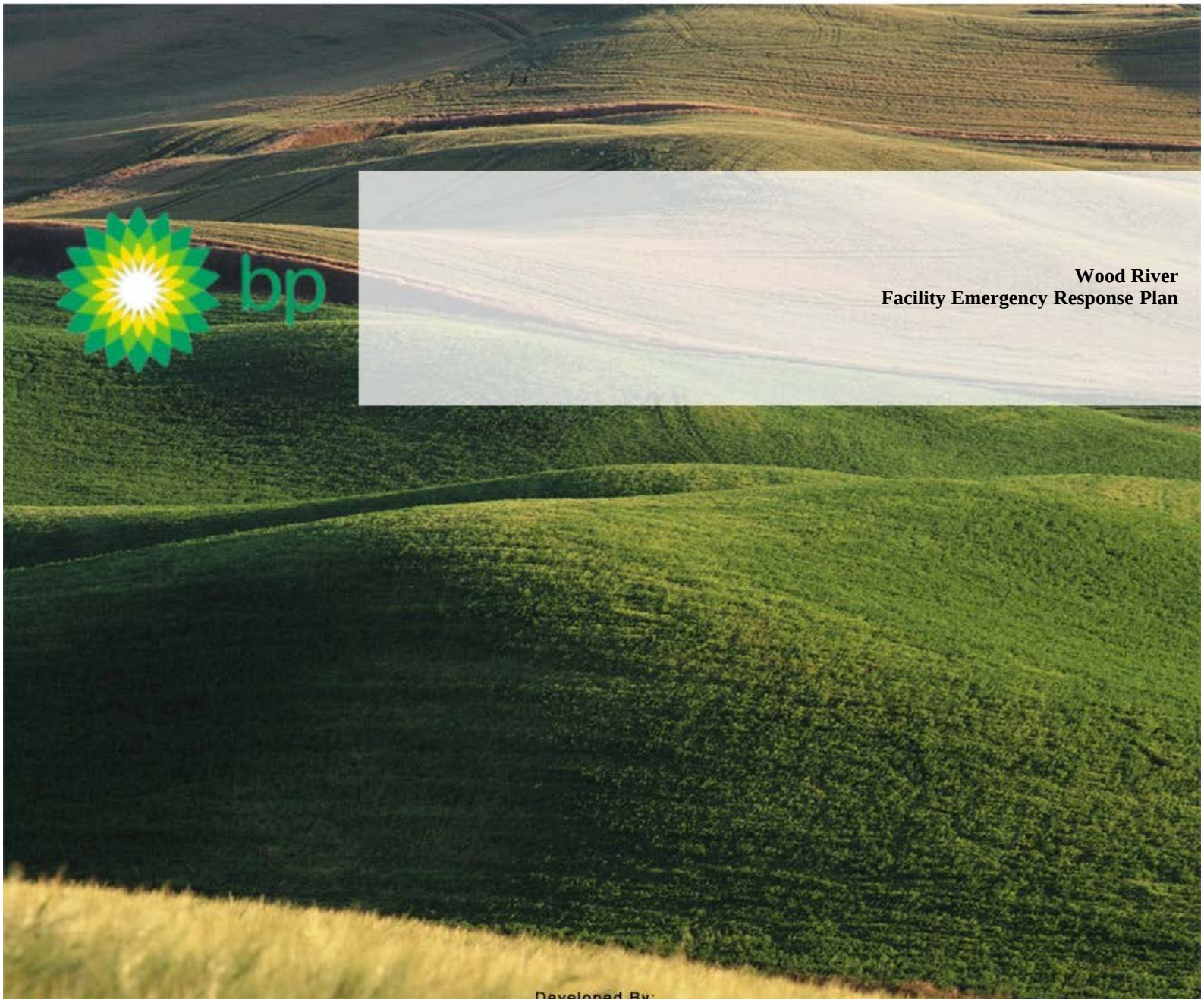
U.S. Department
of Transportation
**Pipeline and Hazardous
Materials Safety Administration**

1200 New Jersey Avenue, S.E.
Washington, D.C. 20590

The following Oil Spill Response Plan has been submitted to the Department of Transportation (DOT) Pipeline Hazardous Materials Safety Administration (PHMSA) in HyperText Markup Language (HTML) format, and has since been converted to Portable Document Format (PDF) form. Any hyperlink included in the PDF file is NOT functional, and materials referenced in the links have been attached as an addendum at the end of the document.


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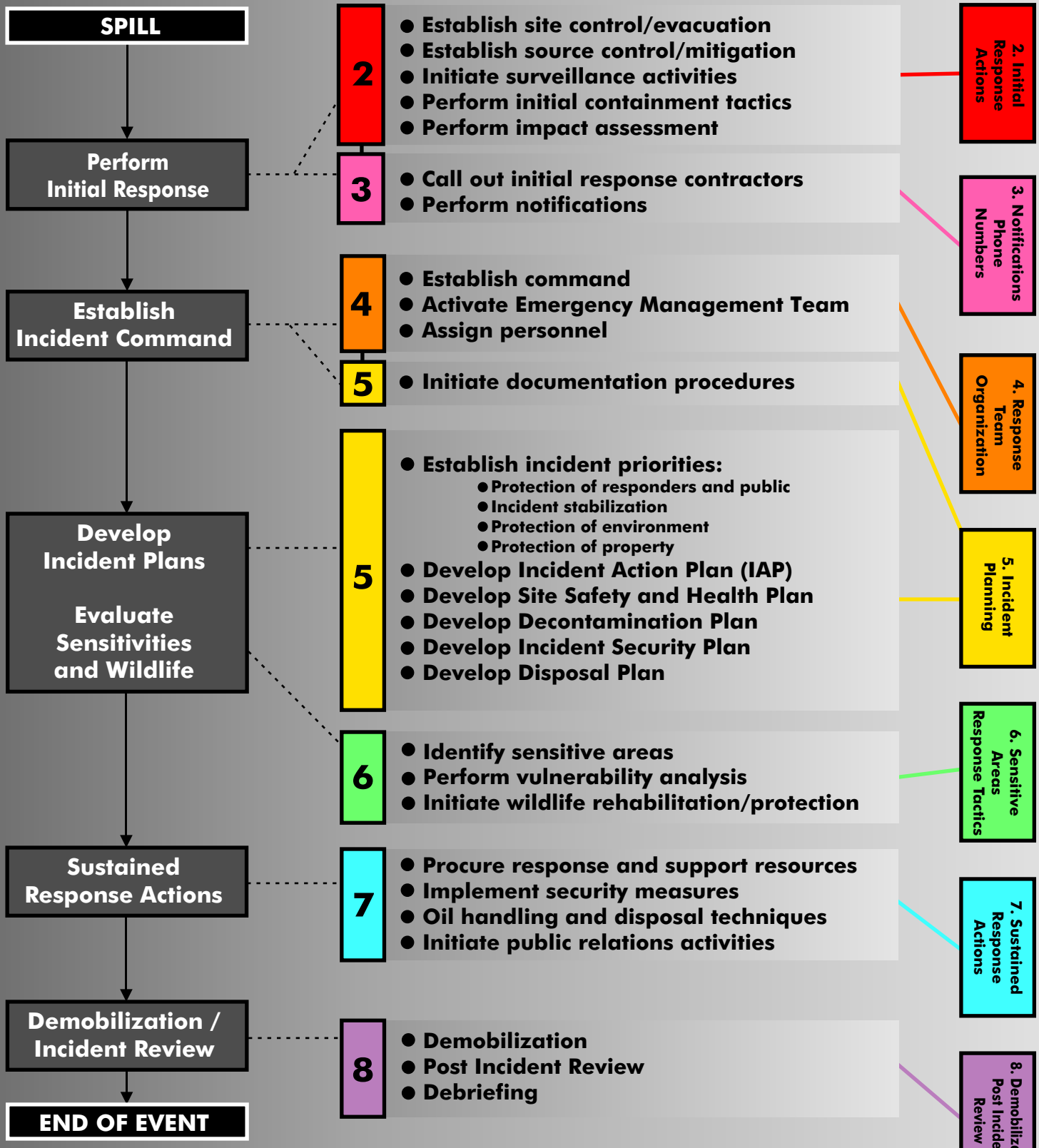
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Response Procedures Flow Chart



1. Introduction
2. Initial Response Actions
3. Notifications Phone Numbers
4. Response Team Organization
5. Incident Planning
6. Sensitive Areas Response Tactics
7. Sustained Response Actions
8. Demobilization Post Incident Review

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RECORD OF REVIEWS

The Record of Reviews is to document annual review of this Facility Response Plan; National Oil and Hazardous Substances Pollution Contingency Plan and applicable Area Contingency Plans.

DATE	NAME AND TITLE OF REVIEWER	SIGNATURE OR INITIALS OF REVIEWER	FRP REVISION REQUIRED (Yes / No)

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9/9/2010	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
9/9/2010	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
9/9/2010	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Emergency Response Contractors	
9/9/2010	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | USCG Classified OSRO?s / Non-Classified OSRO?s	

9/9/2010	8 - EPA PHMSA FRP | 7 - Sustained Response Actions | 7.1 Response Resources | Figure 7.1-1 - Regional Company and Response Contractor's Equipment List / Response Time	
9/9/2010	8 - EPA PHMSA FRP | B - Contractor Response Equipment | B.1 Cooperatives and Contractors | B.1.1 OSRO Classification	
9/9/2010	8 - EPA PHMSA FRP | B - Contractor Response Equipment | B.1 Cooperatives and Contractors | Figure B.1-1 - Evidence of Contracts	
9/9/2010	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Emergency Response Contractors	
9/9/2010	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | USCG Classified OSRO?s / Non-Classified OSRO?s	
9/9/2010	8 - EPA PHMSA FRP | 7 - Sustained Response Actions | 7.1 Response Resources | Figure 7.1-1 - Regional Company and Response Contractor's Equipment List / Response Time	
9/9/2010	8 - EPA PHMSA FRP | B - Contractor Response Equipment | B.1 Cooperatives and Contractors | B.1.1 OSRO Classification	
9/9/2010	8 - EPA PHMSA FRP | B - Contractor Response Equipment | B.1 Cooperatives and Contractors | Figure B.1-1 - Evidence of Contracts	

RECORD OF CHANGES**, CONTINUED**

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DATE OF CHANGE	DESCRIPTION OF CHANGE	PAGE NUMBER
9/9/2010	8 - EPA PHMSA FRP | 1 - Introduction | 1.4 Agency Submittal / Approval Letters	
9/14/2010	8 - EPA PHMSA FRP | 1 - Introduction | 1.4 Agency Submittal / Approval Letters	
10/14/2010	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Facility Response Team	
10/14/2010	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures |	

	Figure 3.1-3 - Internal Notifications and Telephone Numbers | Facility Response Team	
10/27/2010	8 - EPA PHMSA FRP | 1 - Introduction | 1.4 Agency Submittal / Approval Letters	
12/22/2010	8 - EPA PHMSA FRP | 2 - Initial Response Actions | 2.7 Fire Pre Plans	
2/1/2011	8 - EPA PHMSA FRP | 1 - Introduction | 1.4 Agency Submittal / Approval Letters	
2/10/2011	Updated Figure Figure 7.1-1 - Regional Company and Response Contractor's Equipment List / Response Time to address USCG aerial tracking and dispersants	
2/10/2011	Updated Section 2.1.2 Spill Surveillance Guidelines to address USCG aerial surveillance guidelines	
2/10/2011	Updated Section 6.4.1 Dispersants to address USCG Pre-authorized zone	
2/10/2011	Updated Figure Figure B.1-1 - Evidence of Contracts to include MSRC Aerial Oil Tracking Resources letter	
3/23/2011	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
3/23/2011	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	

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DATE OF CHANGE	DESCRIPTION OF CHANGE	PAGE NUMBER
3/23/2011	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
3/23/2011	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
3/23/2011	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
3/24/2011	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
3/31/2011	8 - EPA PHMSA FRP | 1 - Introduction | Figure 1-2 - Information Summary | Information Summary	
	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk	

6/10/2011	Analysis | D.5 Discharge Scenarios | D.5.1 Worst Case Discharge Scenarios	
6/10/2011	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.5 Discharge Scenarios | D.5.1 Worst Case Discharge Response Resource	
6/10/2011	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.4 Planning Distance Calculations | Figure D.4-1 - Planning Distance Calculations	
6/10/2011	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.5 Discharge Scenarios | D.5.1 Small Discharge Response Resource	
6/10/2011	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.5 Discharge Scenarios | D.5.1 Medium Discharge Scenarios	
6/10/2011	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.5 Discharge Scenarios | D.5.1 Medium Discharge Response Resource	
6/15/2011	8 - EPA PHMSA FRP | 1 - Introduction | 1.4 Agency Submittal / Approval Letters	
9/7/2011	8 - EPA PHMSA FRP | 2 - Initial Response Actions | 2.7 Fire Pre Plans	

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DATE OF CHANGE	DESCRIPTION OF CHANGE	PAGE NUMBER
10/16/2011	8 - EPA PHMSA FRP | 1 - Introduction | Figure 1-2 - Information Summary | Information Summary	
11/11/2011	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
11/11/2011	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
12/28/2011	8 - EPA PHMSA FRP | 2 - Initial Response Actions | 2.7 Fire Pre Plans	
12/28/2011	8 - EPA PHMSA FRP | 2 - Initial Response Actions | 2.7 Fire Pre Plans	
12/28/2011	8 - EPA PHMSA FRP | 2 - Initial Response Actions | 2.7 Fire Pre Plans	

12/28/2011	8 - EPA PHMSA FRP | 2 - Initial Response Actions | 2.7 Fire Pre Plans	
12/28/2011	8 - EPA PHMSA FRP | 2 - Initial Response Actions | 2.7 Fire Pre Plans	
12/29/2011	8 - EPA PHMSA FRP | 2 - Initial Response Actions | 2.7 Fire Pre Plans	
3/2/2012	8 - EPA PHMSA FRP | B - Contractor Response Equipment | B.1 Cooperatives and Contractors | Figure B.1-1 - Evidence of Contracts	
3/23/2012	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
4/13/2012	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
4/13/2012	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	

RECORD OF CHANGES**, CONTINUED**

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DATE OF CHANGE	DESCRIPTION OF CHANGE	PAGE NUMBER
4/13/2012	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers	

5/18/2012	| 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	

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DATE OF CHANGE	DESCRIPTION OF CHANGE	PAGE NUMBER
5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	

5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
5/18/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
6/13/2012	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
7/3/2012	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
7/3/2012	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
7/3/2012	8 - EPA PHMSA FRP | 1 - Introduction | 1.4 Agency Submittal / Approval Letters	
7/5/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Facility Tactical Response Team	
7/12/2012	8 - EPA PHMSA FRP | C - Tank Tables, Company Forms, Plot Plans | Figure C-1 - Tank Tables	
7/12/2012	8 - EPA PHMSA FRP | 1 - Introduction | Figure 1-2 - Information Summary | Information Summary	
7/12/2012	8 - EPA PHMSA FRP | 2 - Initial Response Actions | 2.7 Fire Pre Plans	

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DATE OF CHANGE	DESCRIPTION OF CHANGE	PAGE NUMBER

7/12/2012	8 - EPA PHMSA FRP | 2 - Initial Response Actions | 2.7 Fire Pre Plans	
7/12/2012	8 - EPA PHMSA FRP | 2 - Initial Response Actions | 2.7 Fire Pre Plans	
7/12/2012	8 - EPA PHMSA FRP | 2 - Initial Response Actions | 2.7 Fire Pre Plans	
7/30/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Facility Tactical Response Team	
7/30/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Facility Tactical Response Team	
8/22/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Emergency Response Personnel and Business Unit Notifications	
8/22/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Emergency Response Personnel and Business Unit Notifications	
8/22/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Emergency Response Personnel and Business Unit Notifications	
8/22/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Emergency Response Contractors	
8/22/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | USCG Classified OSRO?s / Non-Classified OSRO?s	
8/22/2012	8 - EPA PHMSA FRP | 7 - Sustained Response Actions | 7.1 Response Resources | Figure 7.1-1 - Regional Company and Response Contractor's Equipment List / Response Time	
8/22/2012	8 - EPA PHMSA FRP | B - Contractor Response Equipment | B.1 Cooperatives and Contractors | B.1.1 OSRO Classification	
8/22/2012	8 - EPA PHMSA FRP | B - Contractor Response Equipment | B.1 Cooperatives and Contractors | Figure B.1-1 - Evidence of Contracts	

RECORD OF CHANGES**, CONTINUED**

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DATE OF CHANGE	DESCRIPTION OF CHANGE	PAGE NUMBER
8/28/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Facility Tactical Response Team	
8/28/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Emergency Response Personnel and Business Unit Notifications	
9/5/2012	8 - EPA PHMSA FRP | H - Site-Specific Forms | Site-Specific Forms	
9/12/2012	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
9/27/2012	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
9/27/2012	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
10/24/2012	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Emergency Response Personnel and Business Unit Notifications	
3/8/2013	8 - EPA PHMSA FRP | 1 - Introduction | 1.4 Agency Submittal / Approval Letters	
3/21/2013	8 - EPA PHMSA FRP | H - Site-Specific Forms | Site-Specific Forms	
3/21/2013	8 - EPA PHMSA FRP | H - Site-Specific Forms | Site-Specific Forms	
3/22/2013	8 - EPA PHMSA FRP | H - Site-Specific Forms | Site-Specific Forms	
3/22/2013	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
4/26/2013	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	

RECORD OF CHANGES**, CONTINUED**

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DATE OF CHANGE	DESCRIPTION OF CHANGE	PAGE NUMBER
5/10/2013	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
7/11/2013	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Facility Tactical Response Team	
7/11/2013	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Emergency Response Contractors	
7/11/2013	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | USCG Classified OSRO?s / Non-Classified OSRO?s	
7/11/2013	8 - EPA PHMSA FRP | 7 - Sustained Response Actions | 7.1 Response Resources | Figure 7.1-1 - Regional Company and Response Contractor's Equipment List / Response Time	
7/11/2013	8 - EPA PHMSA FRP | B - Contractor Response Equipment | B.1 Cooperatives and Contractors | B.1.1 OSRO Classification	
7/11/2013	8 - EPA PHMSA FRP | B - Contractor Response Equipment | B.1 Cooperatives and Contractors | Figure B.1-1 - Evidence of Contracts	
7/11/2013	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-4 - External Notifications and Telephone Numbers | External Notifications	
7/12/2013	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-5 - Reporting Requirements	
7/12/2013	8 - EPA PHMSA FRP | 7 - Sustained Response Actions | 7.1 Response Resources | 7.1.1 Response Equipment	
7/12/2013	8 - EPA PHMSA FRP | 7 - Sustained Response Actions | 7.1 Response Resources | 7.1.2 Response Equipment Inspection and Maintenance	
7/12/2013	8 - EPA PHMSA FRP | 7 - Sustained Response Actions | 7.1 Response Resources | 7.1.6 Communications Plan	
	8 - EPA PHMSA FRP | 2 - Initial Response Actions | 2.6	

7/12/2013	Evacuation | 2.6.2 Evacuation Factors	

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DATE OF CHANGE	DESCRIPTION OF CHANGE	PAGE NUMBER
7/12/2013	8 - EPA PHMSA FRP | 1 - Introduction | Figure 1-2 - Information Summary | Information Summary	
7/12/2013	8 - EPA PHMSA FRP | 6 - Sensitive Areas / Response Tactics | 6.7 Vulnerability Analysis Text | Water Intakes	
7/12/2013	8 - EPA PHMSA FRP | 6 - Sensitive Areas / Response Tactics | 6.7 Vulnerability Analysis Text | Schools	
7/12/2013	8 - EPA PHMSA FRP | 6 - Sensitive Areas / Response Tactics | 6.7 Vulnerability Analysis Text | Medical Facilities	
7/12/2013	8 - EPA PHMSA FRP | 6 - Sensitive Areas / Response Tactics | 6.7 Vulnerability Analysis Text | Residential Areas	
7/12/2013	8 - EPA PHMSA FRP | 6 - Sensitive Areas / Response Tactics | 6.7 Vulnerability Analysis Text | Businesses	
7/12/2013	8 - EPA PHMSA FRP | 6 - Sensitive Areas / Response Tactics | 6.7 Vulnerability Analysis Text | Wetlands or Other Sensitive Environments	
7/12/2013	8 - EPA PHMSA FRP | 6 - Sensitive Areas / Response Tactics | 6.7 Vulnerability Analysis Text | Fish and Wildlife	
7/12/2013	8 - EPA PHMSA FRP | 6 - Sensitive Areas / Response Tactics | 6.7 Vulnerability Analysis Text | Lakes and Streams	
7/12/2013	8 - EPA PHMSA FRP | 6 - Sensitive Areas / Response Tactics | 6.7 Vulnerability Analysis Text | Endangered Flora and Fauna	
7/12/2013	8 - EPA PHMSA FRP | 6 - Sensitive Areas / Response Tactics | 6.7 Vulnerability Analysis Text | Recreational Areas	
7/12/2013	8 - EPA PHMSA FRP | 6 - Sensitive Areas / Response Tactics | 6.7 Vulnerability Analysis Text | Transportation Routes (Air, Water, Land)	
7/12/2013	8 - EPA PHMSA FRP | 6 - Sensitive Areas / Response Tactics | 6.7 Vulnerability Analysis Text | Utilities	

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DATE OF CHANGE	DESCRIPTION OF CHANGE	PAGE NUMBER
7/12/2013	8 - EPA PHMSA FRP | 6 - Sensitive Areas / Response Tactics | 6.7 Vulnerability Analysis Text | Other Applicable Areas	
7/12/2013	8 - EPA PHMSA FRP | 6 - Sensitive Areas / Response Tactics | 6.7 Vulnerability Analysis	
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.2 Vulnerability Analysis | D.2 Vulnerability Analysis	
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.2 Vulnerability Analysis | D.2.1 Analysis of the Potential for a Spill	
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.5 Discharge Scenarios | D.5.1 Tier Response Times	
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.5 Discharge Scenarios | D.5.1 Small and Medium Discharge Scenarios	
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.5 Discharge Scenarios | D.5.1 Small Discharge Scenarios	
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.5 Discharge Scenarios | D.5.1 Small Discharge Response Resource	
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.5 Discharge Scenarios | D.5.1 Medium Discharge Scenarios	
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.5 Discharge Scenarios | D.5.1 Medium Discharge Response Resource	
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.5 Discharge Scenarios | D.5.1 Worst Case Discharge Scenarios	
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.5 Discharge Scenarios | D.5.1 Worst Case Discharge Response Resource	
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.5 Discharge Scenarios | D.5.3 Description of Factors Affecting Response Efforts	

RECORD OF CHANGES**, CONTINUED**

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DATE OF CHANGE	DESCRIPTION OF CHANGE	PAGE NUMBER
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.9 Product Characteristics and Hazards | Figure D.9-1 - Summary of Commodity Characteristics	
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.3 Spill Detection / Prevention Inspection | D.3.1 Spill Detection	
7/12/2013	8 - EPA PHMSA FRP | 1 - Introduction | 1.1 Purpose / Scope of Plan	
7/12/2013	8 - EPA PHMSA FRP | C - Tank Tables, Company Forms, Plot Plans | Figure C-1 - Tank Tables	
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.4 Planning Distance Calculations | Figure D.4-1 - Planning Distance Calculations	
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.7 Spill Volume Calculations | D.7.1 EPA Portion of the Facility	
7/12/2013	8 - EPA PHMSA FRP | D - Hazard Evaluation and Risk Analysis | D.7 Spill Volume Calculations | D.7 EPA Planning Volume Data	
7/12/2013	8 - EPA PHMSA FRP | 7 - Sustained Response Actions | 7.2 Site Security Measures | Figure 7.2-2 - Facility Security	
8/5/2013	8 - EPA PHMSA FRP | C - Tank Tables, Company Forms, Plot Plans | Figure C-1 - Tank Tables	
10/2/2013	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Facility Tactical Response Team	
10/2/2013	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Facility Tactical Response Team	
10/2/2013	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers |	

	Facility Tactical Response Team	
10/2/2013	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Facility Tactical Response Team	

RECORD OF CHANGES**, CONTINUED**

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DATE OF CHANGE	DESCRIPTION OF CHANGE	PAGE NUMBER
12/10/2013	8 - EPA PHMSA FRP | 3 - Notifications / Telephone Numbers | 3.1 Emergency Information and Notification Procedures | Figure 3.1-3 - Internal Notifications and Telephone Numbers | Facility Tactical Response Team	
12/10/2013	8 - EPA PHMSA FRP | G - Additional Information | Additional Information	
12/11/2013	8 - EPA PHMSA FRP | 1 - Introduction | 1.4 Agency Submittal / Approval Letters	

SECTION 1 Last Revised: December 2013

INTRODUCTION

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1.2 Plan Review and Update Procedure

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1.4 Agency Submittal / Approval Letters

FIGURE 1-1 - DISTRIBUTION LIST

PLAN HOLDER	ADDRESS	NUMBER OF PAPER COPIES	NUMBER OF ELECTRONIC COPIES
BP Products North America, Inc., Wood River Terminal Attn.: Vernon St. Peters, Terminal Manager	1000 BP Lane Hartford, IL 62048	1	0
U.S. EPA (Region V), Attn.:Alexander C. Tzallas, FRP Coordinator (SE-5J)	77 W. Jackson Blvd. Chicago , IL 60604	1	0
BP Products North America, Inc., Attn.: Paula Skryja , U.S. Logistics, HSSE	8230 Whitcomb St Merrilleville , IN 46410	0	1
Jeff Piatt, U.S. Pipelines and Logistics, Environmental Coordinator, BP Products North America, Inc.	1771 Saddlewood O?Fallon, IL 62269	0	1
U.S. DOT Office of Pipeline Safety, Attn.: Response Plan Officer	1200 New Jersey Avenue, SE - Room E22-210 Washington, D.C. 20590	0	2

FIGURE 1-2 - WOOD RIVER INFORMATION SUMMARY

Owner:	**Operator:**
BP Products North America, Inc., U.S. Logistics 150 W. Warrenville Rd Naperville , IL 60563 (630) 420-5519 (Fax) (630) 536-2161 (Phone)	BP Products North America, Inc., U.S. Logistics 150 W. Warrenville Rd Naperville , IL 60563 (630) 420-5519 (Fax) (630) 536-2161 (Phone)

Facility Name:	Wood River
Facility Address:	1000 BP Lane Hartford, IL 62048
(b) (7)(F) [redacted]	
Facility Telephone/Fax:	(618) 254-7630 (618) 254-0695 / (618) 254-0925
EPA FRP #:	FRP0500156
PHMSA FRP #:	BPIL

FIGURE 1-2 - WOOD RIVER INFORMATION SUMMARY, CONTINUED

Description of Facility:

The Wood River Terminal (hereinafter referred to as ?the Terminal? or ?the Facility?) is owned and operated by BP Products North America, Inc. , and operated by BP U.S. Pipelines and Logistics. This is a complex facility and subject to USEPA and US Department of Transportation (USDOT) Pipeline and Hazardous Materials Safety Administration (PHMSA) regulatory requirements.

The Facility's SIC code is 5171 and NAICS code is 424710.

The Terminal is located in an industrial area in Hartford and Wood River, Illinois, with residential and commercial properties in the vicinity. The Terminal is on an approximately 600-acre site bordered by East Rand Avenue to the south with a refinery across the road; Marathon Pipeline facility and former BP refinery to the north; and railroad tracks (Norfolk Southern, Union Pacific, and Kansas City Southern) to the west with the Wood River Wastewater Treatment Plant and Lewis and Clark Boulevard across the tracks; and South Old Edwardsville Road to the east with residential properties across the road. Residential properties are also located to the southwest and northeast.

The Terminal is utilized to transfer, store and distribute bulk gasoline/gasoline components, distillates, denatured ethanol, and various additives. The Terminal includes the office, maintenance building, shop building, tank farm with 53 above ground storage tanks, truck loading rack with six (6) bays, denatured ethanol unloading rack with two (2) bays, pumps, and product lines. The Fire Water/Spray Pond Building at the northwestern corner of the site is not part of the Terminal.

(b) (7)(F)

[redacted]

The nearest navigable waterway to this Facility is the Mississippi River, which is located approximately one half to one mile to the west. The embankment for the railroad tracks is located between the Terminal and the river, and there do not appear to be culverts to allow runoff to flow under the embankment to the river. In addition, there are levees along the bank of the Mississippi River and drainage through the levees is controlled to prevent back flow during periods of high water.

Soils in the region generally consist of flood plain (Beaucoup silty clay loam and clayey fluvaquents) and underlain by competent sandstone and limestone of the Lower Pope Group (Aux Vases Sandstone through Glen Dean Limestone). The St. Louis region is considered to have a moderate seismic hazard and the soils underlying the Terminal are considered to be moderately liquefiable.

(b) (7)(F)

Dates and Types of Substantial Expansions:
(See APPENDIX C, FIGURE C-1 for additional information on tanks)
1908 to 1996 ? Initial construction and operations of Terminal, including Terminal Office, 23 tanks, piping, barge dock, and rail load out.
1996 - The Facility sold their barge loading/unloading facilities and disconnected pipelines to the barge dock.
1996 ? Discontinue operations at the rail loading rack and disconnect pipelines to rail loading rack.
2003 ? Started construction on a new consolidated facility in the Southern portion of the property.
2004 ? Installed additive Tanks A-1 thru A-5 and Tank A-9.
2004 ? Install truck loading rack; started operations December 2004.
2004 ? Discontinued operations at Korea Tank Farm; tanks cleaned and pipelines disconnected.
2006 ? Moved and renamed Tank F1 to Tank G298 (b) (7)(F) and F2 to Tank D297 (b) (7)(F).
2006 ? Installed additive tanks A-12, A-13, and A-14.

FIGURE 1-2 - WOOD RIVER INFORMATION SUMMARY, CONTINUED

Qualified Individuals: (Refer to APPENDIX A, FIGURE A.2-3 for QI Training Records)	**Facility**		
	Name and Contact Information	**Work Address**	(b) (6)
	Tom Antenucci Area Manager Midwest Terminals and Pipelines Alternate Incident Commander, Command Staff Support Primary Qualified Individual (513)482-3215 (Office) (317)694-5948 (Mobile)	930 Tennessee Ave. Cincinnatti, Ohio 45229	,
	Vernon St. Peters Terminal Manager Incident Commander, Qualified Individual Alternate Qualified Individual (618) 254-7781 (Office) (b) (6) (618) 779-2285 (Mobile)	1000 BP Lane Hartford, IL 62048	(b) (6)

	Business Unit		
	Name and Contact Information	**Work Address**	(b) (6)

FIGURE 1-2 - WOOD RIVER INFORMATION SUMMARY, CONTINUED

Description of Zone:
Products are supplied to the bulk storage tanks at the Facility via USDOT/PHMSA regulated pipelines, which are owned and operated by others (Marathon Pipeline LLC, Philips 66 Pipeline Company, Explorer Pipeline Company, and BP Products NA). (b) (7)(F) Products are also transported from the Facility via pipelines operated by BP Products NA and others. No tanks are solely transportation-related tanks (i.e., regulated by PHMSA and not the USEPA). Tank 282 receives ethanol via tank truck only. (b) (7)(F) The BP Products Tulsa Control Center in Tulsa, Oklahoma controls pipeline deliveries from the Terminal via BP Products pipelines. The Oil Movements Technicians monitor pipeline pressures and tank levels. The maximum flow rate through the pipelines is approximately 3,800 barrels per hours, with transfers generally conducted at flow rates of 2,200 to 2,400
(b) (7)(F)
The pipeline carries refined oil (including Denatured Ethanol, Diesel Fuel / Distillate, Gasoline, Motor Oil, Transmix) in the areas shown in **FIGURE 1-3** and **FIGURE 1-4**

FIGURE 1-2 - WOOD RIVER INFORMATION SUMMARY, CONTINUED

Line Sections/ Products Handled: (Refer to Product Characteristic and Hazards, FIGURE	SECTION	PRODUCTS
	Not Applicable	

D.9-1)	
Facility Data: (See APPENDIX C for date and type of substantial expansion)	<table><tr><th>Location (Address and County)</th><th>Hours of Operations/ Manning</th><th>Throughput</th><th>Date of Startup</th><th>Wellhead Protection Area</th></tr><tr><td>1000 BP Lane Hartford, Madison County, IL 62048</td><td>24/7/365</td><td>1.4 million gallons/day</td><td>1908</td><td>Yes</td></tr></table>
Response Zone Consists of the Following Counties:	Madison
Alignment Maps (Piping, Plan Profiles):	Maintained at: N/A - Plan address Terminal, only.
(b) (7)(F) [redacted]	
Statement of Significant and Substantial Harm:	The response zones in this system all contain pipelines greater than 6 5/8 inches and are longer than ten miles. At least one section of pipeline in each response zone crosses a major waterway or comes within five miles of a public drinking water intake. Therefore, in accordance with 49 CFR 194.103(c), each entire response zone described in this Plan will be treated as if expected to cause significant and substantial harm.
Spill Detection and Mitigation Procedures:	Refer to **SECTION 2.1.1**, **APPENDIX D.2.1** and **APPENDIX D.3**.
Date Prepared / Last Update:	March 2013

The information contained in this Plan is intended to be used as guidelines for the spill responder. Actual circumstances will vary and will dictate the procedures to be followed, some of which may not be included in this manual.

NOTE: For further information on the Qualified Individuals' training and qualifications, refer to **SECTION 4.5** and **APPENDIX A.2** in this Plan.

FIGURE 1-2 - WOOD RIVER INFORMATION SUMMARY, CONTINUED

Current Operations
***Facility Data:(See APPENDIX C for date and type of substantial expansion)**
The Terminal serves as a petroleum distribution center for peripheral retail gasoline service stations, commercial and industrial sales customers, and jobber bulk plants. Current staff consists of Technicians and office personnel. Office personnel include the Terminal Manager (QI), terminal technicians and administrative assistants. Daily operations at the Facility include venting, routine maintenance, and inspections, and transfer of product from tank to tank within the Facility. Procedures have been established for these operations and Terminal personnel are trained in these procedures. Terminal inventory is checked daily through the gauging of tanks and maintaining records of receipts and sales.

Routine maintenance is ongoing and may include repair/replacement of valves, pumps and transfer piping. Visual inspections of the entire Facility are conducted each shift by the Facility personnel, in addition to documented monthly and annual inspections and periodic tank and pipeline integrity testing. Routine operations are as follow:

Venting
Venting is generally through the roof of the tank and poses very low probability of discharge. Tanks used to store gasoline have floating roofs to minimize vapors, and the subsequent need for venting.

Piping Repair and Replacement
This is not a common activity at the Facility, but when it occurs, the line is isolated and drained. The risk of discharge occurs when a line is opened for maintenance activities. The amount of product that could be spilled would be limited to the amount in the pipe at the time it is opened. Common practice is to have a containment pan ready with either a transfer pump or a vacuum truck available to transfer the product to a containment vessel.

(b) (7)(F) [redacted]

Tank Transfer
The transfer of one tank's contents to another is typically performed through fixed piping and fixed connections, thus the risk of spillage is very low and quite rare. Tank-to-tank transfers are typically performed by an operator who manually determines the required transfer amount (as a corresponding height increase in the receiving tank). As the transfer approaches completion, the operator remains at the receiving tank to measure the fill height and control the tank?s inlet valve.

The risk of spillage increases when a tank is being removed from service and the tank is emptied. The final removal of product is through temporary transfer hoses and pumps. Due to the number of connections involved the risk of discharge increases dramatically. This is not a normal practice, and when it is necessary personnel remain with the transfer and are prepared to perform a quick shutdown, if necessary.

Current staff consists of operators and office personnel. Office personnel include the Terminal Manager (QI), supervisors, terminal operators, and clerks. At least twice daily, the Terminal is inspected for spills and leaks. The facility performs a daily cut-off to balance loading meters and perform a gain/loss report on the storage tanks. During the day, normal maintenance is performed on operational equipment as needed. Tank gauges are read and calculated to confirm that incoming pipeline receipts can be accepted with no containment problems. Periodic safety meetings are performed including all employees.

FIGURE 1-3 - FACILITY AREA MAP

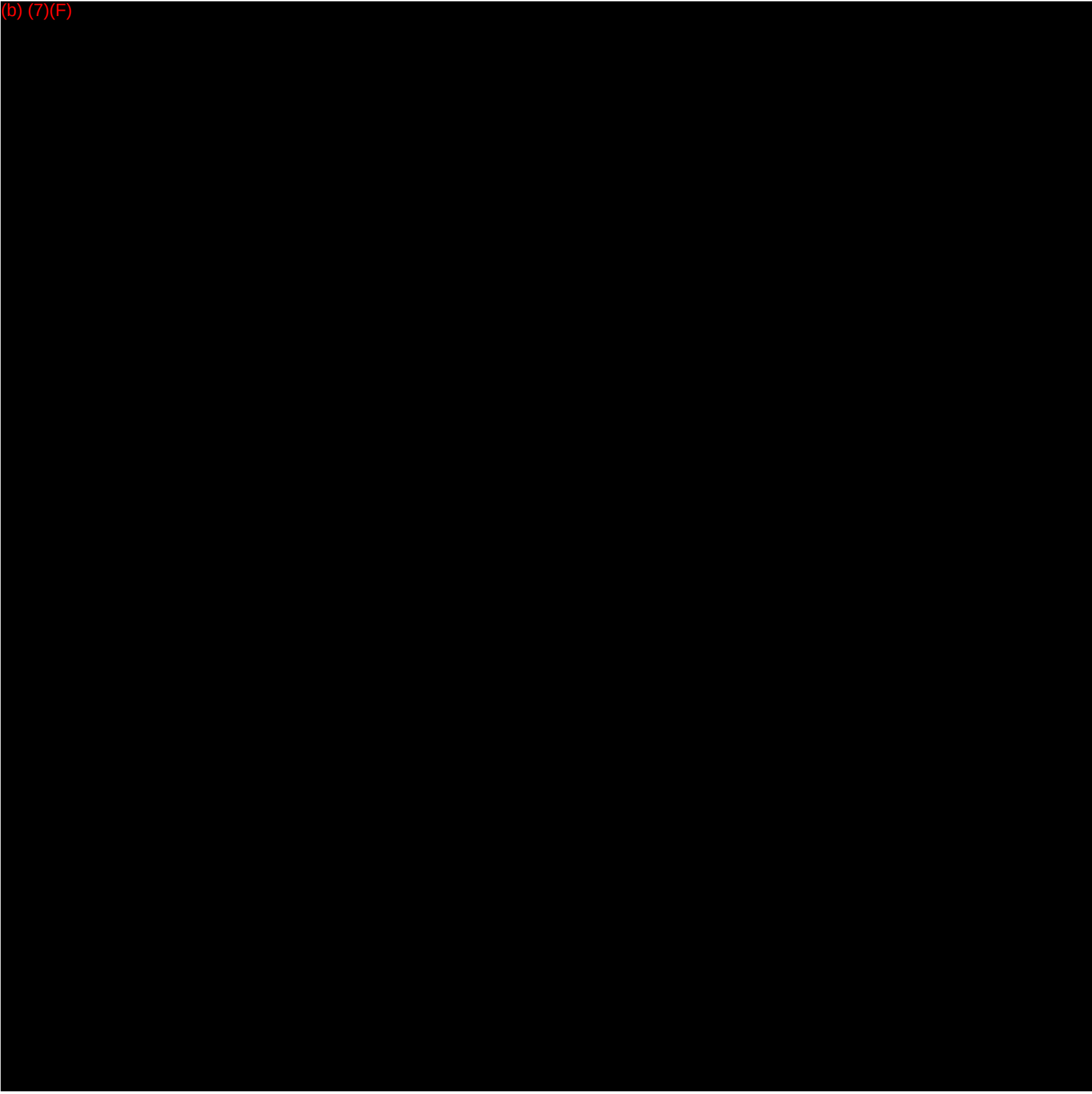


FIGURE 1-4 - FACILITY PHOTOGRAPH

(b) (7)(F)

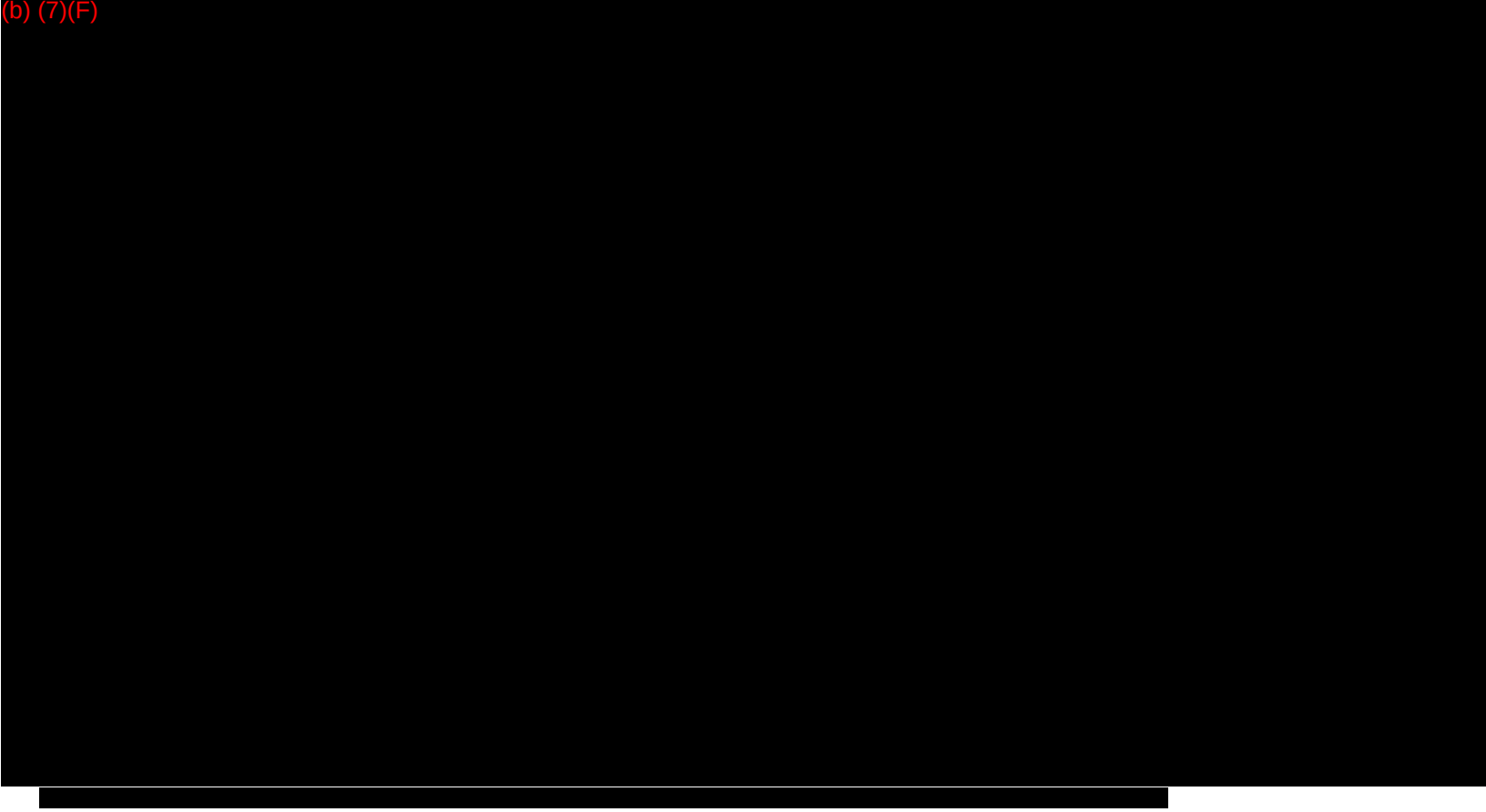


FIGURE 1-5 - FACILITY SITE PLAN

Click here to view - Facility Site Plan 09/08/2010.

FIGURE 1-6 - PIPELINE OVERVIEW

No map has been uploaded.

1.1 PURPOSE / SCOPE OF PLAN

The purpose of this Emergency Response Plan (Plan) is to provide guidelines to quickly, safely, and effectively respond to a spill. The Facility is owned and operated by BP Products North America, Inc., U.S. Logistics, herein referred to as "Company." This Plan contains prioritized procedures for Facility personnel to mitigate or prevent any discharge resulting from in-facility (terminal) operations, including hazardous waste. A copy of the "Hazardous Waste Contingency Plan" can be found in the Additional Information Appendix. Also, guidelines for waste management can be found in **SECTION 7.3**.

For more information on this plan, contact your supervisor, Regional Emergency Response and Crisis Management Coordinator.

This Plan is intended to satisfy the requirements of the Oil Pollution Act of 1990 (OPA 90), and has been prepared in accordance with the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) and applicable Area Contingency Plans (ACP), EPA Region V

Regional Contingency Plan. Specifically, this Plan is intended to satisfy:

- U.S. Environmental Protection Agency (EPA) requirements for an OPA 90 Plan (40 CFR 112.20)
- Pipeline and Hazardous Materials Safety Administration (PHMSA), U.S. Department of Transportation requirements for an OPA 90 Plan (49 CFR 194)
- Occupational Safety and Health Administration (OSHA) requirements for Emergency Response Plan (ERP) (29 CFR 1910.120) (1)(2)) and Emergency Action Plan (EAP) (29 CFR 1910.38 (a)(2)).

Specific references used in preparing this Plan include:

- Upper Mississippi River Basin Association (August 2010) Inland Response Tactics Manual, prepared for U.S. Environmental Protection Agency; U.S. Army Corps of Engineers Mississippi Valley Division (2011) Upper Mississippi River Navigation Charts; U.S. Environmental Protection Agency (October 2012) Inland Sensitivity Atlas ? Illinois Atlas; and Greater St. Louis Sub-Area Committee (April 2012) Greater St. Louis Sub-Area Contingency Plan, Public Access Version, prepared for U.S. Environmental Protection Agency Regions 5 and 7.

1.2 PLAN REVIEW AND UPDATE PROCEDURE

In accordance with 40 CFR 112.20, this Plan will be reviewed annually and modified to address new or different operating conditions or information included in the Plan. Company internal policy states that the Plan will be reviewed at least annually and modified as appropriate. In the event the Company experiences a Worst Case Discharge, the effectiveness of the plan will be evaluated and updated as necessary. If a new or different operating condition or information would substantially affect the implementation of the Plan, the Company will modify the Plan to address such a change and, within 60 days of making such a change, submit the change to EPA.

Upon review of the response plan for each five-year period, revisions will be submitted to PHMSA provided that changes to the current plan are needed, or a letter stating will be submitted to PHMSA stating that the plan is still current.

If new information or different operating conditions would substantially affect implementation of the Plan, the Company will modify the Plan to address such a change and, within 30 days of making such a change, submit the change to PHMSA. EPA must receive the changes within 60 days.

Examples of changes in operating conditions that would cause a significant change to the Plan include:

CONDITIONS REQUIRING REVISIONS AND SUBMISSIONS	**EPA**	PHMSA
Relocation or replacement of the transportation system in a way that substantially affects the information included in the Plan, such as a change to the Worst Case Discharge volume.	x	x
A change in the Facility's configuration that materially alters the information included in the Plan.	x	

A change in the type of oil handled, stored, or transferred that materially alters the required response resources.	x	x
A change in key personnel (Qualified Individuals).	x	x
Material change in capabilities of the Oil Spill Removal Organization(s) (OSROs) that provide equipment and personnel.	x	x
Material change in the Facility's spill prevention and response equipment or emergency response procedures.	x	
Any other changes that materially affect the implementation of the Plan.	x	x
A change in the NCP or ACP that has significant impact on the equipment appropriate for response activities.		x

All requests for changes must be made through the Terminal Manager.

The most current version of the plan is always the paper/hard copy. The date at the beginning of each Section indicates the last date that Section was revised. Any revisions made after that date should be reprinted and inserted into the paper copy of the plan.

1.3 CERTIFICATION OF ADEQUATE RESOURCES

CERTIFICATION
Pursuant to the Clean Water Act Section 311(j)(5)(F)

BP Products North America, Inc., U.S. Logistics

The BP Products North America, Inc., U.S. Logistics, hereby certify to the Pipeline and Hazardous Materials Safety Administration (PHMSA) of the Department of Transportation that they have obtained, through contract or other approved means, the necessary private personnel and equipment to respond, to the maximum extent practicable, to a worst case discharge or a substantial threat of such a discharge.



Vernon St. Peters
Terminal Manager
6/24/2010

1.4 AGENCY SUBMITTAL / APPROVAL LETTERS

Click here to view - EPA Region 5 Submittal 05/28/2009.

Click here to view - PHMSA Submittal 05/28/2009.

Click here to view - Terminal Plan Distribution Letter.

Click here to view - PHMSA Questionnaire 07/01/2009.

Click here to view - PHMSA Approval 07/01/2009.

Click here to view - EPA FRP Review 7/14/2010.

Click here to view - EPA Region 5 - Documentation Response Letter 8/20/2010 .

Click here to view - EPA Region 5 Re-Submittal 9/9/2010.

Click here to view - Terminal Plan Distribution 09/14/2010.

Click here to view - EPA Region 5 Submittal 10/27/2010.

Click here to view - PHMSA Submittal 10/27/2010.

Click here to view - EPA Region 5 Appendix D Update 06/15/2011.

Click here to view - EPA Qualified Individual Update 06/29/2012.

Click here to view - DOT Qualified Individual Update 06/29/2012.

Click here to view - 2012 MSRC Prep exercise.

Click here to view - EPA Region 5 Submittal 08/06/2013.

Click here to view - Terminal Plan Distribution 08/06/2013.

Click here to view - Plan Distribution 08/06/2013.

Click here to view - EPA Region 5 GUIE Exercise 11/13/2013.

SECTION 2 Last revised: July 2013

INITIAL RESPONSE ACTIONS

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Figure 2-1 - Initial Response Action Guidelines

2.1 Spill Response

Figure 2.1-1 - Spill Response Action Checklist

2.1.1 Spill Detection and Mitigation Procedures

Figure 2.1-2 - Spill Mitigation Procedures

2.1.2 Spill Surveillance Guidelines

Figure 2.1-3 - Oil Spill Surveillance Checklist

2.1.3 Spill Volume Estimating

Figure 2.1-4 - Spill Estimation Factors

2.1.4 Estimating Spill Trajectories

2.1.5 Initial Containment Actions

2.1.6 Safety Considerations

2.2 Fire / Explosion / Vapor Release

2.2.1 Fire, Explosion, and Vapor Release Response Actions

2.2.2 BLEVE - Boiling Liquid Expanding Vapor Explosion

2.3 Medical Emergency / Personal Injury

2.3.1 Medical Emergency / Personal Injury Checklist

2.4 Natural Disasters / Severe Weather

2.4.1 Earthquake/Tornado Procedure

SECTION 2

INITIAL RESPONSE ACTIONS, CONTINUED

2.4.2 Flooding Procedure

2.4.3 Hurricane Procedure

(b) (7)(F)

2.6 Evacuation

2.6.1 Evacuation Checklist

2.6.2 Evacuation Factors

2.7 Fire Pre Plans

FIGURE 2-1 - INITIAL RESPONSE ACTION GUIDELINES

RESPONSE ACTION	PERSON TAKING ACTION (INITIALS)	DATE/TIME ACTION TAKEN
First Responder / Tactical Response Team (TRT)		
If in Impacted/source area, leave immediately (life safety first). Activate alarms or otherwise alert asset personnel and workers.		
Pipeline Response in Right of Way (ROW): From safe distance, Identify character, exact source, amount, and extent of the release and other necessary items needed for notifications Control source of Incident, if safe to do so (i.e. trained per USPL HAZWOPER Policy, qualified and properly PPE equipped). Otherwise, leave the area immediately.		
If fixed facility: Evacuate Personnel from facility, if necessary • To safe muster point • Conduct personal accountability (Roll call). Identify and control source of Incident, if safe to do so (i.e. trained per USPL HAZWOPER Policy, qualified and properly PPE equipped). Otherwise, leave the area immediately.		

Initiate Notifications IMMEDIATELY or within 15 minutes of discovering a discharge or release.
 	
• Call 911 (fire, Police, EMT)
• NRC (if potential water impact) **(800-424-8802)**
• OSRO/Response Contractor
  • Better to Over Respond - call all OSROs
  • Refer to **FIGURE 3.1-4**
• Qualified Individual (Team Lead/Terminal Manager)
• BP Notification Center **(800-321-8642)**		

If safe to do so, work with Fire Department/trained responders to: Identify hazards: • Establish hazard control area, if necessary.* The area immediately surrounding a spill, leak, or discharge of hazardous material(s) which extends far enough to		

prevent adverse health and safety effects from the release[1]. Verify evacuation status: • Verify all Personnel have evacuated from the Hazard Control Area to pre-designated assembly areas. If necessary, communicate need to potentially evacuate personnel at adjacent properties/locations. **Note 1:** See USPL Hazardous Waste Operations and Emergency Response (Hazwoper) Policy in DRM. The DOT Emergency Response Guidebook may be used to initially delineate the Hot Zone, or Exclusion Zone. Hot zones cannot be reduced until confirmed by air monitoring.		

FIGURE 2-1 - INITIAL RESPONSE ACTION GUIDELINES, CONTINUED

RESPONSE ACTION	PERSON TAKING ACTION (INITIALS)	DATE/TIME ACTION TAKEN
First Responder / Tactical Response Team (TRT), Continued		
*If safe to do so, shut down potential ignition sources, including motors, electrical pumps, electrical power, boats, vehicles, hot work, etc.		
(b) (7)(F) [redacted]		
[redacted]		
[redacted]		
Incident Commander (Operations Team Leader/Terminal Manager)		
Ensure evacuation accountability (roll call) procedures implemented and confirm all personnel are accounted.		
Ensure notifications have been initiated/complete.		
Activate Tactical Response Team (TRT) and set up response organization (**SECTION 5** ICS-201-3).		
Assess the oil spill and/or Incident Potential . Determine if initial source control or containment has been established.		
Assess possible hazards to human health and the		

environment (including outside the fence line if at a fixed facility). Ensure Site Characterization and Monitoring is initiated near release site.		
If necessary: Initiate spill tracking and surveillance operations by activating surveillance aircraft and/or watercraft. Estimate trajectory of spill utilizing information in **SECTION 2.1.4**. Send photographer/videographer, if safe.		
Establish initial Incident Objectives and Priorities.		
Determine location of Incident Command Post (ICP) facilities and support. Assess operational requirements and resource requirements.		
Ensure ICS 201- Initial Incident Briefing Document is complete and distributed to Unified Command, IMT (if activated) and internal stakeholders (Refer to **SECTION 5**).		
Ensure compliance with all safety practices and procedures. Ensure initial safety briefings with TRT and field responders is conducted		
If no response is warranted, ensure that appropriate regulatory notifications have been made and no further action is taken.		
DOCUMENT the incident • Ensure all responders capture response actions in personal log (ICS 214/notebook) • Collect all incident documentation and file on-site in training files.		

FIGURE 2-1 - INITIAL RESPONSE ACTION GUIDELINES, CONTINUED

RESPONSE ACTION	PERSON TAKING ACTION (INITIALS)	DATE/TIME ACTION TAKEN
Environmental Unit Leader (Environmental Coordinator)		
Notify appropriate agencies (refer to **FIGURE 3.1-4**) • National Response Center **(800-424-8802)** • State Emergency Response Commission (SERC) • Local Emergency Planning Committee (LEPC), if applicable		
Ensure HSSE Manager has been notified of Incident.		
Initiate environmental monitoring and waste disposal coordination per Federal/State/Local requirements.		

Site Safety Officer (Safety Coordinator or asset employee)		
Obtain incident brief from Incident Commander.		
Initiate incident safety hazard analysis.		
Complete incident specific Site Safety Plan (refer to **SECTION 5** ICS 201-5).		
Incident Management Team (as appropriate to manage the incident)		
Implement all aspects of the Incident Command System (ICS) response framework.		
Initial Incident Command Post (ICP) will be designated by TRT. Consider secondary ICP accommodations due to incident size.		
Obtain ICS 201 from TRT. IMT IC will brief arriving IMT members and build response team and Unified Command (UC).		
Establish Communications Network.		
Prepare Strategic Objectives and Response Priorities and communicate to all responders.		
Set up information center. (Situation Unit Leader).		
Obtain updated spill trajectory. (Refer to **SECTION 2.1.4**.)		
Initiate documentation procedures. Document all response actions taken, including notifications, agency/media meetings, equipment and personnel mobilization and deployment, and are impacted.		
Assist in completion of regulatory agency notifications, if needed.		
Identify environmentally sensitive areas at risk and recommended protection based on trajectory. • Utilize Near-shore Response Guides, Technical Spill Consultants, USF&WS, local agency representatives. (Refer to **SECTION 6**.)		
Prepare an initial Incident Action Plan for the UC for the next operational period (NOP).		
Initiate development of Site Incident Specific Response Plans in anticipation of Unified Command request. • Waste management • Demobilization • Traffic (vessel, road, rail)- as necessary • Medical plan • Resource Management • Etc.		
Begin preparations for media relations.		

2.1 SPILL RESPONSE

FIGURE 2.1-1 - SPILL RESPONSE ACTION CHECKLIST

SPECIFIC RESPONSE ACTIONS	COMMENT
Line Break or Leak	
Shut down source/pumping equipment.	
Close upstream and downstream valves.	
Utilize Combustible Gas Indicator, O_2 meter, proper colorimetric indicator and other air sampling measurements (as applicable) to assure that areas are safe to enter for continued response operations.	
Mitigate spreading of the product as the situation demands. Potential containment strategies include: • Deployment of boom (Reference ACP for potential strategies); • Diking, trenching, and/or diversion; • Spreading sorbent material over the spill; and • Prevent the spill from entering water to the greatest extent possible.	
Determine the direction and expected duration of spill movement. Refer to **SECTION 2.1.2**.	
Drain the line section, as the situation demands.	
Request local authorities to establish scene security and traffic control in the area, as the situation demands.	
Make all necessary repairs.	
Return the line/rack to service when repairs are complete.	
Clean up spilled product to eliminate any possible environmental problems. Be alert for underground cables.	
If the spill escapes the containment area, review the location of socio-economic and environmentally sensitive areas identified in **SECTION 6**. Determine which of these may be threatened by the spill and direct the response operation to these locations. Initiate protection and recovery actions.	
Inform local utilities, telephone company, railway, etc., as necessary.	
Complete follow-up and written reporting, as the situation demands.	
Storage Tank Leak	
Shut down all tank product movement operations and isolate the tank.	
Initiate Confined Space Entry procedures, as applicable.	
Insure that the containment area drainage valve(s) is closed.	

If leak is near tank bottom, create and maintain a 'water bottom' to suspend the discharge of product.	
Utilize Combustible Gas Indicator, O_2 meter, proper colorimetric indicator and other air sampling measurements (as applicable) to assure that areas are safe to enter for continued response operations.	
Block drainage of spilled material from traveling off-site.	
Stop all traffic in hazardous area (inside and outside of property boundaries), as the situation demands.	

FIGURE 2.1-1 - SPILL RESPONSE ACTION CHECKLIST, CONTINUED

SPECIFIC RESPONSE ACTIONS	COMMENT
Storage Tank Leak, Continued	
Remove product from containment (at a sump or in a low area) with an explosion proof pump, oil skimmer, and/or vacuum truck w/skimmer attachments.	
If applicable, process remaining product through a separator system.	
Determine the direction and expected duration of spill movement. Refer to **SECTION 2.1.2**.	
Request that local authorities establish scene security and traffic control in the area, as necessary.	
Empty tank as soon as possible.	
Make all necessary repairs. Return the line/tank to service when repairs and integrity testing are completed.	
Clean up product spill to eliminate any possible environmental problems. Be alert for underground cables, conduits, etc.	
If necessary, call an approved waste removal company to handle the remaining sludge and residue from the containment area.	
If the spill escapes the containment area, review the location of socioeconomic and environmentally sensitive areas identified in **SECTION 6** and the ACP. Determine which of these may be threatened by the spill and direct the response operation to these locations. Initiate protection and recovery actions.	
Inform local operators such as utilities, telephone company, railway, as necessary.	
Complete follow-up and written reporting, as the situation demands.	
Leak or Spill at Truck Rack	

Evacuate personnel from the truck rack area, as the situation demands.	
Shut down all loading operations, pumps motors and loading valves.	
Guard against all sources of ignition.	
Secure the area. Stop all traffic from entering rack or hazardous area.	
If a line leak is involved, close off riser valves and/or tank valves.	
Clean area with sorbent material, flush (with water) all remaining product into a separator system.	
Resume truck loading operations as directed by Terminal Management.	
Truck Leaks/Spills Outside Terminal	
Notify local fire and police departments.	
Assist local responders (police) to secure the area.	

FIGURE 2.1-1 - SPILL RESPONSE ACTION CHECKLIST, CONTINUED

SPECIFIC RESPONSE ACTIONS	COMMENT
Truck Leaks/Spills Outside Terminal, Continued	
Notify Terminal Management of the incident with the following information: • Location of spill. • Size of spill. • Product type. • Present situation. • If assistance/equipment is required for cleanup. • If product spills on a highway or other impervious surface, clean area with sorbent materials, vacuum truck, or other cleanup equipment as available or necessary. If product has entered sewer system, advise the local Fire Department.	
Consider the need to evacuate area Facility. If requested, provide product information to local authorities (fire, police departments) as necessary.	
Marine Operation Spills/Leaks	
Shut down all engines/motors.	
Close all line and vessel manifold discharge valves.	
If hose rupture is involved, drain line into vessel, drums, or buckets and blank line to stop spill into water.	

Initiate Confined Space Entry procedures, as applicable.	
Utilize Combustible Gas Indicator, O_2 meter, proper colorimetric indicator and other air sampling measurements (as applicable) to assure that areas are safe to enter for continued response operations.	
If other than hose rupture, determine source of leak and stop discharge.	
Prevent discharge from entering the water if at all possible by: • Pumping from sump or deck drainage system into drums, tanks, containment area, or other storage facility. • Directing the flow into a containment or collection area away from the water, if feasible. • Placing containment boom or sorbent material around area (provided that a safe operating environment exists).	
If product enters the water and a safe operating environment exists, try to contain by: • Deploying spill response equipment (facility and/or contract) to prevent/mitigate spill impact (spreading of spill).	
Attempting to divert/contain the spill: • In quiet area or low current areas of the water. • Away from strong winds or in areas that could be affected by change in wind direction. • Away from areas of hazard to public, property improvements, marinas, water intakes, or any environmentally sensitive areas.	
Make all necessary repairs.	
Return the line/vessel to service when repairs are complete.	
Clean up spilled product to eliminate any possible environmental problems. Be alert for underground cables, etc.	

FIGURE 2.1-1 - SPILL RESPONSE ACTION CHECKLIST, CONTINUED

SPECIFIC RESPONSE ACTIONS	COMMENT
Marine Operation Spills/Leaks, Continued	
If the spill escapes the containment area, review the location of socioeconomic and environmentally sensitive areas identified in **SECTION 6** and the ACP. Determine which of	

these may be threatened by the spill and direct the response operation to these locations. Initiate protection and recovery actions.	
Request local authorities (USCG, Port Authority, etc.) to establish traffic control in the area, as the situation demands.	
Inform local operators such as utilities, telephone company, railway, as necessary.	
Complete follow-up and written reporting, as the situation demands.	

2.1.1 Spill Detection and Mitigation Procedures

APPENDIX D.3 for spill detection protocols.

Each spill mitigation situation is unique and must be treated according to the circumstance present. In every situation, however, personnel safety must be assessed as the first priority. The potential for ignition and/or toxic exposure must be promptly evaluated. Spill mitigation procedures are listed in FIGURE 2.1-2. Worst case discharge volume calculations and discussion are provided in **APPENDIX D.**

FIGURE 2.1-2 - SPILL MITIGATION PROCEDURES

TYPE	MITIGATION PROCEDURE
Failure of Transfer Equipment	1. Personnel safety is the first priority. Evacuate nonessential personnel or personnel at high risk. 2. Terminate transfer operations and close all affected valves. 3. Drain product into containment areas if possible. 4. Eliminate sources of vapor cloud ignition by shutting down all engines and motors.
Tank/Overfill/Failure	1. Personnel safety is the first priority. Evacuate nonessential personnel or personnel at high risk. 2. Shut down or divert source of incoming flow to tank. 3. Transfer fluid to another tank with adequate storage capacity (if possible). 4. Shut down source of vapor cloud ignition by shutting down all engines and motors. 5. Ensure that dike discharge valves are closed. 6. Monitor diked containment area for leaks and potential capacity limitations. 7. Begin transferring spilled product to another tank as soon as possible.
Piping Rupture/Leak (under pressure or not)	1. Personnel safety is the first priority. Evacuate nonessential personnel or personnel at high risk. 2. Shut down pumps. Close the closest valves on each side of the rupture. 3. Drain the line back into contained areas (if possible). Alert

	nearby personnel of potential safety hazards. 4. Shut down source of vapor cloud ignition by shutting down all engines and motors. 5. If piping is leaking and under pressure, then relieve pressure by draining into a containment area or back to a tank (if possible). Then repair line according to established procedures.
Fire/Explosion	1. Personnel safety is the first priority. Evacuate nonessential personnel or personnel at risk of injury. 2. Notify local fire and police departments. 3. Attempt to extinguish fire if it is in incipient (early) stage. 4. Shut down transfer or pumping operation. Attempt to divert or stop flow of product to the hazardous area (if it can be done safely). 5. Eliminate sources of vapor cloud ignition by shutting down all engines and motors. 6. Control fire before taking steps to contain spill.
Manifold Failure	1. Personnel safety is the first priority. Evacuate nonessential personnel or personnel at high risk. 2. Terminate transfer operations immediately. 3. Isolate the damaged area by closing block valves on both sides of the leak/rupture. 4. Shut down source of vapor cloud ignition by shutting down all engines and motors. 5. Drain fluids back into containment areas (if possible).

2.1.2 Spill Surveillance Guidelines

- Surveillance of an oil spill should begin as soon as possible following discovery to enable response personnel to assess spill size, movement, and potential impact locations.
- The Company utilizes USCG classified OSROs to address aerial surveillance. Spill surveillance is best accomplished through the use of helicopters or small planes; helicopters are preferred due to their superior visibility and maneuverability.
- Dispatch observers to crossings downstream or down gradient to determine the spills maximum reach. Surveillance is also required during spill response operations to gauge the effectiveness of response operations; to assist in locating skimmers; and assess the spill's size, movement, and impact.

Field Surveillance Equipment

- Use surface vessels to confirm the presence of any suspected oil slicks (if safe to do so); consider directing the vessels and photographing the vessels from the air, the latter to show their position and size relative to the slick.
    - It is difficult to adequately observe oil on the water surface from a boat, dock, or shoreline.
    - In the event of reduced visibility, such as dense fog or cloud cover, boats may

have to be used to patrol the area and document the location and movements of the spill; however, this method may not be safe if the spill involves a highly flammable product.

- If fixed-wing planes are to be used, high-wing types provide better visibility than low-wing types.

Field Observations

- An Oil Spill Surveillance Checklist is provided in **FIGURE 2.1-3**.
- Clouds, shadows, sediment, floating organic matter, submerged sand banks, or wind-induced patterns on the water may resemble an oil slick if viewed from a distance.
- All observations should be documented in writing and with photographs and/or videotapes.
- Describe the approximate dimensions of the oil slick based on available reference points (i.e. vessel, shoreline features, facilities); use the aircraft or vessel to traverse the length and width of the slick while timing each pass; calculate the approximate size and area of the slick by multiplying speed and time.
- Record aerial observations on detailed maps, such as topographic maps.

FIGURE 2.1-3 - OIL SPILL SURVEILLANCE CHECKLIST

Record your observations of spilled oil either in a notebook or directly on an area chart. This checklist is an aid for organizing your observations. File used forms copies with the local area office to retain for a minimum of five years. Incident observation form originals MUST be maintained with the incident/response files. Retention time will be determined by Incident Legal Officer.

General Information	
Date:	Tidal or river stage (flood, ebb, slack, low water):
Time:	On-scene weather (wind, sea state, visibility):
Incident name:	Platform (helicopter, fixed-wing aircraft, boat):
Observer's name:	Flight path/trackline:
Observer's affiliation:	Altitude where observation taken:
Location of source (if known):	Areas not observed (i.e., foggy locations, restricted air spaces, shallow water areas):
Oil Observations	
Slick location(s):	Color and appearance (i.e., rainbow, dull or silver sheen, black or brown in color or mousse):
Slick dimensions:	Percent coverage:

Orientation of slick(s):	Is oil recoverable (Y/N)?:
Distribution of oil (i.e., windrows, streamers, pancakes or patches):	

Considerations
• During surveillance flights, travel beyond known impacted areas to check for additional oil spill sites • Include the name and phone number of the person making the observations • Clearly describe the locations where oil is observed and the areas where no oil has been seen

Other Observations

Response Operations
Equipment deployment (general locations where equipment is working and whether they are working in the heaviest concentration of oil):
Boom deployment (general locations of boom, whether the boom contains oil, and whether the oil entrains under the boom):

Environmental Observations
Locations of convergence lines, terrain, and sediment plumes:
Locations of debris and other features that could be mistaken for oil:
Wildlife present in area (locations and approximate numbers):

2.1.3 Spill Volume Estimating

Early in a spill response, estimation of spill volume is required in order to:

- Report to agencies,
- Determine liquid recovery requirements,
- Determine personnel and equipment requirements, and
- Estimate disposal and interim storage requirements.

Some rapid methods to estimate spill size are:

- **Transfer operations:** Multiply the pumping rate by the elapsed time that the leak was in progress, plus the drainage volume of the line between the two closest valves or isolation points **(volume loss = pump rate [bbls/min] x elapsed time [min] + line contents [bbl]).**
- **Tank overfills:** Elapsed time multiplied by the pumping rate.
- Visual assessment of the surface area and thickness (**FIGURE 2.1-4**); the method may yield unreliable results because:
    - Interpretation of sheen color varies with different observers,
    - Appearance of a slick varies depending upon amount of available sunlight, sea-state, and viewing angle, and
    - Different products may behave differently, depending upon their properties.

FIGURE 2.1-4 - SPILL ESTIMATION FACTORS

OIL THICKNESS ESTIMATIONS				
Standard Form	**Approx. Film Thickness**		**Approx. Quantity of Oil in Film**	
	inches	**mm**		
Barely Visible	0.0000015	0.00004	25 gals/mile^2	44 liters/km^2
Silvery	0.000003	0.00008	50 gals/mile^2	88 liters/km^2
Slightly colored	0.000006	0.00015	100 gals/mile^2	179 liters/km^2
Brightly colored	0.000012	0.0003	200 gals/mile^2	351 liters/km^2
Dull	0.00004	0.001	666 gals/mile^2	1,167 liters/km^2
Dark	0.00008	0.002	1,332 gals/mile^2	2,237 liters/km^2
Thickness of light oils: 0.0010 inches to 0.00010 inches				
Thickness of heavy oils: 0.10 inches to 0.010 inches				

2.1.4 Estimating Spill Trajectories

In some cases, oil spill trajectories should be estimated in order to predict direction and speed of the slick movement. Trajectory calculations provide an estimate of where oil slicks may impact shorelines and other sensitive areas, and also provide an estimate of the most effective location in which to mobilize spill response resources for protection, containment, and recovery.

Oil spill trajectories can be estimated using vector addition or with computer programs such as CAMEO. Hand calculations typically utilize the following assumptions:

- Oil moves at approximately the same direction and speed as the water currents, unless the winds are strong.

- Wind speed can be multiplied by 0.034 to determine the effect of winds on speed and direction of spill movement.
- The combined effects of winds and currents can be added to estimate spill movement speed and direction.

More sophisticated predictions can be obtained from computer programs. Oil spill trajectory services can be obtained from:

- National Oceanic and Atmospheric Administration (NOAA) through the Federal On-Scene Commander (FOSC), and
- Private consulting firms.

2.1.5 Initial Containment Actions

Initial containment actions will focus on utilizing containment on-site in the most effective manner to:

- Prevent the oil from impacting water, thereby reducing the surface area and the shoreline to be cleaned,
- Concentrate the oil (when safe to do so), making physical recovery more efficient, and
- Limit the environmental impact to the immediate spill area.

Selection of the appropriate location and method will depend upon:

- Length of time spill occurs before being noticed,
- Amount of spill,
- Area of coverage,
- Environmental factors, such as wind speed and direction, and
- Oil's characteristics.

2.1.6 Safety Considerations

- Containment actions should not be conducted during inclement weather or unsafe conditions such as high winds, fast currents, or unstable terrain.
- Eliminate all ignition sources.
- Avoid contact with the spilled product.
- Use respiratory protection (if applicable).
- Ensure that the area remains secure to air traffic.

2.2 FIRE / EXPLOSION / VAPOR RELEASE

2.2.1 Fire, Explosion, and Vapor Release Response Actions

SPECIFIC RESPONSE ACTIONS	COMMENT
FIRE / EXPLOSION	
1. Discontinue all tasks in progress (hot work, truck loading, maintenance, etc.)	
2. Sound local fire alarm, if available.	
3. Attempt to extinguish incipient stage fires, if trained to do so.	
4. Ensure 911 or local ER number was called to activate Fire and EMS support.	
Report the condition to Management and take further defensive actions as instructed.	
5. Report the Situation to QI/Management and ensure other internal/external notifications are in progress, as appropriate.	
6. Evacuate personnel to designated assembly areas and Account for personnel (roll call). Communicate any missing personnel (with potential last location) to the Fire Department.	
7. Emergency shutdown systems and/or manually (from a safe distance) isolate fuel sources and shut down engines and heaters.	
8. Ensure Asset emergency response plans have been activated. Ie: Facility Response Plan Security Plan	
9. Establish a secure perimeter around the area to prevent unauthorized entry per asset security plan (**SECTION 5**).	
10. Liaison with Fire Department to continue tactical measures to contain the fire;	
11. Recognize fire conditions which present BLEVE hazards and protect personnel and the public appropriately. (**SECTION 2.2.3**). Communicate potential bleve hazards to Fire Department.	

12. Contain spilled material and runoff. Dike far ahead of the release, as necessary.	
13. Conduct post-incident activities (**SECTION 8**).	
14. Ensure all incident/response documentation is compiled and filed.	
VAPOR RELEASE	
Report the release to Terminal Manager/Team Lead/QI.	
Sound the facility alarm.	
Do not assume vapors or gases are harmless because of lack of odor - **Harmful vapors or gases may be odorless.**	

2.2.1 Fire, Explosion, and Vapor Release Response Actions, Continued

SPECIFIC RESPONSE ACTIONS	COMMENT
VAPOR RELEASE, CONTINUED	
Evacuate personnel from the immediate area to the designated assembly area or to a location upwind of the release.	
Account for personnel using roll call.	
Engage emergency shutdown systems and/or manually isolate release from a safe distance.	
Isolate all sources of potential ignition.	
Establish a secure perimeter around the area to prevent unauthorized entry using Security Plan.	
Complete internal and external notifications, as appropriate.	
Assess the threat to the public and notify public officials as appropriate.	
Liaison with local Emergency Responders (Fire, Police) to evacuate surrounding homes, businesses, etc. Potentially impacted by vapor cloud.	
Conduct post-incident activities (**SECTION 8**).	
Ensure all incident/response documentation is compiled and filed.	

2.2.2 BLEVE - Boiling Liquid Expanding Vapor Explosion

BLEVE occurs when:

- Sealed containers of liquefied gases are accidentally exposed and enveloped by fire.

Vapor is generated and internal pressure rapidly rises.
- The container wall temperature rises in the outage or unfilled area.
- Wall strength deteriorates and the stress applied by the increased pressure exceeds the reduced strength of the wall.
- The container ruptures and super-heated liquid is released, expands and vaporizes in seconds resulting in catastrophic damage from the spread of ignited vapors. The ruptured vessel or tank could propel dangerous shrapnel significant distances. It is important that:
    - Vessels or tanks are kept cool and
    - External fires are extinguished quickly.

Fire Fighters should do the following:

- Fight fire from the maximum distance possible or use unmanned hose holders or monitor nozzles.
- Cool containers by flooding them with large amounts of water until well after the fire is out.
- Do not direct water at the source of leak or at safety devices; icing may occur.
- Leave the area immediately if you hear a rising sound from venting safety devices or see discoloration of the tank.
- For massive fires, use unmanned hose holders or monitor nozzles; if this is impossible, leave the area and let the fire burn.
- Be aware that when a BLEVE occurs, sections of the tank can fly in any direction. Just avoiding the ends of the tank should not be considered a safe operating procedure.

Always consider your own safety and the safety of people in the immediate area first.

2.3 MEDICAL EMERGENCY / PERSONAL INJURY

2.3.1 Medical Emergency / Personal Injury Checklist

SPECIFIC RESPONSE ACTIONS	COMMENT
General	
Medical emergencies may involve and/or be categorized as follows: a. **First Aid** - One or more patients with minor injuries which can be effectively managed with the application of routine First Aid. This type of injury does not require medical transport to a hospital, but may require follow-up with a Physician. b. **Serious** - One or more patients with moderate to serious injuries, requiring response by local Emergency Medical Services (EMS) and may include transport to a hospital for advanced care and treatment. c. **Life-Threatening** - One or more patients with serious or life-threatening injuries, requiring response by local Emergency Medical Services (EMS) and includes transport to a hospital for advanced care and treatment.	
Assess the scene.	

Summon local Emergency Medical Services (EMS) to the scene; provide information on the nature of injuries and number of injured persons (**SECTION 3**).	
If trained, provide First Aid/CPR as necessary, until EMS arrives at the scene; injured personnel should not be moved unless the situation is life threatening.	
Assist with Medical Evacuation (via air or ground transport) as recommended by EMS personnel.	
Establish a secure perimeter around the area to prevent unauthorized entry. Initiate the Site Security Plan, as necessary (**SECTION 5**).	
Notify Team Leader/Terminal Manager and make appropriate notifications to local emergency agencies if necessary. Make other internal management contacts as appropriate (**SECTION 3**).	
In case of a fatality: • Do not move the victim. • Do not release name of victim(s). • Contact local law enforcement. • Contact local medical authority. • Preserve the accident site. • Restrict all communications concerning the incident (do not release names of victims unless authorized).	
Conduct post-incident activities (**SECTION 8**).	
Ensure all incident/response documentation is compiled and filed.	

2.4 NATURAL DISASTER / SEVERE WEATHER

2.4.1 Earthquake/Tornado Procedure

SPECIFIC RESPONSE ACTIONS	COMMENT
1. Activate the emergency alarm, if available.	
2. Evacuate personnel from the immediate area to a safe assembly area. Determine safe location based on impact to facility.	
3. Account for personnel using roll call.	
4. Evaluate the extent of the emergency.	
5. If time permits, engage emergency shutdown systems and/or manually isolate processes and equipment.	
6. Notify the Team Leader/Terminal Manager and make other internal notifications, as appropriate. (**SECTION 3**)	

7. Conduct an inspection for residual safety hazards, such as: • Process safety/integrity; • Structural damage; • Downed power lines; and • Leaking natural gas, water, and sewer lines.	
8. Arrange for necessary repairs.	
9. Conduct post-incident activities. (**SECTION 8**)	
10. Ensure all incident/response documentation is compiled and filed.	

2.4.2 Flooding Procedure

SPECIFIC RESPONSE ACTIONS	COMMENT
1. Account for personnel.	
2. Notify Manager and make other internal notifications, as appropriate. (**SECTION 3**)	
3. Evaluate the extent of the emergency.	
4. Prepare an evacuation plan based upon flood crest and weather forecast.	
5. Maintain tank levels, as appropriate (consider filling tanks that might float with water).	
6. Secure all loose items in the area that could do harm to other equipment (pipe, tools).	
7. Engage emergency shutdown systems and/or manually isolate processes and equipment, if necessary.	
8. Evacuate personnel, as necessary. Conduct Accountability via roll call.	
9. Conduct an inspection for residual safety hazards, such as: • Structural damage; • Downed power lines; • Leaking natural gas, water, and sewer lines; • Poisonous snakes and other wildlife sheltering in structures, vehicles, and furniture; and	

• Avoid direct contact with flood water, mud, and animal carcasses.	
10. Arrange for necessary repairs.	
11. Conduct post-incident activities. (**SECTION 8**)	
12. Ensure all incident/response documentation is compiled and filed.	

2.4.3 Hurricane Procedure

SPECIFIC RESPONSE ACTIONS	COMMENT
Prior to Hurricane Season	
1. Conduct hurricane awareness training, which includes evacuation routes and asset hurricane procedures.	
2. Coordinate activities with local and state agencies involved in hurricane preparation (Emergency Access Cards, etc.).	
3. Communicate recommended Community Evacuation routes.	
4. Determine disposition of Company vehicles during evacuation.	
5. Each location should maintain current photographs of facilities.	
June 1st to November of Hurricane Season	
1. Verify the availability of and procure emergency supplies, as necessary: • Portable radios • Plywood, lumber, plastic sheeting, or covering • Drinking water • First Aid Kits • Flashlight and batteries • Tools • Emergency non-perishable food item	
2. Ensure emergency generators and portable equipment is in good working order and sufficient fuel is available.	
Hurricane entering Gulf of Mexico or Approaching East Coast	
1. Implement hurricane procedures.	

2. Identify employees who may volunteer to implement hurricane procedures.	
72 hours prior to hurricane's eye reaching landfall	
1. Cancel all training and meetings requiring travel to affected areas.	
2. Designate location for temporary Communication Center.	
3. Verify contractor contacts and availability.	
4. All employees shall provide to their supervisor an evacuation location and contact number.	
5. Each location shall identify a radio frequency which broadcasts emergency weather information.	
6. Report facility status to Corporate Management.	

2.4.3 Hurricane Procedure, Continued

SPECIFIC RESPONSE ACTIONS	COMMENT
48 hours prior to hurricane's eye reaching landfall	
1. Implement flex-shift to allow employees to secure personal property.	
2. Ensure all storage tanks are stabilized.	
3. Ensure all below ground sumps have been pumped dry.	
4. Secure all critical documents including electronic data.	
5. Elevate electrical equipment, sensitive office equipment and documents in the event of high water.	
6. Report facility status to Corporate Management.	
36 hours prior to hurricane's eye reaching landfall	
1. Communicate with suppliers and affected customers.	
2. Report facility status to Corporate Management.	
24 hours prior to hurricane's eye reaching landfall	
1. Begin shutdown operations.	

2. Release non-essential personnel.	
3. Report facility status to Corporate Management.	
12 hours prior to hurricane's eye reaching landfall	
1. Man Communications Center continuously.	
2. Report facility status to Corporate Management.	
Post Storm Recovery Procedure	
1. Initiate facility damage assessment.	
2. Report facility status to Corporate Management.	
3. Once access has been granted, the following processes should be surveyed for operational reliability prior to startup: • Electrical panels and motors, • Instrument air system, • Emergency Shutdown System, • Tank and Vessel foundation and support (possible washouts), and • Check for dangerous wildlife and reptiles.	

2.5 SECURITY RELATED INCIDENTS

2.5.1 Threats to Personnel and Facilities

(b) (7)(F) [redacted]	[redacted]
[redacted]	
[redacted]	
[redacted]	
[redacted]	
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• [redacted]	

written/letter, email, other, etc.).

- (b) (7)(F)
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[redacted]
[redacted] ☐ [redacted] ☐ [redacted] ☐
[redacted] ☐ [redacted] ☐ [redacted] ☐
Any other Comments:

2.6 EVACUATION

2.6.1 Evacuation Checklist

SPECIFIC RESPONSE ACTIONS	COMMENTS
Request assistance from off-site agencies; convey Command Post's location.	

Assemble personnel at predetermined safe location: upwind/up gradient of release (regrouping area).	
Account for Company and contractor personnel.	
Assess casualties (number/type/location).	
Determine probable location of missing personnel.	
Secure site, establish re-entry point and check-in/check-out procedures.	
Develop list of known hazards (confined spaces, electrical hazards, physical hazards, vapors, oxygen deficiency, fire/explosion, etc.).	
Monitor situation (weather, vapors, product migration) for significant changes.	
Assist in developing a Rescue Plan, if necessary.	

2.6.2 Evacuation Factors

EVACUATION FACTORS	
FACTOR	**DESCRIPTION**
Stored material location	• Located in oil storage area. • Identified in Facility Plot Plan. (**FIGURE 1-5**)
Spilled material hazards	• Hazard is fire/explosion.
Water currents, tides or wave conditions	• According to the U.S Geological Survey, the Mississippi River at Alton, IL has an average daily stream flow of approximately 250,000 cubic feet per second. • Based on the data from US Army Corps of Engineers (St. Louis, MO), current in the main channel of the Mississippi River at normal pool elevation is estimated to be approximately 5.5 feet per second and the overall flow direction is to the south.
Evacuation routes	• Routes are summarized on Evacuation Plan Diagram. (**FIGURE C-3**) • Criteria for determining safest evacuation routes from facility may include: wind direction, potential exposure to toxins and carcinogens, intense heat, potential for explosion/fire, and blockage of planned route by fire, debris, or released liquid.
Alternate evacuation routes	• Refer to Evacuation Plan Diagram. (**FIGURE C-3**) • Alternate evacuation route is to Remediation Office and out the North Gate (also known as the West Gate). In addition, personnel may evacuate through the main contractor gate at the

	northeast corner of the Terminal, if necessary.
Injured personnel transportation	• Emergency services will be mobilized to the Facility. (**FIGURE 3.1-4**.) • Hospital will be contacted and ambulance will used to transport critically injured personnel.

2.6.2 Evacuation Factors, Continued

EVACUATION FACTORS	
FACTOR	**DESCRIPTION**
(b) (7)(F) [redacted]	• [redacted] • [redacted] • [redacted] • [redacted] • [redacted] • [redacted] • [redacted]

	• (b) (7)(F) [redacted]
Community evacuation plans	• Company may request local police assistance (see **FIGURE 3.1-4** for notification information). Community evacuations are the responsibility of these agencies. (b) (7)(F) [redacted]

2.6.2 Evacuation Factors, Continued

EVACUATION FACTORS	
FACTOR	**DESCRIPTION**
Spill flow direction	• The Terminal is relatively flat and has containment systems to control potential discharges in the diked and undiked areas. Terminal drainage is shown in the Site Drainage Plan Diagram (FIGURE C-2) and described in Figure C-9. • An oil discharge may leave the property by the following ways: • - In the Terminal Yard or at the Denatured Ethanol unloading area, a discharge may flow to the east, then towards the southeastern corner of the property and flow offsite. • - From aboveground pipelines in undiked areas (e.g., near the main gate) a discharge may flow towards the southeastern corner of the property and flow offsite. • - From the aboveground pipeline that supplies the Truck Loading Rack a discharge would flow south and east, then towards the southeastern corner of the property and flow offsite. • - In the Tank Farm a discharge would be contained within the secondary containment, unless the secondary containment also fails. Inside secondary containment, a discharge would flow westward and northward, and enter Sump J-16A. The pump in Sump J-16A is manually-activated and discharges into a drain line that flows to the off-site wastewater treatment plant. If a perimeter dike fails, a discharge would follow the natural topography and could enter ditches or natural drainages and flow offsite. The direction on flow in the event of a dike failure would depend on where the failure occurred. • Identified in Facility Drainage Diagram. (**FIGURE C-2**)
Prevailing wind direction and speed	• The prevailing wind direction is predominantly from the west-northwest. The average wind speed is ten (10) miles per hour.

	• Because wind direction varies with weather conditions, consideration for evacuation routing will depend in part on wind direction.
Emergency personnel/response equipment arrival route	(b) (7)(F) [redacted]

2.6.2 Evacuation Factors, Continued

EVACUATION FACTORS	
FACTOR	**DESCRIPTION**
(b) (7)(F) [redacted]	• (b) (7)(F) [redacted] • [redacted] • [redacted]
(b) (7)(F) [redacted]	• [redacted] • [redacted]
[redacted]	• [redacted] • [redacted]
Directions to nearest medical facility	Directions to Alton Memorial Hospital and Midwest Occupational Medicine:

	• ALTON MEMORIAL HOSPITAL: Take IL 3 (Lewis and Clark Blvd, turns into Homer Adams Pkwy) toward Alton for approximately 3.4 miles. Take IL 140 / College Avenue exit and turn west (left). Take College Avenue for approximately 1.1 miles. Turn south (left) on Rock Springs Drive for approximately 0.2 miles. Entrance to the hospital is on the right. • MIDWEST OCCUPATIONAL MEDICINE: Take S Central Avenue / IL 111 north (left) approximately 1.3 miles. Turn west (left) on E Madison Avenue / IL 143 approximately 1.3 mile. Entrance is on the right.

2.7 FIRE PRE PLANS

Name:	Wood River
Address:	1000 BP Lane Hartford IL 62048
(b) (7)(F)	[redacted]
Phone / Fax:	(618) 254-7630 (618) 254-0695 / (618) 254-0925

DESCRIPTION:

The Wood River Terminal (hereinafter referred to as ?the Terminal? or ?the Facility?) is owned and operated by BP Products North America, Inc. , and operated by BP U.S. Pipelines and Logistics. This is a complex facility and subject to USEPA and US Department of Transportation (USDOT) Pipeline and Hazardous Materials Safety Administration (PHMSA) regulatory requirements.

The Facility's SIC code is 5171 and NAICS code is 424710.

The Terminal is located in an industrial area in Hartford and Wood River, Illinois, with residential and commercial properties in the vicinity. The Terminal is on an approximately 600-acre site bordered by East Rand Avenue to the south with a refinery across the road; Marathon Pipeline facility and former BP refinery to the north; and railroad tracks (Norfolk Southern, Union Pacific, and Kansas City Southern) to the west with the Wood River Wastewater Treatment Plant and Lewis and Clark Boulevard across the tracks; and South Old Edwardsville Road to the east with residential properties across the road. Residential properties are also located to the southwest and northeast.

(b) (7)(F) [redacted]

(b) (7)(F)



Dates and Types of Substantial Expansions:
(See APPENDIX C, FIGURE C-1 for additional information on tanks)
1908 to 1996 ? Initial construction and operations of Terminal, including Terminal Office, 23 tanks, piping, barge dock, and rail load out.
1996 - The Facility sold their barge loading/unloading facilities and disconnected pipelines to the barge dock.
1996 ? Discontinue operations at the rail loading rack and disconnect pipelines to rail loading rack.
2003 ? Started construction on a new consolidated facility in the Southern portion of the property.
2004 ? Installed additive Tanks A-1 thru A-5 and Tank A-9.
2004 ? Install truck loading rack; started operations December 2004.
2004 ? Discontinued operations at Korea Tank Farm; tanks cleaned and pipelines disconnected.
2006 ? Moved and renamed Tank F1 to Tank G298 (b) (7)(F) and F2 to Tank D297 (b) (7)(F)
2006 ? Installed additive tanks A-12, A-13, and A-14.

DRIVING DIRECTIONS:

From I-270 take the Hwy 3 exit and head north to Hwy 143. Go east to 6th Street then south to the terminal entrance.

DISTANCE / DIRECTION TO NAVIGABLE WATER:

The site is approx. 3/4 of a mile to the east of the Mississippi River.

EVACUATION:

There are no medical facilities in the immediate facility. There are approx. 3 schools within a

mile of the site.

2.7 FIRE PRE PLANS, CONTINUED

*24 Hour Number

Company Personnel		
Affiliation	**Phone Number**	**Time Contacted**
Tom Antenucci Area Manager Midwest Terminals and Pipelines **Primary Qualified Individual**	(513)482-3215 (Office) (317)694-5948 *(Mobile)	
Vernon St. Peters Terminal Manager **Alternate Qualified Individual**	(618) 254-7781 (Office) (b) (6) (618) 779-2285 *(Mobile)	
William (Doug) Heimer Scheduler, Wood River, IL	(618) 254-7794 (Office) (b) (6) (815) 370-0749 *(Mobile)	
Phil Smith	(618) 254-7785 (Office) (618) 660-0166 *(Mobile)	
Brad Tonsor	(618) 254-7793 (Office) (618) 779-2292 *(Mobile)	
24/7 Terminal Number / Lead Operator	(618) 254-7790* (Office)	
Rack Technician	(618) 254-7792 (Office)	
Maintenance	(618) 741-8037 (Office)	
BP Pipelines	(618) 254-8422 (Office) (618) 254-6758 (Fax) *(Mobile)	
BP Tulsa Control Center	(918) 660-4457, (918) 660-4301 (Office)	

Refer to **APPENDIX A**, **FIGURE A.2-3** for personnel training records

2.7 FIRE PRE PLANS, CONTINUED

*24 Hour Number

Company Personnel		
Affiliation	**Phone Number**	**Time Contacted**
Paula Skryja Emergency Response/Crisis Management Coordinator	(708) 390-5521 (Office) (443) 310-2099 *(Mobile)	
Jeff A. Piatt Environmental Coordinator	(618) 632-6972 (Office) (b) (6) (618) 580-0322 *(Mobile)	
William Watts Safety Coordinator	(312) 218 8119 (Office) (b) (6) (312) 218 8119 *(Mobile)	
Daniel Shaffer Engineering & Maintenance	(630) 536-2636 (Office)	
Corporate Security	(630) 420-4400* (Office)	
Quality & Tech Services - Hotline - Business Hours	(800) 841-5255 (Office), (800) 237-9436 Non-Business Hours (Office)	
BP Notification Center (BPNC)	(800) 321-8642* (Office), (630) 961-6200 (Office), (630) 961-6965 (Fax) (Office)	
Ronald Rybarczyk Government & Public Affairs Director (GPA)	(419) 698-6376 (Office) (b) (6) (816) 536-1328 *(Mobile)	

NOTE: Refer to **APPENDIX A** for training dates.

2.7 FIRE PRE PLANS, CONTINUED

*24 Hour Number

Emergency Response Contractors		
Affiliation	**Phone Number**	**Time Contacted**
Jarrett Industries, Inc.	(618) 251-4116* (618) 779-2944 (Mike Young) (618) 973-5047 (Jeff Heintz cell) (618) 779-2734 (Ron Weber cell)	
Heritage Environmental Services, LLC	(800) 487-7455* (National Response #)	

2.7 FIRE PRE PLANS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Initial		
National Response Center (NRC) - NRC will contact the USCG and EPA completing the Federal notifications.	(800) 424-8802* (202) 267-2675* (202) 267-1322 Fax	
U.S. Environmental Protection Agency, Region V (IL, IN, MI, MN, OH, WI) 77 W. Jackson Blvd, Chicago, IL, 60604	(312) 353-2318* Emergency Response	
Recommended		
Federal Agencies		
Occupational Safety and Health Administration (OSHA) - Washington, D.C.	(800) 321-6742*	
U.S. Army Corps of Engineers, St. Louis District	(314) 331-8068 (618) 452-7107 (Lock 27)	
U.S. Coast Guard - Sector Upper Mississippi (St. Louis)	(866) 360-3386 (Emergency) (314) 269-2500	
U.S. Dept. of Transportation (DOT) Office of Pipeline Safety (Notified via NRC)	(202) 366-4000 main number (202) 366-4433 admin (202) 366-4595 emergency Office of Pipeline Safety	
U.S. Environmental Protection Agency, Region VII (IA, KS, MO, NE), 901 North 5th St, Kansas City, KS, 66101	(913) 281-0991* (Spill Line) (913) 551-7003 (8:00 am - 4:30 pm) (800) 223-0425 (8:00 am - 4:30 pm) (913) 551-7066 Fax	
U.S. Fish and Wildlife Service	(800) 344-9453 (309) 757-5800 x 206 Rock Island Field Office (612) 725-3548 Twin Cities Ecological Field Office	
State Agencies		
IL Workers Compensation Commission -	(217) 785-7087	

Industrial Commission		
Illinois Emergency Management Agency (SERC) (Illinois Environmental Emergency Hotline)	(800) 782-7860 when calling within state (217) 782-7860* when calling from outside state	
Illinois Environmental Protection Agency (In addition to SERC notification for a Hazardous Materials Release)	(217) 782-3637	
Illinois State Fire Marshall	(312) 814-2693 (8am-5pm) Office of Fire Prevention	
Illinois State Police Command Center District Springfield, IL	(800) 782-7860* (In-state) (217) 786-6677 (statewide emergencies)	
Missouri Department of Natural Resources (MODNR) Environmental Emergency Reporting Number	(573) 634-2436 Emergency	
Local Agencies		
Madison County Emergency Management LEPC	(618) 692-0537	

2.7 FIRE PRE PLANS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended		
Police Departments		
Hartford Police	911* (618) 254-4393	
Wood River Police	911* (618) 251-3113	
Fire Departments		
Hartford Fire Department	911* (618) 254-4393	
Wood River Fire Department	911* (618) 259-0984	
Emergency Medical Services		
Alton Memorial Hospital	(618) 463-7311	
Anderson Hospital (Maryville, IL)	(618) 288-5711	
Midwest Occupational, Dr. George	(618) 251-5202	

Dirkers		
Wood River Ambulance (Fire Department)	911* (618) 259-0984	
USCG Classified OSRO's		
Heritage Environmental Services, LLC Wood River, IL	(800) 487-7455* (National Response #)	
Non-Classified OSRO's		
Jarrett Industries, Inc.	(618) 251-4116* (618) 779-2944 (Mike Young) (618) 973-5047 (Jeff Heintz cell) (618) 779-2734 (Ron Weber cell)	
Neighboring Facilities		
BP Wood River Remediation - Tom Tunnicliff	(618) 254-9074 (Office) (314) 422-0249* (Mobile)	
Explorer Pipeline (Wood River, IL)	(618) 251-0250 (618) 251-0251	
Explorer Pipeline Co.	(888) 876-0036 Emergency (918) 493-5153	
Kansas City Southern Emergency Contact	(877) 527-9464	
Marathon Pipe Line LLC	(800) 537-6644 Emergency (419) 421-3587	

2.7 FIRE PRE PLANS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended		
Neighboring Facilities		
Marathon Pipeline (Wood River, IL)	(618) 254-6622 (618) 225-0690	
Norfolk and Southern (NS Police Emergency Contact)	(800) 453-2530	
Phillips 66 Pipeline (Wood River, IL)	(618) 255-2384	
Phillips 66 Pipeline Co.	(800) 231-2551 Emergency (580) 767-6236	
Phillips Pipeline Co.	(800) 766-8690 Emergency (618) 337-6066	
Phillips Refinery (Wood River, IL) - Fire Department	(618) 255-2345 (618) 255-2624 Rick	

	Haase Fire Chief	
Shell Pipeline Co.	(800) 634-4325 Emergency (918) 223-2402 (918) 223-6248	
Union Pacific (UP Police Emergency Contact)	(888) 877-7267	
Parks/Recreation Areas		
Illinois Department of Natural Resources Region V Office - Southern Illinois	(618) 435-8138	
Missouri Department of Conservation St. Louis Regional Office	(636) 441-4554	
Missouri Department of Natural Resources Division of State Parks	(800) 334-6946 (573) 751-2479	
National Park Service (Trustee of Sensitive Area)	(800) 759-4726 Emergency (202) 273-3431 Emergency (314) 655-1700	
U.S. Army Corps of Engineers Recreation and Management Areas	(314) 303-1409	
Radio Stations		
KMOX ? AM-1120 (St. Louis, MO)	(314) 621-2345	
Service Providers (as needed)		
Phillips ? Oil Spill Cooperative (Wood River, IL)	(618) 255-2345 (618) 255-2624 Rick Haase Fire Chief	

2.7 FIRE PRE PLANS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended		
Television Stations		
KDNL ? ABC-30 (St. Louis, MO)	(314) 436-3030	
KMOV ? CBS-4 (St. Louis, MO)	(314) 621-4444	
KSDK ? NBC-5 (St. Louis, MO)	(314) 421-5055	
Water Intakes		
Ashley Plant, Trigen St. Louis Energy Corp.	(314) 621-3550 x 2129 Emergency (314) 621-3550 x 2112	
Chain of Rocks Treatment Plant City of St. Louis, MO	(314) 868-5640 (314) 592-8240	

Illinois American Water Company (IAWC) East St. Louis, IL	(618) 239-3249	
Illinois American Water Company (IAWC) Granite City, IL	(618) 239-3249	
Wood River Regional Wastewater Treatment Facility (Wood River, IL)	(618) 251-3118* (618) 530-4074*	
Weather		
National Weather Service (Recorded Forecasts)	(636) 441-8467	
Wildlife Rehabilitation		
Tri-State Bird Rescue (Newark, DE)	(302) 737-9543	

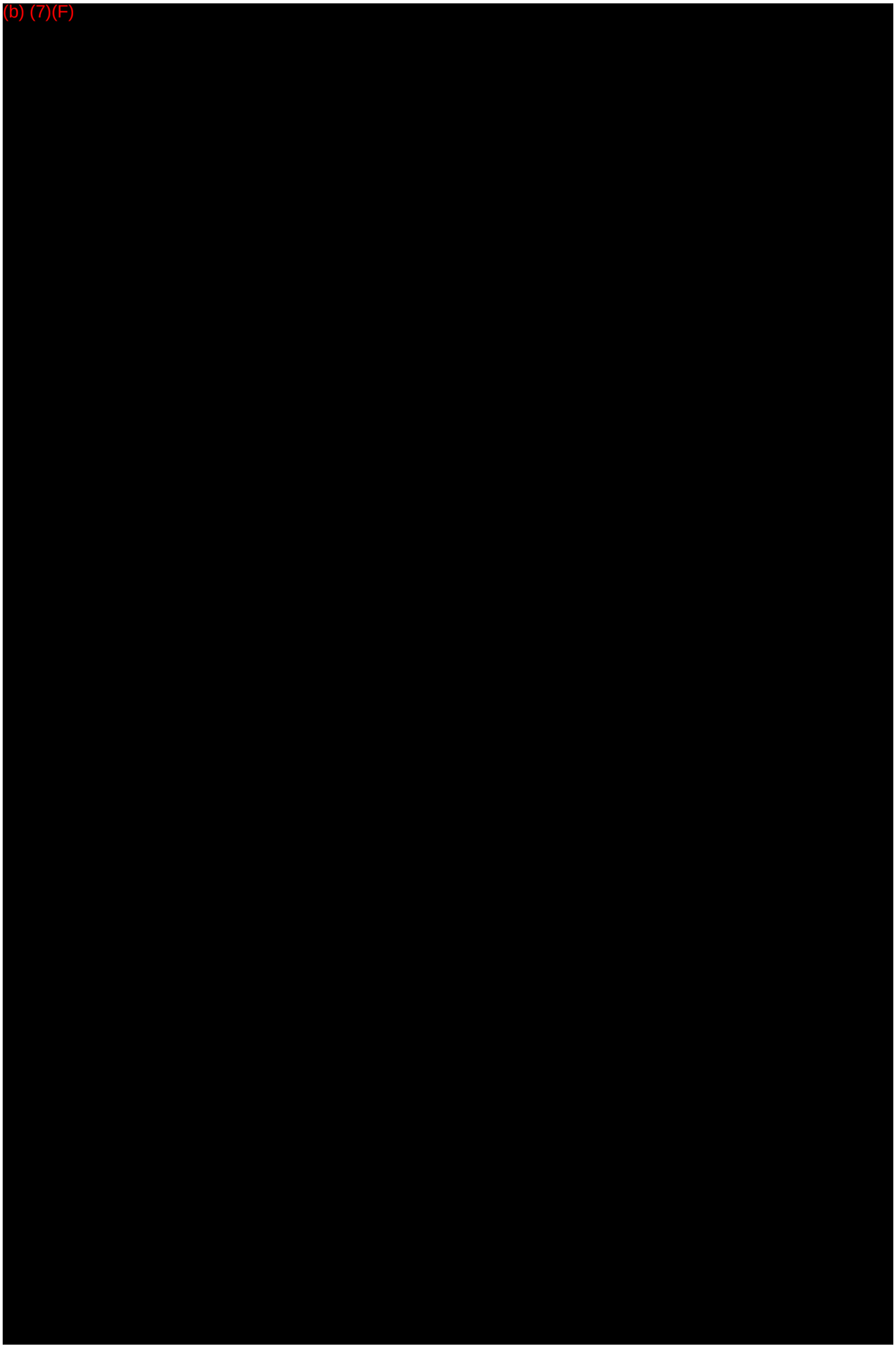
2.7 FIRE PRE PLANS, CONTINUED

Area Firefighting Resources			
Company	Phone Number	Equipment	Response Time
Hartford Fire Department Hartford, IL	911 618-254-4393	According to the Wood River Fire Department chief the Hartford Fire Department is a small volunteer fire department and would likely defer to Wood River in a major fire situation.	0
Williams Fire and Hazard Control Mauriceville, TX	(409) 727-2347 (281) 999-0276	Williams specializes in petroleum and tank farm fire fighting and as a fire equipment / foam vendor has access to a large amount of foam and the equipment needed to deliver it to the tank surface.	24 hours
Wood River Fire Department Wood River, IL	911 618-259-0984	There is one station which houses two 2000gpm pumpers, one 1500gpm aerial unit and one 1000gpm foam tanker. Each pumper carries 750gal of water and 15gal Class B foam. The aerial is an 85ft. snorkel which carries 200gal of water. The foam pumper carries 1000gal of 1-3% AR-AFFF foam concentrate. Wood River FD also has a 6000gpm portable foam monitor. In addition to the 1000gal of foam carried in the foam tanker there is approximately 7200gal of various Class B foam (1-3% AR-AFFF, 3-6% AFFF and 3-6% FFFP) available, in storage. Wood River FD uses large diameter supply hose (5in.) with a Storz connection. All smaller diameter hose lines have a NST	3 - 4 minutes

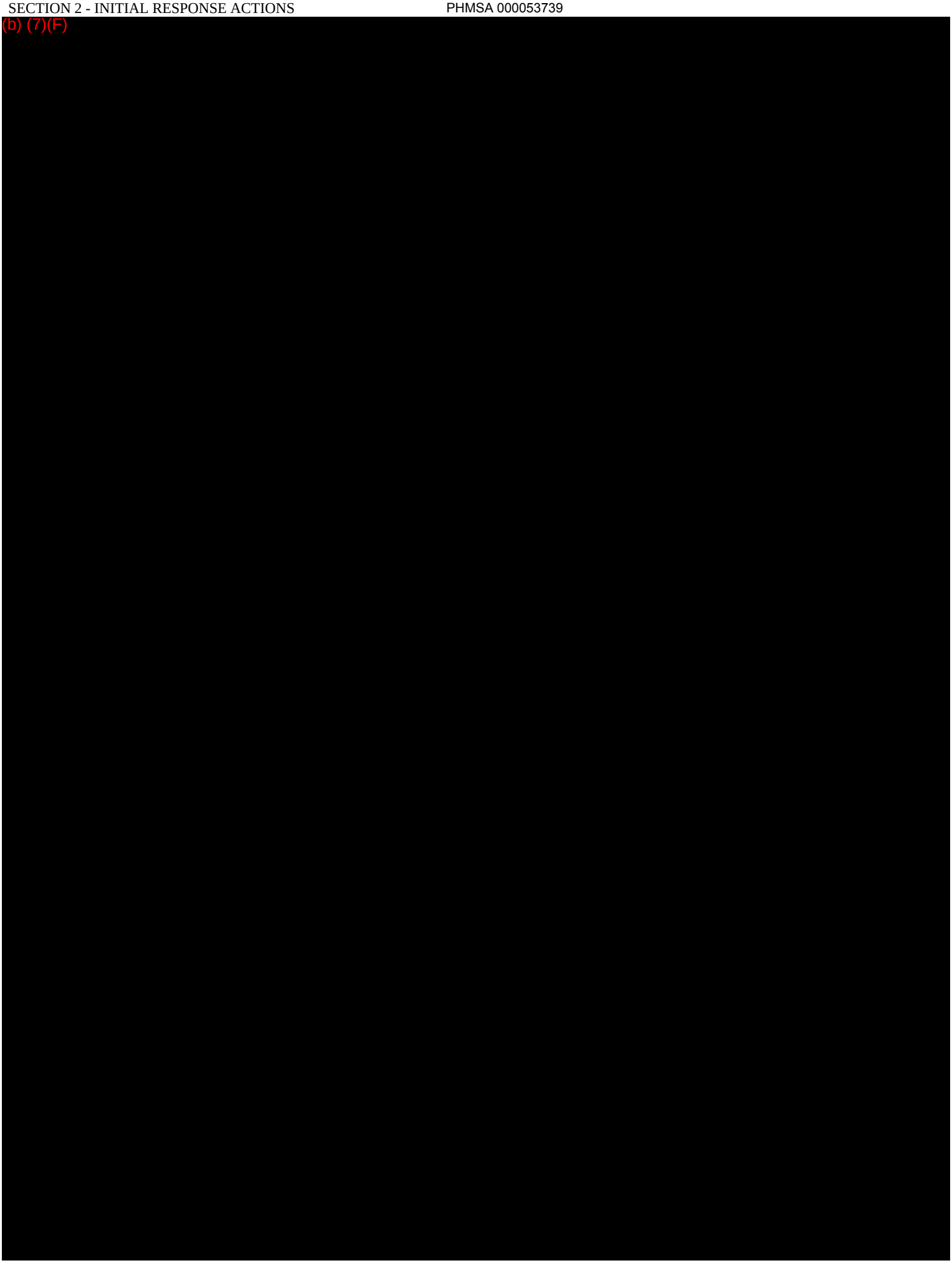
		connection. There are 10 full time and 17 paid on call firefighters which staff the fire department, minimum crew size is three. The response to a call from the on-call crew may vary, but a typical response is 14 additional personnel. Wood River FD is also a Mutual Aid Box Alarm System (MABAS) Division 35 member. All of the Wood River firefighters are certified by the state of Illinois in accordance with NFPA 1001: Standard for Firefighter Professional Qualifications which includes being trained to respond to hydrocarbon fires. Wood River FD maintains the Madison County hazardous materials response team and provides 11 of the 42 members on the team who have been trained to the technician level in accordance with OSHA 29 CFR 1910.120(q) and NFPA 472. All other firefighters not assigned to the hazardous materials response team have been trained to the hazardous materials operations level in accordance with OSHA 29 CFR 1910.120(q) and NFPA 472.	

2.7 FIRE PRE PLANS, CONTINUED

(b) (7)(F)



(b) (7)(F)



(b) (7)(F)

[redacted]

SECTION 3 Last Revised: December 2013

NOTIFICATIONS / TELEPHONE NUMBERS

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3.1 Emergency Information and Notification Procedures

Figure 3.1-1 - Emergency Notification Flow Chart

Figure 3.1-2 - Release / Discharge / Incident Telephonic Notice

Figure 3.1-3 - Internal Notifications and Telephone Numbers

Figure 3.1-4 - External Notifications and Telephone Numbers

Figure 3.1-5 - Reporting Requirements

3.1 EMERGENCY INFORMATION AND NOTIFICATION PROCEDURES

Semi-annually, call agencies and oil spill response contractors (OSROs) listed in External Notifications and Telephone Numbers of Facility Response Plan, to verify phone numbers are current.

The notification sequence for a spill is as follows:

- Facility personnel will identify and control the source of a spill, if safe to do so, then will notify the Supervisory Personnel.
- The Qualified Individual will conduct notifications as illustrated in the Emergency Notification Flow Chart (**FIGURE 3.1-1**).

The priority of actions and response procedures will depend upon actual circumstances and will be determined by the Incident Commander.

This section also contains the following:

- FIGURE 3.1-2 provides a notification summary and documentation form to assist in documenting notifications.
- FIGURE 3.1-3 provides the Internal Notifications and Telephone Numbers list.
- FIGURE 3.1-4 provides the External Notifications and Telephone Numbers list.

FIGURE 3.1-1 - EMERGENCY NOTIFICATION FLOW CHART

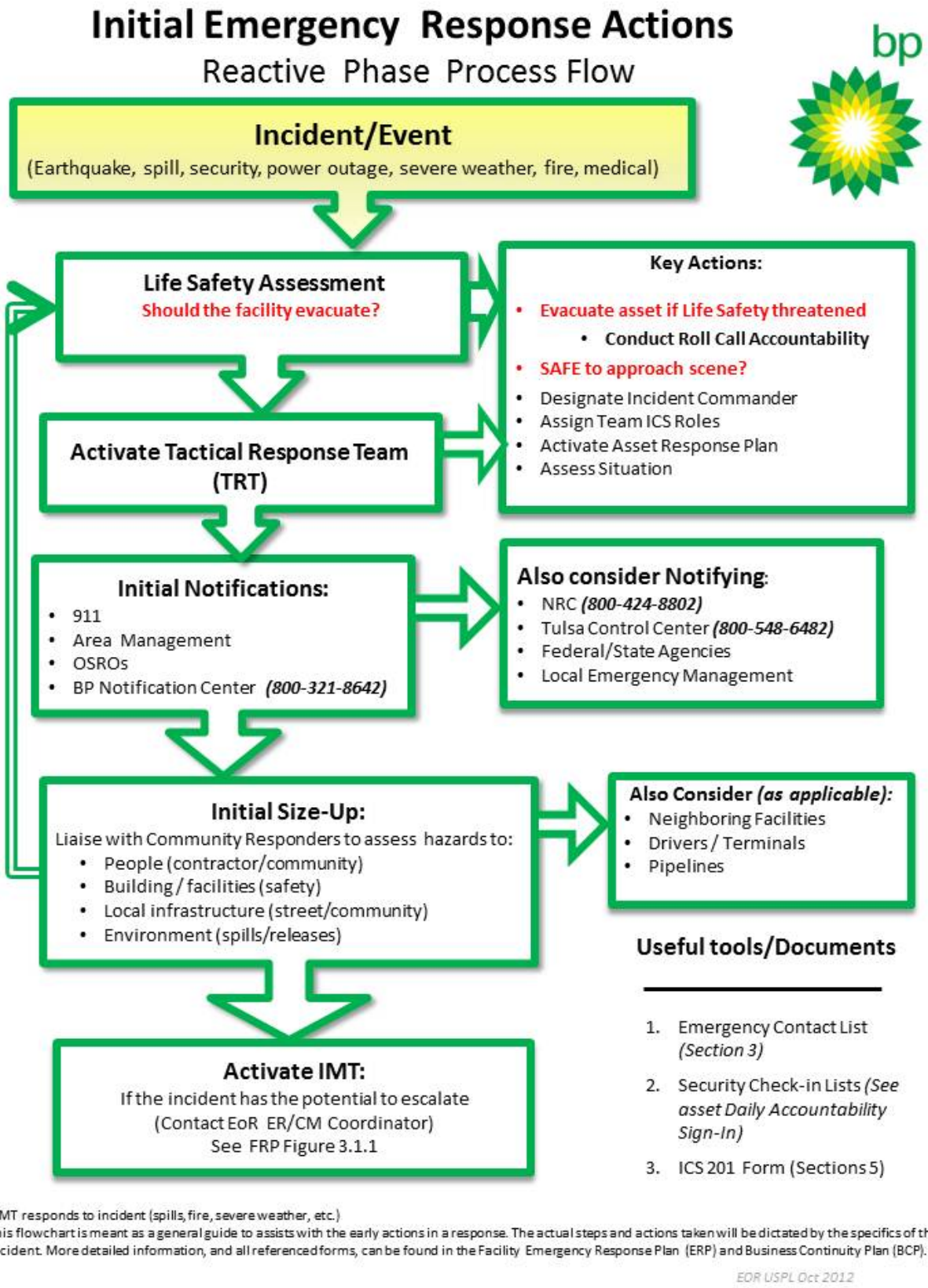


FIGURE 3.1-2 - RELEASE / DISCHARGE / INCIDENT TELEPHONIC NOTICE

Do not delay making notifications while obtaining the information and completing this form.

INVOLVED PARTIES			
Reporting Party		**Suspected Responsible Party**	
Name:		Name:	
Phone: (Day)	(Evening)	Phone: (Day)	(Evening)
Position:		Company:	
Company:		Organizational Type: ☐ Private Citizen ☐ Private Enterprise ☐ Public Utility ☐ Local Government ☐ State Government ☐ Federal Government	
Address:			
Person Discovering Incident			
Name:			
Company/Organization:			
City: State: Zip:			
Were materials released/discharged? ☐ Yes ☐ No		Calling for Responsible Party ☐ Yes ☐ No	
Meets Federal Obligations to Report? ☐ Yes ☐ No (If YES, see below for date/time notification made)			

INCIDENT DESCRIPTION			
Start Date:	Time: ☐ AM ☐ PM	Weather:	
End Date:	Time: ☐ AM ☐ PM	Latitude: _____ degrees _____ min _____ sec N	
		Longitude: _____ degrees _____ min _____ sec W	
Mile Post/River Marker:			
City/County:		Distance from City:	
State:		Direction from City:	
Source and Cause of Incident:			
Storage Tank Type: ☐ Above Ground ☐ Below Ground ☐ Unknown			
Tank Capacity:		Facility Capacity:	

MATERIAL INFORMATION			
CHRIS Code	**Product Released / Discharged**	**Released / Discharged Quantity (Include units of measure)**	**Quantity in Water (Include units of measure)**

FIGURE 3.1-2 - RELEASE / DISCHARGE / INCIDENT TELEPHONIC NOTICE, CONTINUED

INITIAL IMPACT	
Number of Injuries:	Number of Deaths:
Were there Evacuations? ☐ Yes ☐ No	Number Evacuated:
Was there any Damage? ☐ Yes ☐ No	
Damage in dollars (estimate):	
Is the Release / Discharge Contained within the boundaries of the facility? ☐ Yes ☐ No	
Direction of Flow:	

RESPONSE ACTION(S)
Action(s) Taken to Correct, Control or Mitigate Incident:

ADDITIONAL INFORMATION
Any information about the incident not recorded elsewhere in the report (e.g., duration of incident; if incident is continuing, intermittent, or terminated; treatment or disposal measures).

COMPLETED NOTIFICATIONS

Report	Phone Number	Date	Case Number	Time	Name	Title

NRC ☐	(800) 424-8802*					

FIGURE 3.1-3 - INTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

*24 Hour Number

The Qualified Individual (QI) and Alternate QI have been granted the authority, including contracting authority, to implement the Facility Response Plan. Terminal personnel comprise the Facility Tactical Response Team (FTRT). The Initial FTRT will consist of the Terminal personnel on-duty at the time of an incident.

FACILITY TACTICAL RESPONSE TEAM						
NAME/TITLE	**PHONE NUMBER**	**RESPONSE TIME (hours)**	**ICS POSITION**	**RESPONSE TRAINING TYPE[1]**		
				1	**2**	**3**
Tom Antenucci Area Manager Midwest Terminals and Pipelines **Primary Qualified Individual**	(513)482-3215 (Office) (317)694-5948 *(Mobile)	4-6	Alternate Incident Commander, Command Staff Support	x	x	x
Vernon St. Peters Terminal Manager **Alternate Qualified Individual**	(618) 254-7781 (Office) (b) (6) [redacted] (618) 779-2285 *(Mobile)	0.5	Incident Commander, Qualified Individual			
William (Doug) Heimer Scheduler, Wood River, IL	(618) 254-7794 (Office) (b) (6) [redacted] (815) 370-0749 *(Mobile)	0.5	Logistics Section Chief			
Phil Smith	(618) 254-7785 (Office) (618) 660-0166 *(Mobile)	< 0.5	Operations Section Chief			

Brad Tonsor	(618) 254-7793 (Office) (618) 779-2292 *(Mobile)	0.5	Planning Section Chief			
24/7 Terminal Number / Lead Operator	(618) 254-7790* (Office)	N/A				
Rack Technician	(618) 254-7792 (Office)	N/A				
Maintenance	(618) 741-8037 (Office)	N/A				
BP Pipelines	(618) 254-8422 (Office) (618) 254-6758 (Fax) *(Mobile)	N/A				
BP Tulsa Control Center	(918) 660-4457, (918) 660-4301 (Office)	N/A				

EMERGENCY RESPONSE TRAINING TYPE[1]

There are three different types of training described below including HAZWOPER, OPA, 90 / ICS, and Qualified Individual Training. An "x" has been placed in the applicable columns (type 1, 2, or 3) in the table above for the type of training completed by each individual. Blank spaces indicate training has not been completed.

TYPE[1]	**DESCRIPTION** (All training completed on an annual basis.)
1	29 CFR 1910.120 HAZWOPER
2	OPA 90 (Training Reference for Oil Spill Response) and ICS
3	Qualified Individual Training

Refer to **APPENDIX A**, **FIGURE A.2-3** for personnel training records

FIGURE 3.1-3 - INTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

EMERGENCY RESPONSE PERSONNEL AND BUSINESS UNIT NOTIFICATIONS						
NAME/TITLE	**PHONE NUMBER**	**RESPONSE TIME (hours)**	**ICS POSITION**	**RESPONSE TRAINING TYPE[1]**		
				1	**2**	**3**
Paula Skryja Emergency	(708) 390-5521 (Office)		Crisis Management			

Response/Crisis Management Coordinator	(443) 310-2099 *(Mobile)	4-6	Advisor	x	x	x
Jeff A. Piatt Environmental Coordinator	(618) 632-6972 (Office) (b) (6) (618) 580-0322 *(Mobile)	0.75	Environmental Unit Leader	x	x	
William Watts Safety Coordinator	(312) 218 8119 (Office) (b) (6) (312) 218 8119 *(Mobile)	4-6	Site Safety Officer	x	x	
Daniel Shaffer Engineering & Maintenance	(630) 536-2636 (Office)	4-6		x	x	
Corporate Security	(630) 420-4400* (Office)	N/A				
Quality & Tech Services - Hotline - Business Hours	(800) 841-5255 (Office), (800) 237-9436 Non-Business Hours (Office)	N/A				
BP Notification Center (BPNC)	(800) 321-8642* (Office), (630) 961-6200 (Office), (630) 961-6965 (Fax) (Office)	N/A				
Ronald Rybarczyk Government & Public Affairs Director (GPA)	(419) 698-6376 (Office) (b) (6) (816) 536-1328 *(Mobile)	4-6	Public Information Officer / Liaison Officer		x	

EMERGENCY RESPONSE TRAINING TYPE[1]

There are three different types of training described below including HAZWOPER, OPA, 90 / ICS, and Qualified Individual Training. An "x" has been placed in the applicable columns (type 1, 2, or 3) in the table above for the type of training completed by each individual. Blank spaces indicate training has not been completed.

TYPE[1]	**DESCRIPTION** (All training completed on an annual basis.)
1	29 CFR 1910.120 HAZWOPER

2	OPA 90 (training Reference for Oil Spill Response) and ICS
3	Qualified Individual Training

NOTE: Refer to **APPENDIX A**, **FIGURE A.2-3** for training dates.

FIGURE 3.1-3 - INTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

EMERGENCY RESPONSE CONTRACTORS			
NAME/TITLE	**PHONE NUMBER**	**RESPONSE TIME (hours)**	**RESPONSIBILITY DURING RESPONSE ACTION**
Jarrett Industries, Inc.	(618) 251-4116* (618) 779-2944 (Mike Young) (618) 973-5047 (Jeff Heintz cell) (618) 779-2734 (Ron Weber cell)	1	Equipment and Personnel Emergency Response Support
Heritage Environmental Services, LLC	(800) 487-7455* (National Response #)	1	Equipment and Personnel Emergency Response Support

FIGURE 3.1-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Initial		
National Response Center (NRC) - NRC will contact the USCG and EPA completing the Federal notifications.	(800) 424-8802* (202) 267-2675* (202) 267-1322 Fax	
U.S. Environmental Protection Agency, Region V (IL, IN, MI, MN, OH, WI) 77 W. Jackson Blvd, Chicago, IL, 60604	(312) 353-2318* Emergency Response	
Recommended		
Federal Agencies		
Occupational Safety and Health Administration (OSHA) - Washington, D.C.	(800) 321-6742*	
U.S. Army Corps of Engineers, St. Louis District	(314) 331-8068 (618) 452-7107 (Lock 27)	
U.S. Coast Guard - Sector Upper	(866) 360-3386	

Mississippi (St. Louis)	(Emergency) (314) 269-2500	
U.S. Dept. of Transportation (DOT) Office of Pipeline Safety (Notified via NRC)	(202) 366-4000 main number (202) 366-4433 admin (202) 366-4595 emergency Office of Pipeline Safety	
U.S. Environmental Protection Agency, Region VII (IA, KS, MO, NE), 901 North 5th St, Kansas City, KS, 66101	(913) 281-0991* (Spill Line) (913) 551-7003 (8:00 am - 4:30 pm) (800) 223-0425 (8:00 am - 4:30 pm) (913) 551-7066 Fax	
U.S. Fish and Wildlife Service	(800) 344-9453 (309) 757-5800 x 206 Rock Island Field Office (612) 725-3548 Twin Cities Ecological Field Office	
State Agencies		
IL Workers Compensation Commission - Industrial Commission	(217) 785-7087	
Illinois Emergency Management Agency (SERC) (Illinois Environmental Emergency Hotline)	(800) 782-7860 when calling within state (217) 782-7860* when calling from outside state	
Illinois Environmental Protection Agency (In addition to SERC notification for a Hazardous Materials Release)	(217) 782-3637	
Illinois State Fire Marshall	(312) 814-2693 (8am-5pm) Office of Fire Prevention	
Illinois State Police Command Center District Springfield, IL	(800) 782-7860* (In-state) (217) 786-6677 (statewide emergencies)	
Missouri Department of Natural Resources (MODNR) Environmental Emergency Reporting Number	(573) 634-2436 Emergency	
Local Agencies		
Madison County Emergency Management LEPC	(618) 692-0537	

FIGURE 3.1-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS , CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended		
Police Departments		
Hartford Police	911* (618) 254-4393	
Wood River Police	911* (618) 251-3113	
Fire Departments		
Hartford Fire Department	911* (618) 254-4393	
Wood River Fire Department	911* (618) 259-0984	
Emergency Medical Services		
Alton Memorial Hospital	(618) 463-7311	
Anderson Hospital (Maryville, IL)	(618) 288-5711	
Midwest Occupational, Dr. George Dirkers	(618) 251-5202	
Wood River Ambulance (Fire Department)	911* (618) 259-0984	
USCG Classified OSRO's		
Heritage Environmental Services, LLC Wood River, IL	(800) 487-7455* (National Response #)	
Non-Classified OSRO's		
Jarrett Industries, Inc.	(618) 251-4116* (618) 779-2944 (Mike Young) (618) 973-5047 (Jeff Heintz cell) (618) 779-2734 (Ron Weber cell)	
Neighboring Facilities		
BP Wood River Remediation - Tom Tunnicliff	(618) 254-9074 (Office) (314) 422-0249* (Mobile)	
Explorer Pipeline (Wood River, IL)	(618) 251-0250 (618) 251-0251	
Explorer Pipeline Co.	(888) 876-0036 Emergency (918) 493-5153	

Kansas City Southern Emergency Contact	(877) 527-9464	
Marathon Pipe Line LLC	(800) 537-6644 Emergency (419) 421-3587	

FIGURE 3.1-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS , CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended		
Neighboring Facilities		
Marathon Pipeline (Wood River, IL)	(618) 254-6622 (618) 225-0690	
Norfolk and Southern (NS Police Emergency Contact)	(800) 453-2530	
Phillips 66 Pipeline (Wood River, IL)	(618) 255-2384	
Phillips 66 Pipeline Co.	(800) 231-2551 Emergency (580) 767-6236	
Phillips Pipeline Co.	(800) 766-8690 Emergency (618) 337-6066	
Phillips Refinery (Wood River, IL) - Fire Department	(618) 255-2345 (618) 255-2624 Rick Haase Fire Chief	
Shell Pipeline Co.	(800) 634-4325 Emergency (918) 223-2402 (918) 223-6248	
Union Pacific (UP Police Emergency Contact)	(888) 877-7267	
Parks/Recreation Areas		
Illinois Department of Natural Resources Region V Office - Southern Illinois	(618) 435-8138	
Missouri Department of Conservation St. Louis Regional Office	(636) 441-4554	
Missouri Department of Natural Resources Division of State Parks	(800) 334-6946 (573) 751-2479	
National Park Service (Trustee of Sensitive Area)	(800) 759-4726 Emergency (202) 273-3431 Emergency (314) 655-1700	

U.S. Army Corps of Engineers Recreation and Management Areas	(314) 303-1409	
Radio Stations		
KMOX ? AM-1120 (St. Louis, MO)	(314) 621-2345	
Service Providers (as needed)		
Phillips ? Oil Spill Cooperative (Wood River, IL)	(618) 255-2345 (618) 255-2624 Rick Haase Fire Chief	

FIGURE 3.1-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS , CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended		
Television Stations		
KDNL ? ABC-30 (St. Louis, MO)	(314) 436-3030	
KMOV ? CBS-4 (St. Louis, MO)	(314) 621-4444	
KSDK ? NBC-5 (St. Louis, MO)	(314) 421-5055	
Water Intakes		
Ashley Plant, Trigen St. Louis Energy Corp.	(314) 621-3550 x 2129 Emergency (314) 621-3550 x 2112	
Chain of Rocks Treatment Plant City of St. Louis, MO	(314) 868-5640 (314) 592-8240	
Illinois American Water Company (IAWC) East St. Louis, IL	(618) 239-3249	
Illinois American Water Company (IAWC) Granite City, IL	(618) 239-3249	
Wood River Regional Wastewater Treatment Facility (Wood River, IL)	(618) 251-3118* (618) 530-4074*	
Weather		
National Weather Service (Recorded Forecasts)	(636) 441-8467	
Wildlife Rehabilitation		
Tri-State Bird Rescue (Newark, DE)	(302) 737-9543	

FIGURE 3.1-5 - REPORTING REQUIREMENTS

AGENCY / ADDRESS	REPORTING REQUIREMENT

Illinois Environmental Protection Agency-Emergency Management Agency (SERC) 110 East Adams Springfield, IL 62701-1109	TYPE: Any discharge or sighting of oil, or hazardous substance exceeding an RQ VERBAL: Immediately WRITTEN: As soon as practicable after the release
Illinois Workers Compensation Commission - Industrial Commission 4500 S. Sixth St. Frontage Road Springfield, IL 62703-5118	VERBAL: Immediately report all fatal accidental WRITTEN: Between the 15th and 25th day of the month report all non-fatal accidental injuries resulting in the loss of more than three scheduled work days. Reports are to be filed on forms furnished by the Commission.
Madison County Emergency Management LEPC 157 N. Main St., Suite 33 Edwardsville, IL 62025	TYPE: Any discharge or sighting of oil or hazardous substance exceeding an RQ. VERBAL: Immediately WRITTEN: As the agency may request, depending on circumstances
National Response Center c/o United States Coast Guard (G-OPF), 2100 2nd Street Southwest - Room 2611 Washington, D.C. 20593-0001	TYPE: Any discharge or sighting of oil, or hazardous substance exceeding an RQ VERBAL: Immediately or online at: http://www.phmsa.dot.gov/hazmat/incident-report Click on "report an incident online". NRC will respond within 30 minutes. WRITTEN: Not Required

FIGURE 3.1-5 - REPORTING REQUIREMENTS

AGENCY / ADDRESS	REPORTING REQUIREMENT
Occupational Safety And Health Administration (OSHA) 200 Constitution Avenue Washington, D.C. 20210	Per 29 CFR 1904.8, notify if there has been a fatality from a work related incident or the inpatient hospitalization of three (3) or more persons as a result of a work related incident. VERBAL: Immediately to OSHA. Report: Facility Name, Location and Time of Incident, Number of Fatalities/ Hospitalizations, Contact Person, Phone Number, Description of Incident. WRITTEN: As requested.
U.S. Coast Guard - Sector Upper Mississippi 1222 Spruce Street, Suite 7.103 St. Louis, MO 63103	TYPE: Immediately for all spills that impact or threaten navigable water or adjoining shoreline. VERBAL: Notification to the USCG is typically accomplished by the call to the NRC.

	WRITTEN: As the agency may request depending on circumstances.
U.S. Coast Guard MSU Chicago - Sector Lake Michigan, 9th District 215 West 83rd Street, Suite D Burr Ridge, IL 60527	TYPE: Immediately for all spills that impact or threaten navigable water or adjoining shoreline. VERBAL: USCG notification is typically accomplished by the call to the NRC. WRITTEN: As the agency may request depending on circumstances.
U.S. Dept. of Transportation - Information Resources Manager Office of Pipeline Safety Research and Special Programs Administration 400 Seventh Street Southwest, Room 2103 Washington, D.C. 20590-0001	TYPE: In addition to the reporting of accidents to the NRC, a written accident report (PHMSA Form 7000-1, provided in Appendix K) must be submitted for releases resulting in any of the following: 1. Explosion or fire not intentionally set by the operator. 2. Release of five gallons or more of hazardous liquid or carbon dioxide, except that no report is required for a release of less than five barrels resulting from a pipeline maintenance activity if the release is: a. not one described under the NRC?s reporting conditions. b. confined to the property or pipeline right-of-way; and c. cleaned up promptly. 3. Death of any person. 4. Personal injury necessitating hospitalization. 5. Estimated property damage, including cost of cleanup and recovery, value of lost product, and damage to the property of the operator or others, or both, exceeding $50,000. VERBAL: Call to the NRC meets the required verbal notification under DOT reporting requirement. WRITTEN: As soon as practicable, an accident meeting any of the above criteria must be reported on PHMSA Form 7000-1. The report must be sent to DOT no later than 30 days after the release. Changes or additions to the original report (PHMSA Form 7000-1) must be filed as a supplemental report within 30 days.

FIGURE 3.1-5 - REPORTING REQUIREMENTS

AGENCY / ADDRESS	REPORTING REQUIREMENT
U.S. Environmental Protection Agency - Region V 77 W. Jackson Blvd., 5th Floor Chicago, IL 60604	TYPE: Immediately for spills that impact or threaten navigable water or adjoining shoreline. VERBAL: EPA notification is typically accomplished by the call to the NRC. WRITTEN: In accordance with the applicable SPCC regulations, within 60 days for a spill in excess of 1,000 gallons (24 Bbls) in a single event or two spill events within a twelve month period

	into or upon navigable waters of the United States or adjoining shorelines. The written report should contain all of the elements listed in 40 CFR 112.4(a).As per RCRA regulations, a written report on the incident must be submitted to the Regional Administrator within 15 days from the date of the incident.The report must include: 1. Name, address, and telephone number of the owner or operator; 2. Name, address, and telephone number of the Facility; 3. Date, time, and type of incident (e.g., fire, explosion); 4. Name and quantity of material(s) involved; 5. The extent of injuries, if any; 6. An assessment of actual or potential hazards to human health or the environment, where this is applicable; and 7. Estimated quantity and disposition of recovered material that resulted from the incident.
U.S. Fish and Wildlife Service 1849 C Street NW Washington, D.C. 20240-0002	TYPE: Wildlife Protection / Rehabilitation. VERBAL: Immediately WRITTEN: As the agency may request depending on circumstances
Wood River Fire Department 501 East Edwardsville Road Wood River, IL 62095	TYPE: Any emergency that poses a fire threat or for any spill that leaves the Facility property VERBAL: Immediately WRITTEN: As the agency may request, depending on circumstances

SECTION 4 Last revised: July 2008

RESPONSE TEAM ORGANIZATION

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4.1 Response Structure

4.1.1 Asset Tactical Response Team (TRT)

Figure 4.1-1 - Typical TRT Organization

4.1.2 Incident Management Team (IMT)

Figure 4.1-2 - Typical IMT Organization

4.1.3 Business Support Team (BST)

Figure 4.1-3 - Typical Business Support Team Organization

4.1.4 Executive Support Team (EST)

4.2 Activation Procedures

Figure 4.2-1 - Incident Management Team Activation Procedure

4.3 Team Member Response Times

4.4 Unified Command

4.5 Qualified Individual (QI)

4.6 TRT and IMT Roles/Responsibility Description

- Incident Commander
- Deputy Incident Commander
- Safety Officer
- Security Officer
- Site Safety Officer
- Liaison Officer
- Information Officer
- Law Officer
- Operations Section Chief
- Staging Area Manager
- Planning Section Chief
- Technical Specialist
- Situation Unit Leader
- Logistics Section Chief
- Finance Section Chief

4.1 RESPONSE STRUCTURE

The Company's Incident Response Organization consists is based on three (3) functional tiers:

- Facility Tactical Response Team (TRT)
- Performance Unit and National BART Incident Management Team (IMT)
- Business Support Team (BST)
- Executive Support Team (EST)

Note: The TRT and IMT response personnel comprise the first tier of the BP response structure.

The teams are organized and respond in a manner consistent with the organizational and management principles of the Incident Command System (ICS):

- Common Terminology
- Manageable Span-of-Control
- Management by Objectives
- Consolidated Incident Action Plan
- Comprehensive Resource Management
- Establish Incident Facilities
- Integrated Communications

The incident management framework expands and contracts to fit all risks and all hazard response as well as incident size, ie average most probable, maximum most probable and worst case spills.

4.1.1 Asset Tactical Response Team (TRT)

The first BP person on-scene will function as the BP Incident Commander (IC) until relieved by an authorized supervisor of equal or higher training. The Terminal Manager or Pipeline Team Leader will typically assume and retain control of the response operations within control of the Asset. Transfer of Command and incident briefing will take place via face-to-face meeting.

The number of positions/personnel required to staff the Asset TRT will depend on the incident size and complexity. The IC is responsible for assigning ICS response roles to asset staff, and overall safety of all responders and communities while directing the response activities. The IC will also assume all the primary response positions until the duties can be delegated to other qualified personnel.

Led by an Incident Commander (IC) aka On-Scene Commander, the team is also composed of the following functional roles:

- Site Safety Officer
- Staging Area Manager
- Planning Section Chief
- Situation Unit Leader
- Operation Section Chief
- Logistics Section Chief
- Information/Liaison Officer

4.1.1 Asset Tactical Response Team (TRT), Continued

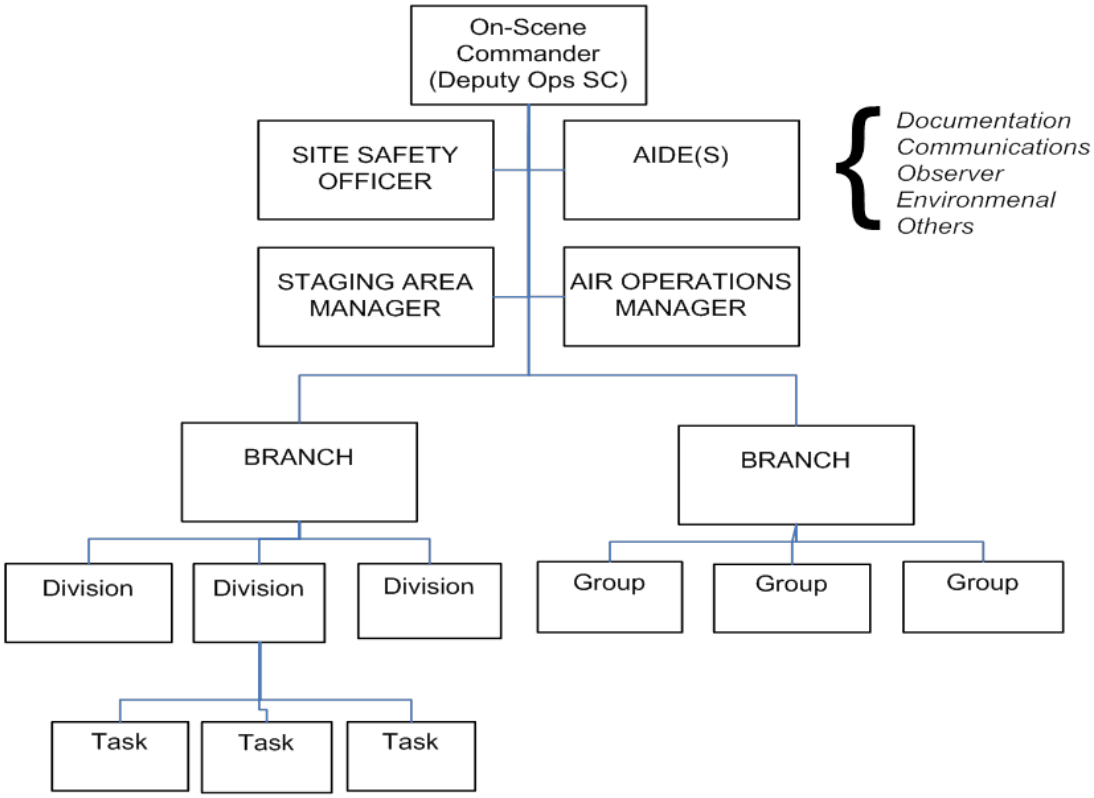
The TRT primary mission is to:

- Recognize emergency and control spill source (if applicable), if safe to do so
- Ensure safety of all responders and the community
- Evacuate, if necessary, and initiate/execute accountability processes (roll call)
- Initiate and execute Notifications of external agencies and internal stakeholders
    - Including 911, OSRO, Supervisor, NRC (See **SECTION 3**)
- Establish Unified Command (UC) with external responders
- Activate IMT, if local response resources are exhausted

The Asset Tactical Response Team organization is shown in **FIGURE 4.1-1**. Detailed role descriptions of the TRT response team positions are provided in **SECTION 4.6**. Note, if a full IMT is activated, the TRT will be integrated into the typical IMT Organization as shown in **FIGURE 4.1-2**.

FIGURE 4.1-1 - TYPICAL TRT ORGANIZATION

(Click to view larger)



BRANCH	Functional (e.g., source control, spill response, fire suppression, etc.) Organizational (e.g., BP, Police, Fire Department, etc.) Geographic
DIVISION	Geographic
GROUP	Functional
TASK	Work Specific (e.g., safety, security, SAR, mechanical recovery, etc.) For span-of control reasons, may be organized into Task Forces or Strike Teams

4.1.2 Incident Management Team (IMT)

The East of Rockies USPL Incident Management Team?s (IMT?s) role is to provide strategic direction to incident response operations; support tactical responders; address tasks best handled at the IMT level; and interface with and provide information to external parties and internal stakeholders. The organization chart depicted in **SECTION 4.6** contains generic positions. This organization can expand and contract to fit any size incident.

Led by an Incident Commander, the team is composed of the following functional components:

- **Command Staff (Officers)**
  General Staff (Chiefs)
  - Safety
    * Planning Section
  - Information
    * Operations Section
  - Liaison
    * Logistics Section
  - Law

* Finance Section
- Human Resource
- Security
- Deputy IC

The USPL IMT is comprised of BP employees and contractors to support a prolonged response, as necessary. Additional IMT response support is available via BP?s national response team, Mutual Response Team (BART), which comprised of employees from all of the North American business units. Response personnel support can be deployed to the USPL asset to provide manpower and expertise, to help respond and manage the incident.

The IMT primary mission is to:

- Ensure safety of all responders and the community.
- Form a Unified Command structure with local, state and federal agencies.
- Provide strategic direction to emergency response operations.
- Support tactical responders.
- Address tactical and/or crisis issues.
- Develop and maintain integrated communications with external parties and internal stakeholders.

The IMT functions include, but not limited to:

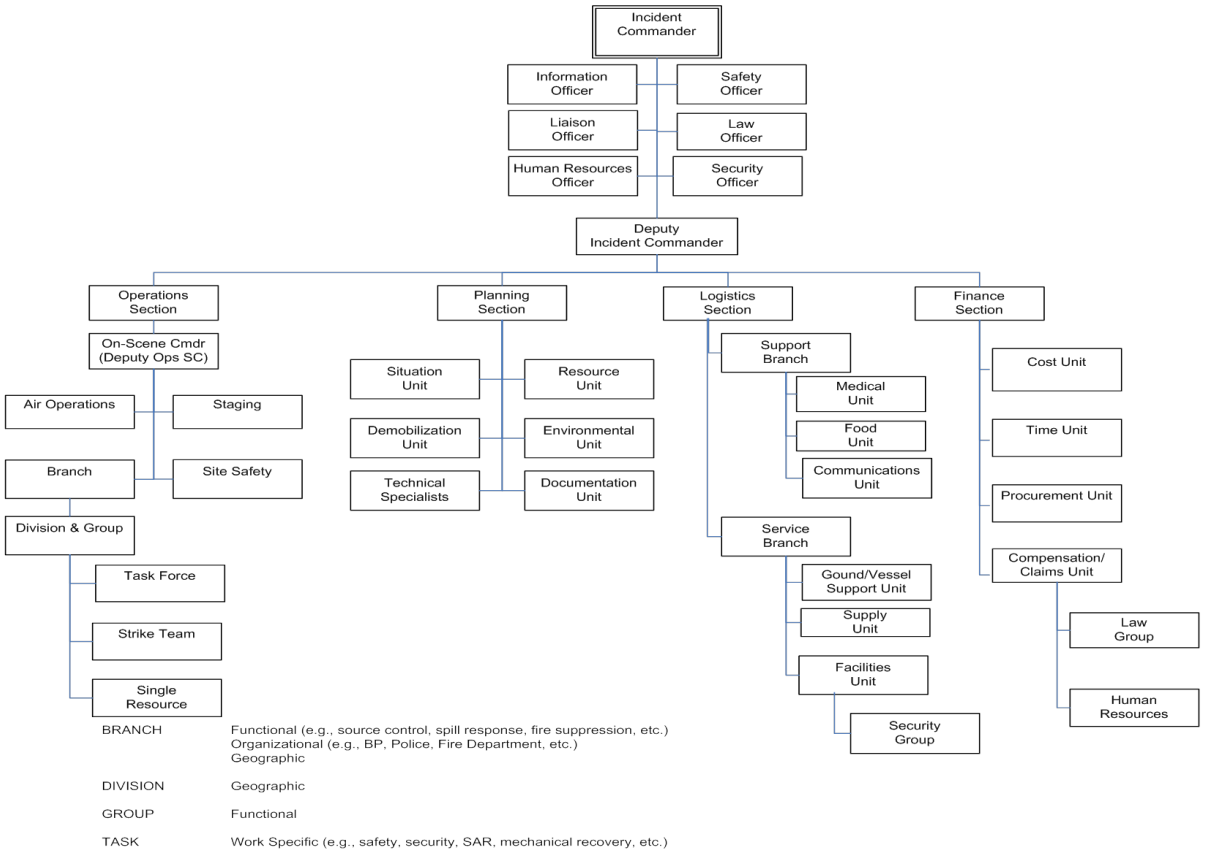
- Incident assessment (nature and status) of tactical response operations.
- Developing strategic objectives and response priorities.
- Securing the necessary resources to support tactical response operations.
- Working with the Asset Tactical Response Team (TRT) to develop Incident Action Plans describing field assignments for the next operational period.
- Instituting and enforcing appropriate financial controls.
- Continuously assessing incident potential to determine an incident's capacity to grow into a crisis situation.

The IMT organization is shown in **FIGURE 4.1-2**. Detailed role descriptions of the IMT response team positions are provided in **SECTION 4.6**.

FIGURE 4.1-2 - TYPICAL IMT ORGANIZATION

(Click to view larger)

SECTION 4 - RESPONSE TEAM ORGANIZATION



[redacted]

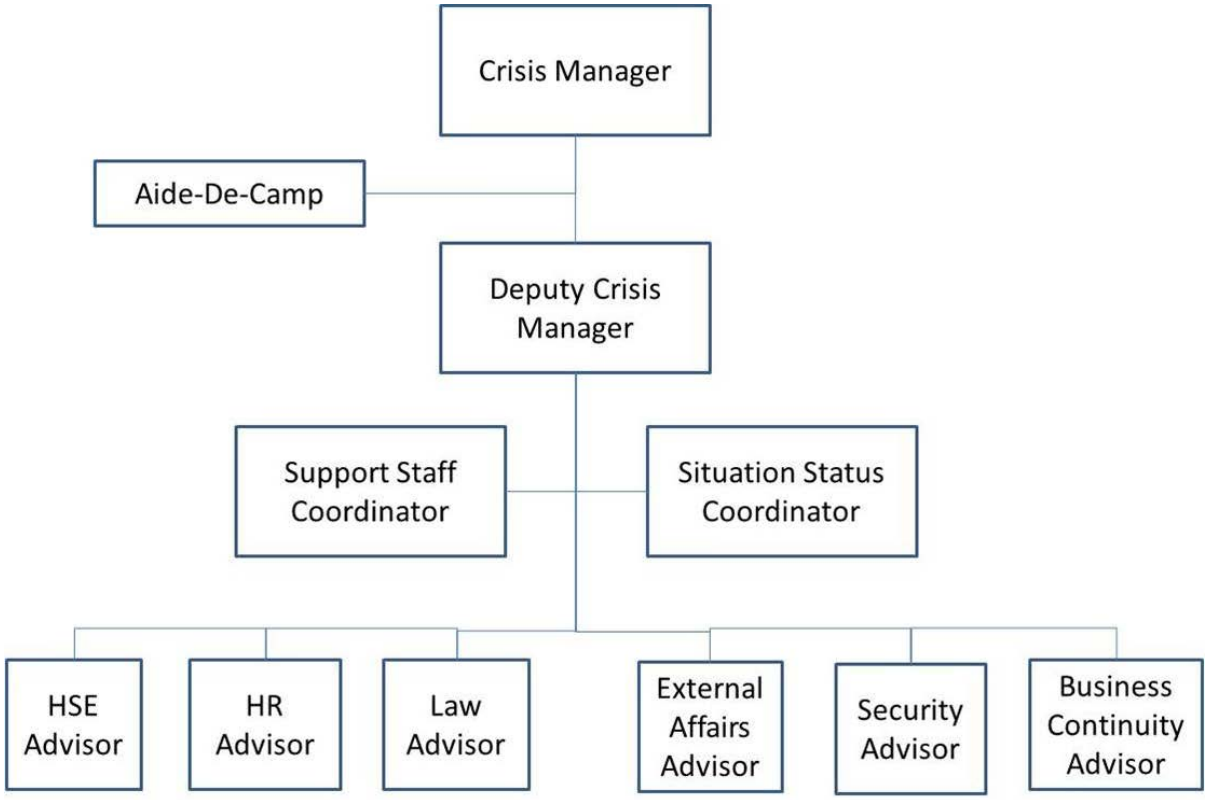
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-
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the process outlined in **SECTION 4.2** below. The Terminal Manager/Pipeline Team Leader (TM/TL) Incident Commander should provide a brief account of the incident facts, initial response efforts, agency and media involvement and Facility Tactical Response Team/IMT support needs (See **SECTION 5.2.1 - ICS 201**). A more detailed briefing can be provided to the BST later.

If the Crisis Manager determines a potential or actual crisis exists, the BST will be activated. The typical BST organization is shown in **FIGURE 4.1-3**.

FIGURE 4.1-3 - TYPICAL BUSINESS SUPPORT TEAM ORGANIZATION

(Click to view larger)



4.1.4 Executive Support Team (EST)

The BST Crisis Manager will communicate incident details to the Executive Support Team (EST) Leader. The EST has direct responsibility for managing any issues arising from the incident that could have Group-wide implications. These high-level concerns include the protection of the Group?s reputation, operability and viability. The team typically is comprised of senior executives. A typical organization chart for this team is out of scope of this response plan.

4.2 ACTIVATION PROCEDURES

Activation of appropriate Company response teams may be accomplished in stages depending on the incident size and complexity. If an incident has been discovered and it is determined by the Terminal Manager/Team Lead (TM/TL) Incident Commander that a response is warranted,

team activation proceeds as follows (see **FIGURE 3.1-1**):

- The Terminal Manager/Team Leader (TM/TL) Incident Commander is notified of an incident.
- TM/TL Incident Commander notifies the Area Manager (AM).
  - The TM/TL or any asset employee is empowered to activate additional internal and external response resources to manage the incident:
  - **Internal:** Calling the BP Notification Center (BPNC) or contacting the IMT Manager directly.
  - **External:** response resources are cited in **SECTION 3** of this plan.
- The AM continues the upward notification process (through appropriate levels of US Pipelines & Logistics management).
- The BPNC contacts the Emergency Preparedness / Crisis Management (EP/CM) Advisor.
- The Emergency Response/Crisis Manager (ER/CM) Coordinator is notified (via BPNC, TM/TL IC or AM). The ER/CM will coordinate directly with the Asset TRT to mobilize necessary response personnel support.
- If activated, all or any part of the IMT may be deployed to the Incident Command Post (ICP).
- TM/TL IC briefs IMT members, upon arrival at ICP.
- IC and Section Chiefs continually assess staffing needs and activates/demobilize response resources as dictated by response requirements.

FIGURE 4.2-1 - INCIDENT MANAGEMENT TEAM ACTIVATION PROCEDURE

(Click to view larger)

SECTION 5 Last revised: July 2013

INCIDENT PLANNING

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5.1 Documentation Procedures

5.2 ICS Forms

- 5.2.1 Incident Briefing Form - ICS 201 (Initial Report Only)
- 5.2.2 BP Initial Plan of Action (IPA)
- 5.2.3 Incident Action Plan (IAP) Table of Contents
- 5.2.4 Incident Action Plan (IAP) Cover Sheet
- 5.2.5 Incident Action Plan (IAP) Executive Summary
- 5.2.6 Objectives For General Plan
- 5.2.7 Objectives - ICS 202
- 5.2.8 Organization Assignment List - ICS 203
- 5.2.9 Field Assignment Change Sheet - ICS 204
- 5.2.10 Field Assignment - ICS 204a
- 5.2.11 Communications Plan - ICS 205
- 5.2.12 Medical Plan - ICS 206
- 5.2.13 Check-In List (Equipment / Personnel) - ICS 211

5.3 Site Safety and Health Plan

5.4 Decontamination Plan

5.5 Disposal Plan

5.6 Incident Security Plan

5.7 Demobilization Plan

5.8 Incident Potential Worksheet

5.1 DOCUMENTATION PROCEDURES

Documentation of a spill response provides a historical record, keeps management informed, serves as a legal instrument, and is a means to account for the clean-up costs.

Documentation should begin immediately upon spill notification and continue until termination of all operations. Documentation should include the following:

- Spill origin and characteristics;
- Sampling surveys;
- Photographic surveys;
- Climatological data;
- Labor and equipment accounting; and
- Copies of all logs, contracts, contacts, and plans prepared for the incident.

5.2 ICS FORMS

- **INCIDENT BRIEFING FORM - ICS 201 (Initial Report Only)**

  For use by the Command Staff to gather information on the Spill Management Team?s efforts to implement applicable response plans. Prepared by the initial Incident Commander (IC) for providing documentation of the initial response.

- **BP INITIAL PLAN OF ACTION (IPA)**

  For use by the Planning Section to plan each day?s response actions. This plan consists of the portions identified on the IAP cover page and must be approved by the Incident Commander, FOSC, and SOSC.

  The IPA consists of the following ICS forms:

  - **INCIDENT ACTION PLAN (IAP) COVER SHEET**

    For use in presenting initial information, signature approval, and table of contents of forms contained in the IAP.

  - **INCIDENT ACTION PLAN (IAP) EXECUTIVE SUMMARY**

    The Executive Summary communicates significant response issues during the current operational period, summarizing the daily activities for all sections in a brief format to Senior Managers, Administrators, Senior Agency Staff, and Civic Leaders.

  - **OBJECTIVES FOR GENERAL PLAN**

    Displays the progress and planned start and end dates for various incident response

activities.

- **OBJECTIVES - ICS 202**

  Describes the basic incident strategy, control objectives, and provides weather, tide, and current information, and safety considerations for use during the next operational period.

- **ORGANIZATION ASSIGNMENT LIST - ICS 203**

  Provides ICS personnel with information on the units that are currently activated and the names of personnel staffing each position/unit.

- **FIELD ASSIGNMENT CHANGE SHEET - ICS 204**

  Submits assignments at the level of Division and Groups.

- **FIELD ASSIGNMENT - ICS 204a**

  This form is an optional attachment, which can be used in conjunction with the Assignment List, ICS form 204-OS. The ICS 204-OS is used to give assignments to Divisions and Groups; the ICS form 204-a-OS provides more specific assignment information, when needed.

5.2 ICS FORMS, CONTINUED

- **COMMUNICATIONS PLAN - ICS 205**

  Is used to provide, in the location, information on all radio frequency assignments down to the Division/Group level for each operational period.

- **MEDICAL PLAN - ICS 206**

  Provides information on incident medical aid stations, transportation services, hospitals, and medical emergency procedures.

- **CHECK-IN LIST (EQUIPMENT / PERSONNEL) - ICS 211**

  This form is used for equipment and personnel check in only. Equipment arriving at the incident can be checked in at various incident locations. Personnel arriving at the incident can check in at various incident locations.

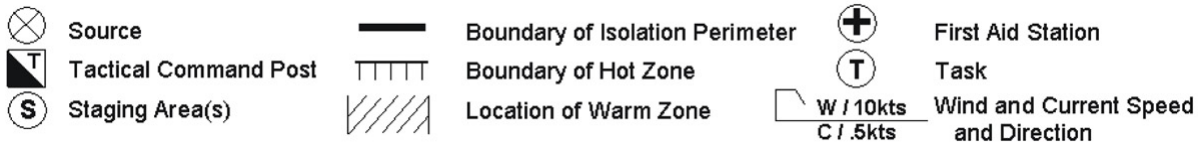
In addition, these Incident Command System (ICS) forms may be found on the U.S. Coast Guard web page: http://www.uscg.mil/ccs/cit/cim/forms1/form_ics.html.

5.2.1 Incident Briefing Form - ICS 201 (Initial Report Only)

1. Incident Name:	

2. Date / Time Prepared / Updated: _____

3.? Map Sketch



Staging Area(s)		Tasks		Weather	
S1		T1		Wind direction/Speed	
S2		T2		Temp	
S3		T3		Precipitation	
S4		T4		Tides	
S5		T5		Sunrise/Set	

Prepared by: _____ **Contact**

Phone _____

Radio _____

5.2.1 Incident Briefing Form - ICS 201 (Initial Report Only), Continued

SUMMARY OF INCIDENT AND CURRENT ACTIONS
INCIDENT BRIEFING ICS 201-2 (pg 2 of 6)

Incident Name:	**Date Prepared:**
Incident Location:	**Time Prepared:**

DESCRIPTION OF INCIDENT:

Date/Time: _____

What Happened: ☐ Fire ☐ Gas Leak ☐ Explosion ☐ Spill ☐ Medical ☐ HAZMAT ☐ Other

Extent of Impact: _____

Source: _____ Name/Type: _____

DESCRIPTION OF SPILLED/ EMITTED MATERIAL:

Type: _____ **Quantity:** _____

INCIDENT POTENTIAL:

☐ Incident Under Control.

☐ Incident currently not under control, but can be handled with available resources.

☐ Incident not under control and will require additional resources (e.g., contractors, mutual aid).

☐ Incident will likely generate significant public affairs/community relations issues.

SAFETY CONSIDERATIONS:

Injuries: _____ Fatalities: _____ Missing: _____

Chemical Hazards: _____

Physical Hazards: _____

Required PPE Level: _____

RESPONSE: GENERAL

PROBLEMS	SOLUTIONS

IMPACTS: ☐ Land ☐ People ☐ Property ☐ Environment ☐ Water ☐ Community

RESPONSE OBJECTIVES (MARK APPLICABLE):

☐ Ensure Safety of all responders and the Community from Incident Hazards

☐ Gain and maintain control over incident source (spill, fire, etc.)

☐ Minimize spread of spill or emitted materials

☐ Clean up impacted areas in an environmentally sound fashion (Spill, storm debris, etc.)

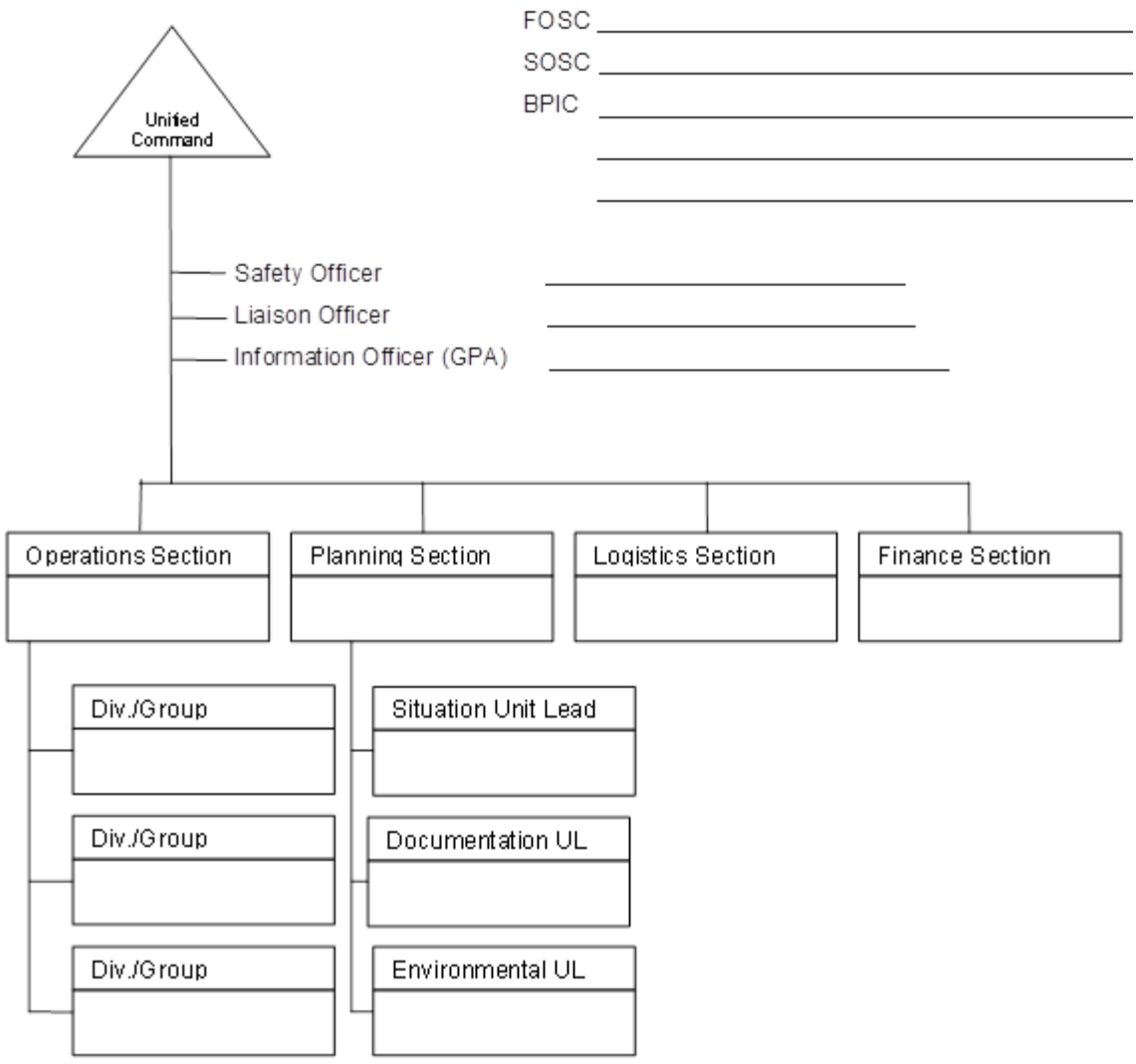
☐ Keep Internal and external stakeholders informed (Public, Leadership, agencies, etc.)

☐ Other		
Prepared By:	**ICS Position:**	**Phone:**

5.2.1 Incident Briefing Form - ICS 201 (Initial Report Only), Continued

1. Incident Name	**2. Prepared by** (name) Date: Time:	INCIDENT BRIEFING

3. Current Organization



INCIDENT BRIEFING	August 2012	ICS 201-3 (pg 3 of 6)

5.2.1 Incident Briefing Form - ICS 201 (Initial Report Only), Continued

Incident Name/Date Prepared:

_____

RESOURCE SUMMARY INCIDENT
BRIEFING ICS 201-4 (pg 4 of 6)

Resources (People and equipment)	Have (Place time in column)			Need	Destination / Location / Assignment
	En Route (ETA)	Staged/ Available	Assigned		
???????????					

The responses indicated on this worksheet reflect the preliminary views of the person filling out the worksheet based on the information available and known to that person as of the date and time shown and, as such, are subject to modification as additional information is obtained.

5.2.1 Incident Briefing Form - ICS 201 (Initial Report Only), Continued

SITE SAFETY AND CONTROLS	INCIDENT BRIEFING ICS 201-5 (pg 5 of 6)
	Date Prepared:
Incident Location:	**Time Prepared:**

Site Control

Has an on-scene Safety Officer been designated?		☐ Yes	☐ No	
Has an Incident Command Post been established?		☐ Yes	☐ No	
Have all personnel been accounted for? Injuries: __ Fatalities: __ Unaccounted: __		☐ Yes	☐ No	
Are people injured or trapped? (Attach Company Injury/Incident Report, as appropriate)		☐ Yes	☐ No	
Are untrained/unorganized people on-scene or involved in rescue operations?		☐ Yes	☐ No	
Has an Isolation Perimeter been established?		☐ Yes	☐ No	
Has a Staging Area been established?		☐ Yes	☐ No	
Has Site Access Control been established?		☐ Yes	☐ No	

Hazards

Have you determined the need for:

Air monitoring		☐ Yes	☐ No	
Onsite characterization		☐ Yes	☐ No	
Offsite characterization		☐ Yes	☐ No	

Are there immediate signs of potential hazards:

Markings, colors, placards, or labels indicating hazards?		☐ Yes	☐ No	
Unidentified liquid or solid products visible?		☐ Yes	☐ No	
Vapors visible? Color: _____		☐ Yes	☐ No	
Odors or smells?		☐ Yes	☐ No	
Spill area conditions:	☐ Dry	☐ Wet	☐ Icy	
Electrical lines down?		☐ Yes	☐ No	
Ignition sources nearby (sparks, flames, vehicles)?		☐ Yes	☐ No	
Physical hazards (holes, caverns, deep ditches, fast-moving water) nearby?		☐ Yes	☐ No	
Is local traffic a potential problem?		☐ Yes	☐ No	
As you approach the scene from the upwind side, are there changes in status of any of the above?		☐ Yes	☐ No	

Hazards Mitigation

Are TRT units safely positioned? Emergency escape route provided (see below)?	☐ Yes	☐ No
Have you established and communicated the location of Hazard Control Zones?	☐ Yes	☐ No
Have you identified PPE requirements and levels? A: ___ B: ___ C: ___ D: ___	☐ Yes	☐ No
Have you identified other safety equipment and procedures (see below)?	☐ Yes	☐ No
Are all entry operations following the "Two in / Two Out" guidelines?	☐ Yes	☐ No
Have you established EMS / Medical Stations?	☐ Yes	☐ No
Have you defined decontamination requirements (see below)?	☐ Yes	☐ No
Have you established decontamination facilities?	☐ Yes	☐ No

Remarks (list Emergency Escape Routes, Decon Requirements, Equipment, etc., as appropriate):

Prepared By:			**Approved By:**
Site Safety Officer	Date	Time	Incident Commander

5.2.1 Incident Briefing Form - ICS 201 (Initial Report Only), Continued

1. Incident Name	**2. Prepared by** (name) Date: Time:	INCIDENT BRIEFING

Summary of Current Actions

Time	Action/Note

Status of Source:
Status of Source Control Operations (including relief well planning, material procurement, and rig availability):
Spilled/Emitted Material (what, how much, location, predicted landfall - where, when):

On-scene Atmospheric and Oceanic Conditions:				
Wind Speed:	Wind Direction from:	Air temp:	Visibility:	Precipitation:
Sea Height:	Current Speed:	Current Direction:	Water Temp.:	Other:

Status of People (deaths, injuries, missing, evacuated, etc.):
Safety Considerations:
Locations of IMT EOC, TRT ICP, etc.:
Status of Unified Command (including integration of other responding organizations into IMT):

5.2.2 BP Initial Plan of Action (IPA), Continued

Status of Notifications			
Agency	**Contacted by**	**Time**	**Name of agency contact person**
National Response Center			
EPA			

Summary of Response Operations (including efforts to identify and protect sensitive areas):			
Status of Response Equipment:			
Number:	Type:	☐ Enroute	☐ Assigned
		☐ Staged	☐ Out-of-Service
Status of Efforts to Identify and Protect Sensitive Areas:			

5.2.3 Incident Action Plan (IAP) Table of Contents

1.? Contents		**2.? Page No.**
	Cover Page	
	Executive Summary	
	Incident Action Plan Objectives (ICS 202)	
	Organization Assignment List (ICS 203)	
	Field Assignments (ICS 204)	

	Radio Communications Plan (ICS 205)	
	Medical Emergency Plan (ICS 206)	
	Air Operations Plan (ICS 220)	
	Slick Location, Trajectory, Response Resource Map	
	Other Contents	

5.2.4 Incident Action Plan (IAP) Cover Sheet

1.?? Incident Name:			
2.?? Date Prepared:			
3.?? Operational Period Covered By Plan:			
State Time/Date:	**End Time/Date:**		
4.?? Approved By:			
5.?? Weather Forecast for Operational Period			
Wind Speed:	**Wind Direction:**		
Air Temperature:	**Precipitation:**	**Rain**	**Snow**
Ceiling:	**Visibility:**		
Wave Height	**Wave Direction:**		
Current Speed:	**Current Direction:**		
Water Temperature:	**River Stage:**		
Narrative Description of Weather Forecast:?			

6.?? Tides, Sunrise, Sunset						
	Time	Level	Time	Level		Time
High Tide(s)		(?)		(?)	Sunrise:	
Low Tide(s)		(?)		(?)	Sunset:	

5.2.5 Incident Action Plan (IAP) Executive Summary

1.?? Incident Name:	
2.?? Operational Period:	
State Time/Date:	End Time/Date:
3.? Incident Commander(s) for NOP:	
4.?? Objectives for the NOP	
Objective Nos.	How IAP Addresses Objectives
5.?? Summary of Major Changes for the NOP	

5.2.6 Objectives for General Plan

1.?? Incident Name:	
2.??? Objectives	
No.	**Objectives**
4.?? Approved By:	

5.2.7 Objectives - ICS 202

1. Incident Name:	
2.?Operational Period:	
Start Time/Date:	**End Time/Date:**
3. Objectives	

No.	Objectives

4.?Approved by:

5.2.8 Organization Assignment List - ICS 203

1.? Incident Name:

2.? Operational Period Covered by Plan:					
???? Start Time/Date:		**End Time/Date:**			
3.???? Command Section:		**4.??? Operations Section:**			
Incident Commander		Chief			
Unified Commanders		On-scene Commander			
Deputy		Site Safety Officer			
Safety Officer		Staging Area Manager			
Information Officer		Air Operations Manager			
Liaison Officer		Aide			
Law Officer		**a.??? Branch I:**			
Human Resources Officer		Director			
Security Officer		Division/Group			
5.???? Planning Section:		Division/Group			
Chief		Division/Group			
Resource Unit		Division/Group			
Situation Unit		**b.??? Branch II:**			
Documentation Unit		Director			
Demobilization Unit		Division/Group			
Health & Safety Unit		Division/Group			
Environmental Unit		Division/Group			
Technical Specialists		Division/Group			
6.???? Logistics Section:		**c.?? Branch III:**			
Chief		Director			
Service Branch		Division/Group			
Communications Unit		Division/Group			
Medical Unit		Division/Group			
Food Unit		Division/Group			
Support Branch		**d.??? Branch IV:**			
Supply Unit		Division/Group			
Facilities Unit		Division/Group			
Security Unit		Division/Group			
Transportation Unit		Division/Group			
7.???? Finance Section:		Division/Group			
Chief		**e.??? Branch V:**			
Time Unit		Director			
Procurement Unit		Division/Group			
Compensation/Claims Unit		Division/Group			

Cost Unit		Division/Group		
		Division/Group		

5.2.9 Field Assignment Change Sheet - ICS 204

1.?? Incident Name:		**2.?? Field Assignment No.**	
3.?? Change Number:	**Change Date:**	**Change Time:**	
4.?? Status of Change:	**Draft**	**Final**	
5.?? Contact Person:		**Position:**	
6.?? Portion(s) of Assignment Changed			
? ☐ Operational Period		? ☐ Team Leader	
? ☐ Task		? ☐ Number of Personnel	
? ☐ Division or Group Designation		? ☐ Schedule	
? ☐ Objective		? ☐ Safety Message	
? ☐ Description of Work		? ☐ Environmental Message	
? ☐ Management		? ☐ Diagram or Map	
? ☐ Equipment			
Description of Change(s)			
7.?? Approved by:		**Time/Date:**	

5.2.10 Field Assignment - ICS 204a

1.? Incident Name:		**2.? Field Assignment No.:**	
3.? Status of Assignment:	Draft		Final
4.? Operational Period:	Current		Next
???? **Start Time/Date**		**End Time/Date**	
5.? Task:		**6.? Division/Group:**	
7.? Objective:			
8.? Description of Work:			
			9.? Diagram:? ☐ Yes ? ☐ No
10.? Management			

Position	Person	Communications
Section Chief		
Branch Director		
Division/Group Supervisor		
Task Leader		

11.? Resources

Qty.	Single Resource/Strike Team/Task Force	Leader	No. of Personnel

12.? Schedule:	**Start Time:**	**Finish Time:**
13.? Attachments:	☐ Change Sheet	☐ Environmental Message
	☐ Safety Message	☐ Other (Specify)
14.? Approved by:		**Time/Date:**

5.2.11 Communications Plan - ICS 205

1.?? Incident Name:				
2.?? Operational Period Covered by Plan:				
Start Time/Date:			**End Time/Date:**	
3.?? Command Network				
Source	**Frequency**	**Channel**	**Phone/Fax No.**	**Assignment**
4.?? Tactical Network				
Source	**Frequency**	**Channel**	**Phone/Fax No.**	**Assignment**
5.?? Supply Network				
Source	**Frequency**	**Channel**	**Phone/Fax No.**	**Assignment**
6.?? Other Networks (e.g., Source Control, Crisis, etc.)				
Source	**Frequency**	**Channel**	**Phone/Fax No.**	**Assignment**
7.?? Approved by:????????????????????????????????			**Time/Date:**	

5.2.12 Medical Plan - ICS 206

1.?? Incident Name:		
2.?? Operational Period Covered by Plan:		
Start Time/Date:	**End Time/Date:**	
3.?? First Aid Station(s)		
Location	**Division/Group(s) Served**	**Radio/Phone**
4.?? Ground Ambulance Service(s)		
Location	**Division/Group(s) Served**	**Radio/Phone**
5.?? Air Ambulance Service(s)		
Location	**Division/Group(s) Served**	**Radio/Phone**
6.?? Hospitals and Treatment Facilities		
Location	**Division/Group(s) Served**	**Radio/Phone**
7.?? Summary of Medical Emergency Procedures		
8.?? Approved by:??????????????????????????????????	**Time/Date:**	

5.2.13 Check-In List (Equipment / Personnel) - ICS 211

1.??? Incident Name:						
2.??? Check-In Location:						
3.??? Time/Date Of Report:						
4.??? Recording Person:						
5.? Equipment		**6.? Personnel**		**7.? Time/ Date In**	**8.? Time/ Date Out**	**9. ?Comments**
Qty	**Kind/Type**	**Qty**	**Category**			

5.3 SITE SAFETY AND HEALTH PLAN

1. PROJECT OBJECTIVE			
Prepared by:		Date:	
Overall Objective of Project:			

2. SITE DESCRIPTION

Date:		Sector:	
Business Unit:			
Name of Facility:			
Location (Road, City):			

Potential Hazards (Y / N):				
		Excavations, Trenches, and/or Confined Spaces		
		Hazardous Vapors and Gases		
		Direct Exposure to Hazardous Material		
		Dust and Particulates		
		Environmental Hazards (Rain, Snow, Cold, Heat)		
		Equipment Hazards		
		Other:		
		Other:		
		Other:		

Area Affected: (Describe the area including approximate dimensions.? Attach Site Map)

Surrounding Population (Y/N):			
		Urban	
		Suburban	
		Rural	
		Industrial	

Distance to Nearest Population:	

5.3 SITE SAFETY AND HEALTH PLAN, CONTINUED

Topography: (Describe terrain)					
sandy beach	rocky	cliffs	marshes	docks	other (explain)

Climate/Weather Conditions:

	Present	Anticipated
Winds		
Temp ?F		
Humidity		
% Rain		
Seas		
Comments		

3. BACKGROUND INFORMATION

Background information:? (Include date, range of site use, source of contamination, estimated extent of contamination, known and suspected contaminants, etc.)

4. ENTRY OBJECTIVES

Entry Objectives:? (Fully describe the purpose of site visit(s).? If multiple visits, indicate the objectives of each entry.? The number and types of samples should be included if sampling is to be performed).? All work shall be conducted in accordance with procedures established during pre-entry briefings and attached work plans.? A work plan is attached as Item 10.

5.3 SITE SAFETY AND HEALTH PLAN, CONTINUED

5. PERSONNEL ROLES	
BP Pipelines, N.A. Personnel:	
Key Personnel	Title / Responsibilities
	On-Scene Commander (OSC)
	Site Safety & Health Plan Officer (SSO)
	Contractor Supervisor (CS)
	GPA

Federal Agency Representatives:		
Name	Agency	Phone

State Agency Representatives:		
Name	Agency	Phone

Local Agency Representatives:		
Name	Agency	Phone

5.3 SITE SAFETY AND HEALTH PLAN, CONTINUED

(b) (7)(F)

[redacted]

5.3 SITE SAFETY AND HEALTH PLAN, CONTINUED

7. HAZARD EVALUATION

The following substance(s) are known to be on-site. The primary hazards of each are identified.

Product	Physical State [1]	Waste Characteristics [2]	Primary Hazard [3]

1. Liquid, solid, sludge, gas/vapor, other.

2. Corrosive, flammable, toxic, volatile, reactive, radioactive, carcinogen, other.

3. Toxic on inhalation or ingestion absorbed through skin, irritant to eyes, irritant to respiratory tract, irritant to skin, other.

Anticipated concentration and allowable exposure limits

Product	Anticipated Concentration	Full-Shift Exposure Limit	Short-Term Exposure Limit

NOTE: Include institution that establishes limit (e.g., OSHA, ACGIH, etc.).

Other Site Hazards (Y / N):	

		Heat	
		Cold	
		Confined Spaces	
		Heavy Equipment	
		Overhead / Underground Utilities	
		Bloodborne Pathogens	
		Poison Ivy	
		Insects:	
		Rodents:	
		Snakes:	
		Lighting:	
		Work Near Water:	
		Electrical Hazards:	
		Helicopters:	
		ATV's:	
		Others:	
		Others:	

	Others:	

5.3 SITE SAFETY AND HEALTH PLAN, CONTINUED

8. PERSONAL PROTECTIVE EQUIPMENT		
Based on evaluation of potential hazards, the following levels of personal protection have been designated for the applicable work areas and tasks.? See Health Hazard Information section on MSDS of product.		
Location	Job Function	Level of Protection

NOTE: Air monitoring equipment will be used to determine the need for appropriate PPE.

PPE - Levels of protection:

Level A:? To be selected when the greatest level of skin, respiratory, and eye protection is required.

Level B: The highest level of respiratory protection is necessary, but a lesser level of skin protection is needed.

Level C:? The concentration(s) and type(s) of airborne substance(s) is known and the criteria for using air purifying respirators are met.

Level D:? A work uniform affording minimal protection, used for nuisance contamination only.

Specific protective equipment for each level of protection is as follows:	

NOTE: No changes to the specified levels of protection shall be made without the approval of the Clean-Up Leader and Site Safety Officer.

5.3 SITE SAFETY AND HEALTH PLAN, CONTINUED

9.? ENVIRONMENTAL MONITORING
A direct reading instrument will be used to monitor organic vapor concentration. The instrument will be on while the workers approach the work area and readings will be taken during the following conditions: • Possibility of IDLH or flammable atmosphere has developed. • Indication that exposures may have risen over limits since prior monitoring. • Work begins on different portion of site. • Contaminants other than those previously identified are being handled. • Different type of operation is initiated. • Employees are handling leaking drums or containers. • Employees are working in areas with obvious liquid contamination.
If at any time a measurement of____ ppm or more above concentration is observed, the workers will retreat to a safe area and upgrade the level of protection to level ____. Monitoring will be continuous during times of respirator usage.? If at any time the concentration approaches ____ ppm greater than background, the work area will be evacuated immediately.

Combustible Gas Monitoring will be conducted by:	
Instrument(s) used will be:	
Calibration Frequency:	
Frequency of Monitoring:	
Location of Monitoring:	
Benzene/Xylene/Toluene monitoring will be conducted by:	
Instrument(s) used will be:	
Calibration Frequency:	
Frequency of Monitoring:	
Location of Monitoring:	

Other monitoring will be conducted by:	
Instrument(s) used will be:	
Calibration Frequency:	
Frequency of Monitoring:	
Location of Monitoring:	
NOTE: Monitoring results are attached to this report.	

5.3 SITE SAFETY AND HEALTH PLAN, CONTINUED

10.? ON-SITE WORK PLANS	
The field team will perform the following tasks:	
Team Member	Function

11.? SPECIAL INSTRUCTIONS

12.? COMMUNICATION PROCEDURES				
The following emergency signal indicates that there is an emergency situation:				
		Horn blasts		
		Siren		
		Alarm		
		Whistle		
		Other:		

In addition, the following standard hand signals will be used in case of failure of audible communications:

- Hand gripping throat????????? Þ Out of air, can't breathe
- Grip partner's wrist or both?? Þ Leave area immediately hands around waist
- Hands on top of head????????? ?Þ Need assistance

- Thumbs up?????????????????????? ?Þ OK, I understand
- Thumbs down???????????????????? ?Þ No, negative

13.? DECONTAMINATION PROCEDURES

Personnel and equipment leaving the work area shall be thoroughly decontaminated.? Soiled boots and clothing will be removed before entering transport vehicle. Disposable items (e.g., gloves, rags) will be disposed of on-site in a manner consistent with facility operatives / work plan.

If non-disposable items will be used on-site, then describe decon procedure:

5.3 SITE SAFETY AND HEALTH PLAN, CONTINUED

14.? EMERGENCY PROCEDURES

The following standard emergency procedure will be used by on-site personnel:? The Site Safety Officer shall be notified of any on-site emergencies and will be responsible for ensuring that the appropriate procedures are followed:

Personnel injury in the Support Zone - Upon notification of an injury in the support zone, the Clean-Up Unit Leader and Site Safety Officer will assess the nature of the injury.? If the cause of the injury or loss of the injured person does not affect the performance of site personnel, operations may continue, with the Clean-Up Unit Leader and Site Safety Officer initiating the appropriate first aid and necessary follow-up as stated above. ?If the injury increases the risk to others, all site personnel shall be assembled in a given area for further instructions.? Activities on-site will stop until the added risk is removed or minimized.

Fire/Explosion - Upon notification of a fire or explosion on-site, all site personnel will be assembled at the decontamination line.? The fire department shall be alerted and all personnel moved to a safe distance from the involved area.

Personal Protective Equipment Failure - If any worker experiences a failure or alteration of protective equipment that affects the protection factor, that person and his/her buddy shall immediately leave the affected area.? Reentry shall not be permitted until the equipment has been repaired or replaced.

Other Equipment Failure - If any other equipment on-site fails to operate properly, the Clean-Up Unit Leader and Site Safety Officer shall be notified and then determine the effect of this failure on continuing operations on site.? If the failure affects the safety of personnel or prevents completion of the Work Plan tasks, all personnel shall leave the area until the situation is evaluated and appropriate actions taken.

IN ALL SITUATIONS, WHEN AN ON-SITE EMERGENCY RESULTS IN EVACUATION OF THE WORK AREA, PERSONNEL SHALL NOT REENTER UNTIL:

1. The conditions resulting in the emergency have been corrected.

2. The hazards have been reassessed. 3. The Site Safety Plan has been reviewed. 4. Site personnel have been briefed on any change in the Site Safety Plan.
An exit route will be used in an emergency restricting the use of the main entrance.? Location of the Emergency Exit Route (See Site Map):
In the event of an accidental release, fire or explosion or the sounding of the emergency signal, workers will evacuate the work area and assemble in the designated location. Location of Designated Assembly Area (See Site Map):

5.3 SITE SAFETY AND HEALTH PLAN, CONTINUED

15.? SITE SAFETY PLAN			
Site Safety Officer(s):			
The Site Safety Officer is directly responsible for safety recommendations on site.? He/She will maintain daily site logs documenting all notable events and/or conditions of health and safety concerns.			
Emergency Medical Care:			
	Qualified Medical personnel are located on site (Y/N):		
	If there are qualified Medical personnel located on-site, then identify location (See Site Map):		
	Phone Number:		
	Radio Frequency:		
Medical Surveillance:			
In accordance with 29 CFR 1910.120 (f), the employees/contractors involved in this project have been examined by a physician trained in occupational medicine, for the purpose of determining fitness with respect to handling hazardous materials and wearing personal protective equipment.? The results of the examination indicate that these employees/contractors are physically capable and qualified to work under conditions described in this plan, without risk to personal health and safety.			
Emergency Resources:			
	Command Post: ?????????????Phone Number:		
	Safety Officer:???????????		

?????????? Phone Number: ???????????????????? Fax: ???????????????????? Cellular: ???????????????????? Pager: ???????????????????? Home:	_____ _____ _____ _____? _____	

NOTE: Telephone communication to the Command Post should be established as soon as practical.

Site Resources:		
Telephone	Y/N	Comments
Radio		
Electricity		
Illumination		
Sanitation		
Water Supply		
Water Supply		
Designated First Aid/CPR On-Site Provider		
Other:		
Other		

5.3 SITE SAFETY AND HEALTH PLAN, CONTINUED

15. SITE SAFETY PLAN, CONTINUED	
Local Resources:	
	Phone Number
Ambulance	
Hospital Emergency Room	
Sheriff	
Police	
State Police	
Fire Department	
Airport/Helicopter	
EPA Contact	
U. S. Coast Guard Contact	
M.M.S. Contact	
Claims	
Other:	

	Other:	

Emergency Medical Information For Substances Present:			
	Substance	Exposure Symptoms	First-Aid

16.? TRAINING CERTIFICATION
The Site Safety Officer will ensure that all employees have the appropriate training/certification as per 29 CFR 1910.120 (8) (e).

5.4 DECONTAMINATION PLAN

Incident Name:	Location:
Effective Date of Plan:	Effective Time Period of Plan:
Spill Location:	Plan Prepared By:

- Work Zones:
    - Support (cold) zone
    - Contamination reduction (warm) zone
    - Exclusion (hot) zone

  These zones are identified by signs, barrier tape, or other means. Decontamination is performed in the contamination reduction zone. When responders exit the exclusion zone, they must be decontaminated.

  Crews are available to assist in decontamination procedures, as needed. The crews must wear appropriate personal protective equipment (PPE) and are responsible for packaging and labeling of contaminated PPE.

- Decontamination Stations:

  Decontamination is performed within the contamination reduction zone, which is appropriately lined to prevent the spread of contaminants. Dikes are installed under the lining to contain runoff.

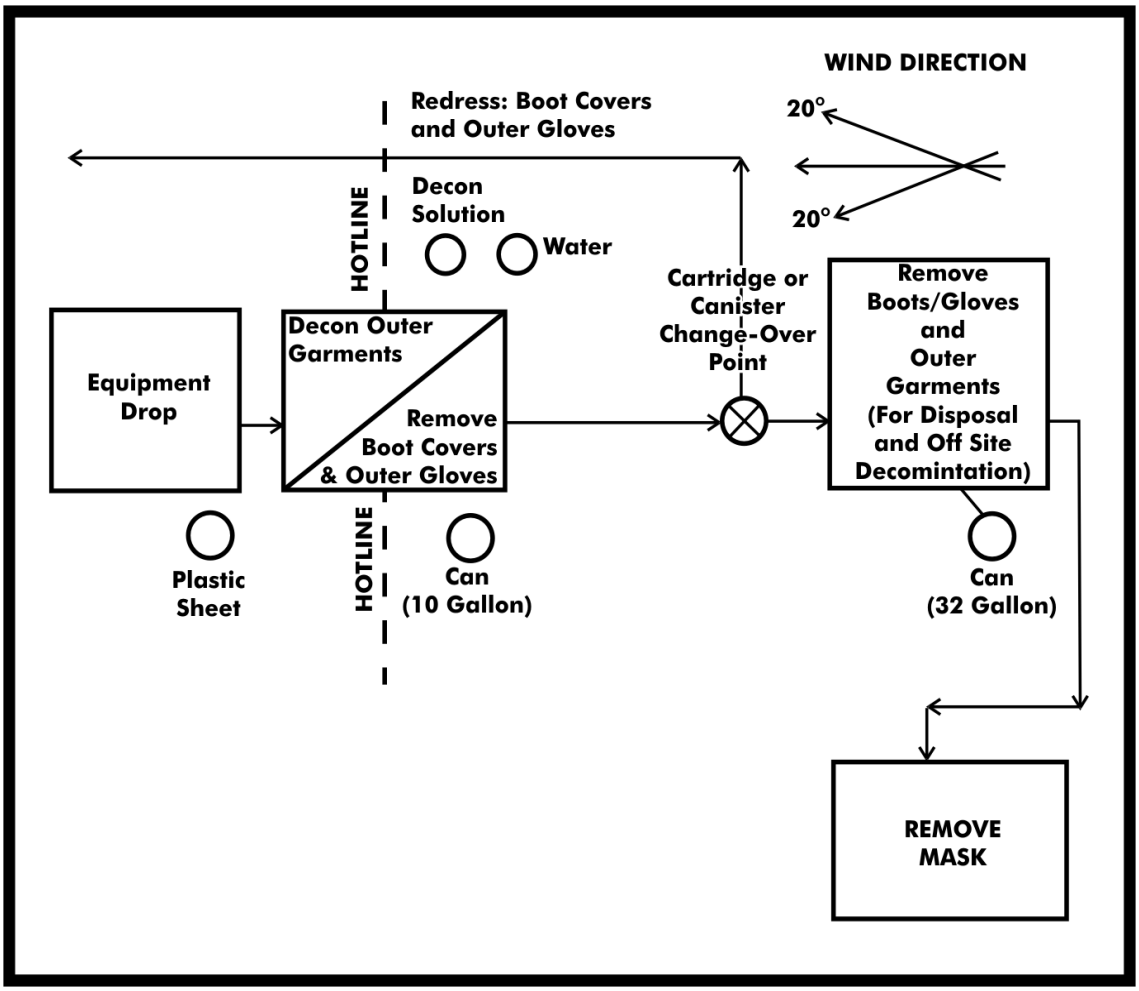
5.4 DECONTAMINATION PLAN, CONTINUED

MINIMUM MEASURES FOR DECONTAMINATION		
STATION 1	Equipment drop	Deposit equipment used on site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths. Segregation at the drop reduces the probability of

		cross contamination. During hot weather operations, a cool down station may be set up within this area.
STATION 2	Outer garment, boots and gloves wash and rinse	Scrub outer boots, outer gloves, and splash suit with decontamination solution or detergent and water. Rinse off using copious amounts of water.
STATION 3	Outer boot and glove removal	Remove outer boots and gloves. Deposit in container with plastic liner.
STATION 4	Canister or mask change	If worker leaves exclusion zone to change canister (or mask) or this is the last step in the decontamination procedures; worker's canister is exchanged, new outer gloves and boot covers are donned, joints are taped, the worker returns to duty.
STATION 5	Boot, gloves, and outer garment removal	Boots, chemical-resistant splash suit, inner gloves removed and deposited in separate containers lined with plastic.
STATION 6	Face piece removal	Face piece is removed. Avoid touching face with fingers. Face piece deposited on plastic sheet.
STATION 7	Field wash	Hands and face are thoroughly washed. Shower as soon as possible.

5.4 DECONTAMINATION PLAN, CONTINUED

DECONTAMINATION PROCEDURES, MINIMUM DECONTAMINATION LAYOUT



5.4 DECONTAMINATION PLAN, CONTINUED

Procedures for these stations are as follows:

MAXIMUM MEASURES FOR DECONTAMINATION		
STATION 1	Segregated equipment drop	Deposit equipment used on site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths or in different containers with plastic liners. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, a cool down station may be set up within this area.
STATION 2	Boot cover and glove wash	Scrub outer boot cover and gloves with decontamination solution or detergent and water.
STATION 3	Boot cover and glove rinse	Rinse off decontamination solution from Station 2 using copious amounts of water.
STATION 4	Tape removal	Remove tape around boots and gloves and deposit in container with plastic liner.
STATION 5	Boot cover removal	Remove boot covers and deposit in containers with plastic liner.

STATION 6	Outer glove removal	Remove outer gloves and deposit in container with plastic liner.
STATION 7	Suit and boot wash	Wash splash suit, gloves, and safety boots. Scrub with long-handled scrub brush and decontamination solution.
STATION 8	Suit and boot and glove rinse	Rinse off decontamination solution using water. Repeat as many times as necessary.
STATION 9	Canister or mask change	If worker leaves exclusion zone to change canister or this is the last step in the decontamination procedure; worker?s canister is exchanged, new outer gloves and boot covers are donned, joints are taped, and the worker returns to duty.
STATION 10	Safety boot removal	Remove safety boots and deposit in container with plastic liner.
STATION 11	Splash suit removal	With assistance of helper, remove splash suit. Deposit in container with plastic liner.
STATION 12	Inner glove wash	Wash inner gloves with decontamination solution.
STATION 13	Inner glove rinse	Rinse inner gloves with water.
STATION 14	Face piece removal	Remove face piece. Deposit in container with plastic liner. Avoid touching face with fingers.
STATION 15	Inner glove removal	Remove inner gloves and deposit in lined container.
STATION 16	Inner clothing removal	Remove clothing soaked with perspiration and place in lined container. Do not wear inner clothing off-site since there is a possibility that small amounts of contamination might have been transferred in removing the protective suit.

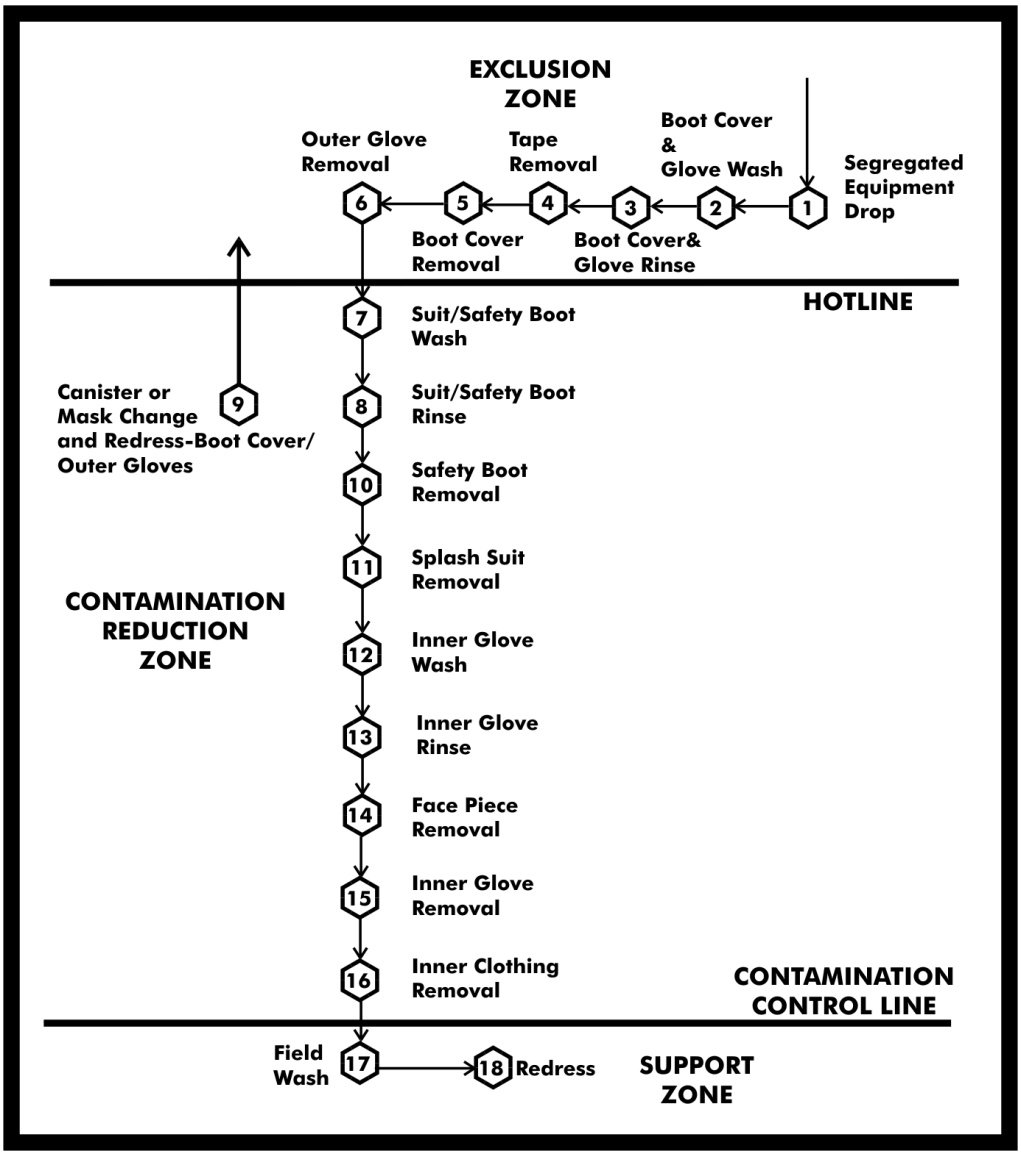
5.4 DECONTAMINATION PLAN, CONTINUED

Procedures for these stations are as follows:

MAXIMUM MEASURES FOR DECONTAMINATION		
STATION 17	Field wash	Shower if highly toxic, skin-corrosive or skin-absorbable materials are known or suspected to be present. Wash hands and face if shower is not available.
STATION 18	Re-dress	Put on clean clothes.

5.4 DECONTAMINATION PLAN, CONTINUED

DECONTAMINATION PROCEDURES, MAXIMUM DECONTAMINATION LAYOUT



5.5 DISPOSAL PLAN

Incident Name:	Incident Location:
Status As Of:	
Waste Name:	
Weather Conditions:	
State Agency:	
Agency Representative responsible for waste management/disposal:	
Phone:	
Injuiry made to obtain variance on:	
Individual contacted:	
Disposal Priorities	
Step One - Sample	

Oil Sample was extracted/sent for analysis on:		
Lab Name:		
Chain of Custody:	Relinquished By:	Received By:

Step Two - Option	Available	Most Likely
Natural Degradation or Dispersion		
Pit Burial		
Landfill		
Land Farms		
In-Situ Burning		
Open Pit Burning		
Portable Incineration		
Air Curtain Incineration		
Process Incineration		
Reprocessing		
Reclaiming		
Recycling		
Well Injection		

Locate Resources for Disposal:		
Percent Oil:		
Percent Solids:		
Percent Debris:		
Disposal Plan Page 1	1999-2000 dbSoft, Inc.	Printed by:

5.5 DISPOSAL PLAN, CONTINUED

Step Three - Information
Generator Name:
Generator USEPA ID:
Generator Address:
Technical Contact:
Properties and composition:
Process generating waste:
Waste Name:
Is USEPA Hazardous Waste:

Identify all USEPA listed and characterized waste code numbers (D,F,K,P,U):
State Waste Codes:
Step Four - Waste Storage and Transportation
Proposed shipping methods:
Transporter ID Number
Permit required:
Facility ID Number:
VN/NA:
Estimated storage capacity needed for disposal:
Type of storage needed:
Estimated quantity of each:
Local facilities for temporary storage:
Protective equipment:

Disposal Plan Page 2	1999-2000 dbSoft, Inc.	Printed by:

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5.7 DEMOBILIZATION PLAN

Incident name:	Location:
Effective date of plan:	Effective time period of plan:
Spill location:	Plan prepared by:

Demobilization procedures:

- Operations Section will determine which resources are ready for release from a specific collection site.
- The Planning Section will provide guidance on release priorities and demobilization recommendations.
- Information maintained by the Planning Section will be utilized to assist in the prioritization.
- Each incident will require a Decontamination Area.
- Decontaminated equipment will be returned to appropriate staging area for release or re-deployment.
- Transports for equipment will be required if remote from staging area.

- The Planning Section will document all demobilization and decontamination activities.
- Equipment designated for re-assignment will be mobilized to the appropriate staging area.
- The Division Supervisor will ensure a log is maintained documenting that proper decontamination procedures are performed for each piece of equipment.
- The Operations Section will ensure that redeployed personnel receive proper rest prior to returning to duty.
- The Planning Section Chief will monitor personnel redeployment activities to ensure number of hours worked is within acceptable guidelines.
- The Operations Section Chief must approve the Demobilization Plan before decontamination, release, or redeployment of any resources.

5.8 INCIDENT POTENTIAL WORKSHEET

Incident / Exercise Name: _____

Date / Time: _____

Completed By: _____

~ (Check marks or answers in ***BOLD ITALIC*** areas should trigger a crisis potential review by the BST) ~

☐ Please define the potential geographic area subject to potential impacts:

_____

_____

MAGNITUDE AND DURATION OF INCIDENT RESPONSE OPERATIONS	
Can the incident be managed solely by local personnel resources?	☐ Yes ☐ ***No***
Will emergency response operations continue around the clock?	☐ ***Yes*** ☐ No
Will emergency response operations go on for an extended period of time?	☐ ***Yes*** ☐ No ***How Long?*** _____
SOURCE	
Source?	☐ Known ☐ ***Unknown***
Source control status?	☐ Controlled ☐ ***Uncontrolled***
If the source is controlled, what is the potential for loss of	☐ Low ☐ ***Medium*** ☐

control?	***High***
Nature of uncontrolled source?	☐ Stabilized ☐ ***Growing***
Is special expertise needed to bring the source under control?	☐ ***Yes*** ☐ No
MATERIAL SPILLED / EMITTED	
Nature/hazards of material known?	Nature known: ☐ Yes ☐ ***No*** Hazards known: ☐ Yes ☐ ***No***
Nature of release?	☐ Batch ☐ ***Continuous***
Material contained or uncontained?	☐ Contained ☐ ***Uncontained***
If the material is contained, what is the potential for loss of containment?	☐ None ☐ Low ☐ ***Medium*** ☐ ***High***
Material in a moving waterway?	☐ ***Yes*** ☐ No
Material within or under ice?	☐ ***Yes*** ☐ No
Is special expertise needed to contain and recover the material?	☐ ***Yes*** ☐ No

5.8 INCIDENT POTENTIAL WORKSHEET, CONTINUED

HEALTH AND SAFETY	
Does the release area appear to pose an immediate danger to the life or health of any person or the environment?	☐ ***Yes*** ☐ No
Are there significant, ongoing short term or long term threats to personnel or public safety?	Personnel ☐ ***Yes*** ☐ No *If yes, term:* ☐ ***Short*** ☐ ***Long*** Public ☐ ***Yes*** ☐ No *If yes, term:* ☐ ***Short*** ☐ ***Long***
Are there people missing? How many? Affiliation? Likelihood of rescue/survival?	☐ ***Yes*** ☐ No _____ ☐ ***Employee*** ☐ ***Contractor*** ☐ ***Other*** _____ ☐ ***High*** ☐ ***Low*** ☐ ***Unkown***
Are any people injured? How many? Have the victims been identified? Affiliation? Nature and severity of injuries?	☐ ***Yes*** ☐ No _____ ☐ ***Yes*** ☐ ***No*** ☐ ***Employee*** ☐ ***Contractor*** ☐ ***Other*** _____ ☐ ***Not Life Threatening***

	☐ ***Life Threatening***
Have next-of-kin notifications been made?	☐ ***Yes*** ☐ ***No***
Are there any fatalities?	☐ ***Yes*** ☐ No
How many?	
Have the victims been identified?	☐ ***Yes*** ☐ ***No***
Affiliation?	☐ ***Employee*** ☐ ***Contractor*** ☐ ***Other*** _____
Have the bodies been removed from incident scene?	☐ ***Yes*** ☐ ***No***
Have next-of-kin been notified?	☐ ***Yes*** ☐ ***No***
Has any governmental authority declared the scene of the incident to be a crime scene?	☐ ***Yes*** ☐ No
HUMAN RESOURCES CONCERNS	
Do the responders need psychological support?	☐ ***Yes*** ☐ No
Do employees need psychological support?	☐ ***Yes*** ☐ No
Are there issues relating to compensation with response personnel?	☐ ***Yes*** ☐ No
Is there a need for family assistance for response personnel?	☐ ***Yes*** ☐ No

5.8 INCIDENT POTENTIAL WORKSHEET, CONTINUED

COMMUNITY IMPACTS	
Are communities impacted or threatened?	☐ ***Yes*** ☐ No
What is the nature / severity of the impact:	
Health and safety?	☐ ***Yes*** ☐ No
Social?	☐ ***Yes*** ☐ No
Cultural?	☐ ***Yes*** ☐ No
Economic?	☐ ***Yes*** ☐ No
Environmental?	☐ ***Yes*** ☐ No
What is the potential exposure to third party claims?	☐ None ☐ Minor (localized) ☐ ***Major (regional or beyond)***
What is the tenor of contacts with / from impacted / threatened communities?	☐ Cooperative ☐ ***Strained*** ☐ ***Antagonistic***
IMPACT ON NORMAL OPERATIONS< td>	
Has the incident caused a shutdown or curtailment of normal operations?	☐ ***Yes*** ☐ No; *If yes:* ☐ ***Shutdown*** ☐ ***Curtailment***
How long are the shutdown / curtailment likely to last?	
What is the estimate of lost production / throughput to pipeline?	_____ *bbls/day*
What impact will the shutdown / curtailment have on other	☐ None ☐ Minor (a few

operations?	days) ☐ ***Moderate (approx. a week)*** ☐ ***Severe***
ENVIRONMENTAL IMPACTS	
What is the potential magnitude of environmental impacts?	☐ Localized ☐ ***Widespread***
Are weather conditions likely to limit the ability to respond? **Please explain (research forecast):**	☐ ***Yes*** ☐ No
Is the incident likely to impact wildlife?	☐ ***Yes*** ☐ No *If yes:* ☐ Minor ☐ ***Major***
Are listed species / pre-identified sensitive areas impacted / threatened by the incident?	☐ ***Yes*** ☐ No
Are specialized resources needed to provide assistance in any of the following areas: Land access? Use of alternative technologies? Wildlife capture / rehabilitation? Waste management? Cleanup assessment? Natural resource damage assessment? Air quality monitoring? Water quality monitoring?	 ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No

5.8 INCIDENT POTENTIAL WORKSHEET, CONTINUED

EXTERNAL AFFAIRS	
Are there any required notifications yet to be made?	☐ Yes ☐ ***No***
Are government agencies willing to participate in Unified Command?	☐ Yes ☐ ***No***
Are government agencies willing, as appropriate, to integrate with BP's IMT?	☐ Yes ☐ ***No***
What is the tenor of interactions with / from government agencies?	☐ Cooperative ☐ ***Strained*** ☐ ***Antagonistic***
What level of media interest is the incident likely to generate?	☐ Low ☐ ***High***
Are representatives of the media present?	☐ ***Yes*** ☐ No
What is the volume of media inquiries?	☐ Low ☐ ***High***

What is the tenor of media inquiries?	☐ Cooperative ☐ ***Strained*** ☐ ***Antagonistic***
Can media inquiries be handled with local resources?	☐ Yes ☐ ***No***
Will a local Joint Information Center (JIC) have to be established?	☐ ***Yes*** ☐ No
LEGAL CONCERNS	
Has an IMT Law Officer arrived at the Incident Command Post?	☐ ***Yes*** ☐ No
Is legal assistance needed in any of the following areas: Accident investigation? Documentation? Contracts? Claims? Natural Resource Damage Assessment?	 ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No
FINANCIAL CONCERNS	
Is financial assistance needed in any of the following areas: Accounting? Cost tracking? Contracts? Audit? Claims? Insurance?	 ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No ☐ ***Yes*** ☐ No
Will there be a need to maintain cash accounts to support emergency response operations?	☐ ***Yes*** ☐ No
Are spending authorities adequate?	☐ Yes ☐ ***No***

5.8 INCIDENT POTENTIAL WORKSHEET, CONTINUED

Summary of Current Findings

Magnitude and Duration of Incident Response Operations: _____

Source: _____

Material Spilled/Emitted: _____

Health and Safety: _____

Human Resources Concerns:

Community Impacts:

Impact on Normal Operations:

Environmental Impacts:

External Affairs:

Legal Concerns:

Financial Concerns:

SECTION 6 Last revised: August 2013

SENSITIVE AREAS / RESPONSE TACTICS

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6.1 Area Description

6.2 Spill Containment / Recovery

Figure 6.2-1 - Response Tactics for Various Shorelines

6.3 Sensitive Area Protection

Figure 6.3-1 - Sensitive Area Protection Implementation Sequence

Figure 6.3-2 - Summary of Shoreline and Terrestrial Cleanup Techniques

6.4 Alternative Response Strategies

6.4.1 Dispersants

6.4.2 Bioremediation

6.4.3 In-Situ Burn

Figure 6.4-1 - Alternate Strategies Checklist

Figure 6.4-2 - Decision Guide for the Federal Bioremediation Approval Process

6.5 Wildlife Protection and Rehabilitation

6.6 Endangered and Threatened Species By State

6.7 Vulnerability Analysis

6.8 Sensitivity Maps

6.9 Tactical Sites

6.1 AREA DESCRIPTION

Description of shoreline types and specific shoreline protection and clean-up techniques are presented in **FIGURE 6.2-1 and FIGURE 6.3-2.** The strategies and response examples are guidelines and must be evaluated during the response to ensure that the selected response methods are appropriate for the situation.

Sensitivity maps are provided in **SECTION 6.8**.

6.2 SPILL CONTAINMENT / RECOVERY

Containment and recovery refer to techniques that can be employed to contain and recover terrestrial and aquatic petroleum spills.

Terrestrial spills typically result from pipeline or tank leaks. The Company is equipped with secondary containment systems for areas with non-pressurized breakout tanks. Spills occurring within the secondary containment area or along the pipeline areas should be contained at or near their source to minimize the size of the cleanup area and quantity of soil affected.

Containment is most effective when conducted near the source of the spill, where the oil has not spread over a large area and the contained oil is of sufficient thickness to allow effective recovery and/or cleanup. The feasibility of effectively implementing containment and recovery techniques is generally dependent upon the size of the spill, available logistical resources, implementation time, and environmental conditions or nature of the terrain in the spill area.

For terrestrial spills, trenches and earthen berms or other dams are most often used to contain oil migration on the ground surface. Recovery of free oil is best achieved by using pumps, vacuum sources, and/or sorbents.

Spills that reach water spread faster than those on land. They also have greater potential to contaminate water supplies, to affect wildlife and populated areas, and to impact manmade structures and human activities. Responses on water should therefore emphasize stopping the spill, containing the oil near its source, and protecting sensitive areas before they are impacted.

Sorbents are used to remove minor on water spills. For larger spills, booming is used to protect sensitive areas and to position oil so it can be removed with skimmers or vacuum trucks.

Due to entrainment, booming is not effective when the water moves faster than one knot or waves exceed 1.5 feet in height. Angling a boom will minimize entrainment. Using multiple, parallel booms will also improve recovery in adverse conditions. Given below is a summary of booming techniques.

Containment/Diversion Berming	• Berms are constructed ahead of advancing surface spills to contain spill or divert spill to a containment area. • May cause disturbance of soils and some increased soil penetration.

Blocking/Flow-Through Dams	• Construct dam in drainage course/stream bed to block and contain flow of spill. Cover with plastic sheeting. If water is flowing install inclined pipes during dam construction to pass water underneath dam. • May increase soil penetration.
Culvert Blocking	• Block culvert with plywood, sandbags, sediments, etc. to prevent oil from entering culvert.
Interception Trench	• Excavate ahead of advancing surface spill to contain spill and prevent further advancement; cover bottom and gradients with plastic. • May cause disturbance of soils and increased soil penetration.
Containment Booming	• Boom is deployed around free oil. • Boom may be anchored or left to move with the oil.
Diversion Booming	• Boom is deployed at an angle to the approaching oil. • Oil is diverted to a less sensitive area. • Diverted oil may cause heavy oil contamination to the shoreline downwind and down current. • Anchor points may cause minor disturbance to the environment.
Exclusion Booming	• Boom is placed around a sensitive area or across an inlet, a river mouth, a creek mouth, or a small bay. • Approaching oil is contained or deflected (diverted) by the boom. • Anchor points may cause minor disturbance to the environment.

6.2 SPILL CONTAINMENT / RECOVERY, CONTINUED

Sorbent Booming

- Used only on quiet water with minor oil contamination.
- Boom is anchored along a shoreline or used in a manner described above.
- May use boom made of sorbent material or may pack sorbent material between multiple booms placed parallel to each other.

Other cleanup methods include: natural recovery, manual removal/scraping, low-pressure flushing, warm water washing, and burning. Berms and dams are also used in shallow waterways to protect areas.

Cleanup methods are provided in the appropriate Area Contingency Plan (ACP), NOAA's "Shoreline Assessment Manual," and NOAA's "Options for Minimizing Environmental Impacts of Freshwater Spill Response." (See http://response.restoration.noaa.gov for the latter two.)

FIGURE 6.2-1 - RESPONSE TACTICS FOR VARIOUS SHORELINES

TYPES	DESCRIPTION	PREDICTED OIL IMPACT	RECOMMENDED CLEANUP ACTIVITY

Developed/ Unforested Land	• This class includes towns, cities, farms, pastures, fields, reclaimed wetlands, and other altered areas
	• Organisms and algae may be common in riprap structures and on pilings
		• Oil would percolate easily between the gravel and boulders of riprap structures
		• Oil would coat the intertidal areas of solid structures
		• Biota would be damaged or killed under heavy accumulations
			• May require high pressure spraying:
			  • To remove oil
			  • To prepare substrate for recolonization of barnacle and oyster communities
			  • For aesthetic reasons

Freshwater Flat	• Mud or organic deposits located along the shore or in shallow portions of nontidal freshwater lakes and ponds • They are exposed to low wave and current energy • They are often areas of heavy bird use	• Oil is expected to be deposited along the shoreline • Penetration of spilled oil into the water-saturated sediments of the flat will not occur • When sediments are contaminated, oil may persist for years	• These areas require high priority for protection against oil contamination • Cleanup of freshwater flats is nearly impossible because of soft substrate • Cleanup is usually not even considered because of the likelihood of mixing oil deeper into the sediments during the cleanup effort • Passive efforts, such as sorbent boom can be used to retain oil

			as it is naturally removed

Fresh Marsh	• Found along freshwater ponds and lakes
	• These marshes have various types of vegetative cover, including floating aquatic mats, vascular submerged vegetation, needle and broad-leaved deciduous scrubs and shrubs, and broad-leaved evergreen scrubs and shrubs
	• Birds and mammals extensively use fresh marshes for feeding and breeding purposes
		• Small amounts of oil will contaminate the outer marsh fringe only; natural removal by wave action can occur within months
		• Large spills will cover more area and may persist for decades
		• Oil, particularly the heavy fuel oils, tends to adhere readily to marsh grasses
			• Marshes require the highest priority for shoreline protection
			• Natural recovery is recommended when:
			  • A small extent of marsh is affected
			  • A small amount of oil impacts the marsh fringe
			• The preferred cleanup method is a combination of low-pressure flushing, sorption, and vacuum pumping performed from boats
			• Any cleanup activities should be supervised closely to avoid excessive disturbances of the marsh surface or roots
			• Oil wrack and other debris may be removed by hand

Swamp	• Swamps are freshwater wetlands having varying water depths with vegetation types ranging from shrubs and scrubs to poorly drained forested wetlands. Major vegetative types include: scrubs, shrubs, evergreen trees, and hardwood forested woodlands • Birds and mammals use swamps during feeding and breeding activities	• Even small amounts of spilled oil can spread through the swamp • Large spills will cover more area and may persist for decades since water-flushing rates are low • Oil, particularly the heavy fuel oils, will adhere to swamp vegetation • Unlike mangroves, the roots of swamp forest trees are not exposed; thus, little damage to trees is expected. Any underbrush	• No cleanup recommended under light conditions • Under moderate to heavy accumulations, to prevent chronic oil pollution of surrounding areas placement of sorbent along fringe swamp forest (to absorb oil as it is slowly released) may be effective under close scientific supervision • Proper strategic boom placement may be highly effective in trapping large quantities of oil, thus reducing oil impact to

		vegetation, however, would be severely impacted	interior swamp forests • Oil trapped by boom can be reclaimed through the use of skimmers and vacuums

FIGURE 6.2-1 - RESPONSE TACTICS FOR VARIOUS SHORELINES, CONTINUED

TYPES	DESCRIPTION	PREDICTED OIL IMPACT	RECOMMENDED CLEANUP ACTIVITY
Open Water	• Have ocean-like waves and currents • Weather changes effect on-water conditions • River mouths present problems • Thermal stratification occurs	• Most organisms are mobile enough to move out of the spill area • Aquatic birds are vulnerable to oiling • Human usage (such as transportation, water intakes, and recreational activities) may be restricted	• Booming, skimming, vacuuming, and natural recovery are the preferred cleanup methods • Should not use sorbents, containment booming, skimming, and vacuuming on gasoline spills • Cleanup options include physical herding, sorbents, and debris/vegetation removal
Large Rivers	• May have varying salinities, meandering channels, and high flow rates • May include manmade structures (such as dams and locks) • Water levels vary seasonally • Floods generate high suspended sediment and debris loads	• Fish and migratory birds are of great concern • Under flood conditions, may impact highly sensitive areas in floodplains • Human usage may be high • When sediments are contaminated, oil may persist for years	• Booming, skimming, and vacuuming are the preferred cleanup methods • Should not use sorbents, containment booming, skimming, and vacuuming on gasoline spills • Cleanup options include natural recovery, physical herding, sorbents, and debris/vegetation removal
Small Lakes and Ponds	• Water surface can be choppy • Water levels can fluctuate widely • May completely freeze in winter	• Wildlife and socioeconomic areas likely to be impacted • Wind will control the oil's distribution	• Booming, skimming, vacuuming, and sorbents are the preferred cleanup methods • Should not use

	Bottom sediments near the shore can be soft and muddy • Surrounding area may include wet meadows and marshes		containment booming, vacuuming, sorbents, and skimming on gasoline spills • Cleanup options include physical herding, sorbents, and debris/vegetation removal
Small Rivers and Streams	• Wide range of water bodies - fast flowing streams to slow moving bayous with low muddy banks and fringed with vegetation • May include waterfalls, rapids, log jams, mid-channel bars, and islands • Weathering rates may be slower because spreading and evaporation are restricted	• Usually contaminate both banks and the water column, exposing a large number of biota to being oiled • Water intakes for drinking water, irrigation, and industrial use likely to be impacted	• Booming, skimming, vacuuming, sorbents, barriers, and berms are the preferred cleanup methods • Should not use containment booming, sorbents, vacuuming, and skimming on gasoline spills • Cleanup options include physical herding, natural recovery, debris removal, vegetation removal, and in-situ burn

6.3 SENSITIVE AREA PROTECTION

Protection refers to the implementation of techniques or methods to prevent oil from making contact with a shoreline or aquatic area that is determined to be sensitive for environmental, economic, cultural, or human use reasons. Implementation of sensitive area protection techniques must consider a number of factors, such as sensitive features, priorities for areas to be protected, and potential degree of impact.

In the event a product spill reaches a major area waterway, it may be necessary to protect downstream sensitive areas if it appears that local containment and recovery efforts will not be sufficient to control the entire spill. Major waterways and specific sensitive areas located downstream of the facility are provided in SECTION 6.8. Information on booming strategies are provided in SECTION 6.9 and in the Geographic Response Plan in APPENDIX G.

FIGURE 6.3-1 - SENSITIVE AREA PROTECTION IMPLEMENTATION SEQUENCE



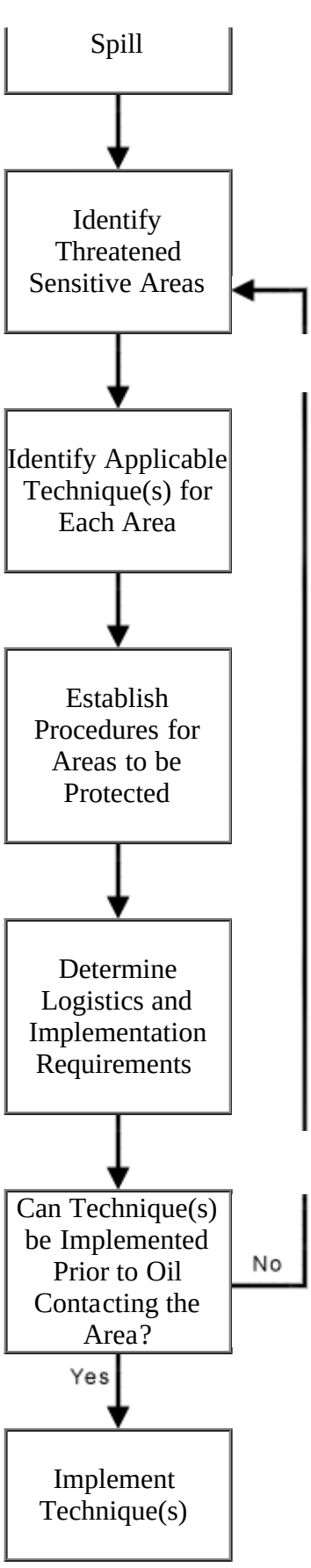


FIGURE 6.3-2 - SUMMARY OF SHORELINE AND TERRESTRIAL CLEANUP TECHNIQUES

TECHNIQUE	DESCRIPTION	RECOMMENDED EQUIPMENT	APPLICABILITY	POTENTIAL ENVIRONMENTAL EFFECTS
Removal				
1. Manual Removal	Hand tool (scrapers, wire brushes, shovels, cutting tools, wheel barrows, etc.) are used to scrape oil off surfaces or recover oiled sediments, vegetation, or debris where oil conditions are light or sporadic and/or access is limited.	Equipment misc. hand tools Personnel 10-20 workers	• Can be used on all habitat types • Light to moderate oiling conditions for stranded oil or heavy oils that have formed semi-solid to solid masses • In areas where roosting or birthing animals cannot or should not be disturbed	• Sediment disturbance and erosion potential
2. Mechanical Removal	Mechanical earthmoving equipment is used to remove oiled sediments and debris from heavily impacted areas with suitable access.	Equipment motor grader, backhoe, dump truck elevating scrapers Personnel 2-4 workers plus equipment operators	• On land, wherever surface sediments are accessible to heavy equipment • Large amounts of oiled materials	• Removes upper 2 to 12 inches of sediments
3. Sorbent Use	Sorbents are applied manually to oil accumulations, coatings, sheens, etc., to remove and recover the oil.	Equipment misc. hand tools misc. sorbents Personnel 2-10 workers	• Can be used on all habitat types • Free-floating oil close to shore or stranded on shore, secondary treatment method after gross oil removal	• Sediment disturbance and erosion potential • Trampling of vegetation and organisms • Foot traffic can work oil deeper into soft sediments

			Sensitive areas where access is restricted	
4. Vacuum/Pumps/ Skimmers	Pumps, vacuum trucks, skimmers are used to remove oil accumulations from land or relatively thick floating layers from the water.	Equipment 1-2 50- to 100-bbl vacuum trucks w/hoses 1-2 nozzle screens or skimmer heads Personnel 2-6 workers plus truck operators	• Can be used on all habitat types • Stranded oil on the substrate • Shoreline access points	• Typically does not remove all oil • Can remove some surface organisms, sediments, and vegetation
Washing				
5. Flooding	High volumes of water at low pressure are used to flood the oiled area to float oil off and out of sediments and back into the water or to a containment area where it can be recovered. Frequently used with flushing.	Equipment 1-5 100- to 200-gpm pumping systems 1 100-ft perforated header hose per system 1-2 200-ft containment booms per system 1 oil recovery device per systems Personnel 6-8 workers per system	• All shoreline types except steep intertidal areas • Heavily oiled areas where the oil is still fluid and adheres loosely to the substrate • Where oil has penetrated into gravel sediments • Used with other washing techniques	• Can impact clean downgradient areas • Can displace some surface organisms if present • Sediments transported into water can affect water quality

FIGURE 6.3-2 - SUMMARY OF SHORELINE AND TERRESTRIAL CLEANUP TECHNIQUES, CONTINUED

TECHNIQUE	DESCRIPTION	RECOMMENDED EQUIPMENT	APPLICABILITY	POTENTIAL ENVIRONMENTAL EFFECTS
Washing, Continued				
6. Flushing	Water streams at low to moderate pressure, and possibly elevated	Equipment 1-5 50- to 100-gpm/ 100-psi pumping systems with	• Substrates, riprap, and solid man-made	• Can impact clean downgradient areas

	temperatures, are used to remove oil from surface or near-surface sediments through agitation and direct contact. Oil is flushed back into the water or a collection point for subsequent recovery. May also be used to flush out oil trapped by shoreline or aquatic vegetation.	manifold 1-4 100-ft hoses and nozzles per system 1-2 200-ft containment booms per system 1 oil recovery device per system Personnel 8-10 workers per system	structures • Oil stranded onshore • Floating oil on shallow intertidal areas	• Will displace many surface organisms if present • Sediments transported into water can affect water quality • Hot water can be lethal to many organisms • Can increase oil penetration depth
7. Spot (High Pressure Washing)	High pressure water streams are used to remove oil coatings from hard surfaces in small areas where flushing is ineffective. Oil is directed back into water or collection point for subsequent recovery.	Equipment 1-5 1,200- to 4,000-psi units with hose and spray wand 1-2 100-ft containment booms per unit 1 oil recovery device per unit Personnel 2-4 workers per unit	• Bedrock, man-made structures, and gravel substrates • When low-pressure flushing is not effective • Directed water jet can remove oil from hard to reach sites	• Will remove most organisms if present • Can damage surface being cleaned • Can affect clean downgradient or nearby areas
In Situ				
8. Passive Collection	Sorbent/snare booms or other sorbent materials are anchored at the waterline adjacent to heavily oiled areas to contain and recover oil as it leaches from the sediments.	Equipment 1,000- to 2,000- ft sorbent/snare boom 200-400 stakes or anchor systems Personnel 4-10 workers	• All shoreline types • Calm wave action • Slow removal process	• Significant amounts of oil can remain on the shoreline for extended periods of time
9. Sediment Tilling	Mechanical equipment or hand tools are used to till lightly to	Equipment 1 tractor fitted with tines, dicer, ripper blades, etc. or 1-4 rototillers or	• Any sedimentary substrate that can support heavy	• Significant amounts of oil can remain on the shoreline for extended

	moderately oiled surface sediments to maximize natural degradation processes.	1 set of hand tools Personnel 2-10 workers	equipment • Sand and gravel beaches with subsurface oil • Where sediment is stained or lightly oiled • Were oil is stranded above normal high waterline	periods of time • Disturbs surface sediments and organisms

FIGURE 6.3-2 - SUMMARY OF SHORELINE AND TERRESTRIAL CLEANUP TECHNIQUES, CONTINUED

TECHNIQUE	DESCRIPTION	RECOMMENDED EQUIPMENT	APPLICABILITY	POTENTIAL ENVIRONMENTAL EFFECTS
In Situ, Continued				
10. In-Situ Bioremediation	Fertilizer is applied to lightly to moderately oiled areas to enhance microbial growth and subsequent biodegradation of oil.	Equipment 1-2 fertilizer applicators 1 tilling device if required Personnel 2-4 workers	• Any shoreline habitat type where nutrients are deficient • Moderate to heavily oiled substrates • After other techniques have been used to remove free product on lightly oiled shorelines • Where other techniques are destructive or ineffective	• Significant amounts of oil can remain on the shoreline for extended periods of time • Can disturb surface sediments and organisms
11. Log/Debris Burning	Oiled logs, driftwood, vegetation, and	Equipment 1 set of fire control equipment	• On most habitats except dry	• Heat may impact local near-surface

	debris are burned to minimize material handling and disposal requirements. Material should be stacked in tall piles and fans used to ensure a hot, clean burn.	2-4 fans 1 supply of combustion promoter Personnel 2-4 workers	muddy substrates where heat may impact the biological productivity of the habitat • Where heavily oiled items are difficult or impossible to move • Many potential applications on ice	organisms • Substantial smoke may be generated • Heat may impact adjacent vegetation
12. Natural Recovery	No action is taken and oil is allowed to degrade naturally.	None required	• All habitat types • When natural removal rates are fast • Degree of oiling is light • Access is severely restricted or dangerous to cleanup crews • When cleanup actions will do more harm than natural removal	• Oil may persist for significant periods of time • Remobilized oil or sheens may impact other areas • Higher probability of impacting wildlife

FIGURE 6.3-2 - SUMMARY OF SHORELINE AND TERRESTRIAL CLEANUP TECHNIQUES, CONTINUED

TECHNIQUE	DESCRIPTION	RECOMMENDED EQUIPMENT	APPLICABILITY	POTENTIAL ENVIRONMENTAL EFFECTS
In Situ, Continued				
13. Dispersants	Dispersants are used to reduce	Dispersants Boat or aircraft	• Water bodies with	• Use in shallow water could

	the oil/water interfacial tension thereby decreasing the energy needed for the slick to break into small particles and mix into the water column. Specially formulated products containing surface-active agents are sprayed from aircraft or boats onto the slick.		sufficient depth and volume for mixing and dilution • When the impact of the floating oil has been determined to be greater than the impact of dispersed oil on the water-column community	affect benthic resources • May adversely impact organisms in the upper 30 feet of the water column • Some water-surface and shoreline impacts could occur
1 - Per 1000 feet of shoreline or oiled area				

Cleanup methods are provided in the appropriate Area Contingency Plan (ACP), NOAA's "Shoreline Assessment Manual," and NOAA's "Options for Minimizing Environmental Impacts of Freshwater Spill Response." (See http://response.restoration.noaa.gov for the latter two.)

6.4 ALTERNATIVE RESPONSE STRATEGIES

Non-mechanical methods for cleanup operations could involve the use of chemical cleaning products or appropriate bioremediation products. A checklist for evaluating different alternate strategies is present in **FIGURE 6.4-1**.

6.4.1 Dispersants

The Area Contingency Plan does not allow the use of dispersants.

6.4.2 Bioremediation

Bioremediation is the process of stimulating the growth and activity of microorganisms such as bacteria and fungi that naturally feed on hydrocarbons. It is conducted as a means of accelerating the natural biodegradation rates of stranded or floating oil. Biodegradation is a natural process by which the above microorganism, in the presence of nutrients an oxygen, chemically breakdown hydrocarbons and other substances and produce by-products including carbon dioxide, water, biomass, and partially oxidized products.

Biodegradation, together with physical processes such as evaporation and dispersion, are the primary natural mechanisms for the removal of hydrocarbons (oil spills) from the environment. This process generally occurs at a very low rate but can often be enhanced by the application of nutrients such as nitrogen, phosphorus, potassium, and others.

There are, however, instances on open seas or shorelines where standard recovery or cleanup techniques are not practical or will result in significant environmental or physical impacts. In

these cases, bioremediation may be a viable response option and should be considered for use. **FIGURE 6.4-2** provides a federal decision guide for bioremediation consideration.

6.4.3 In-Situ Burn

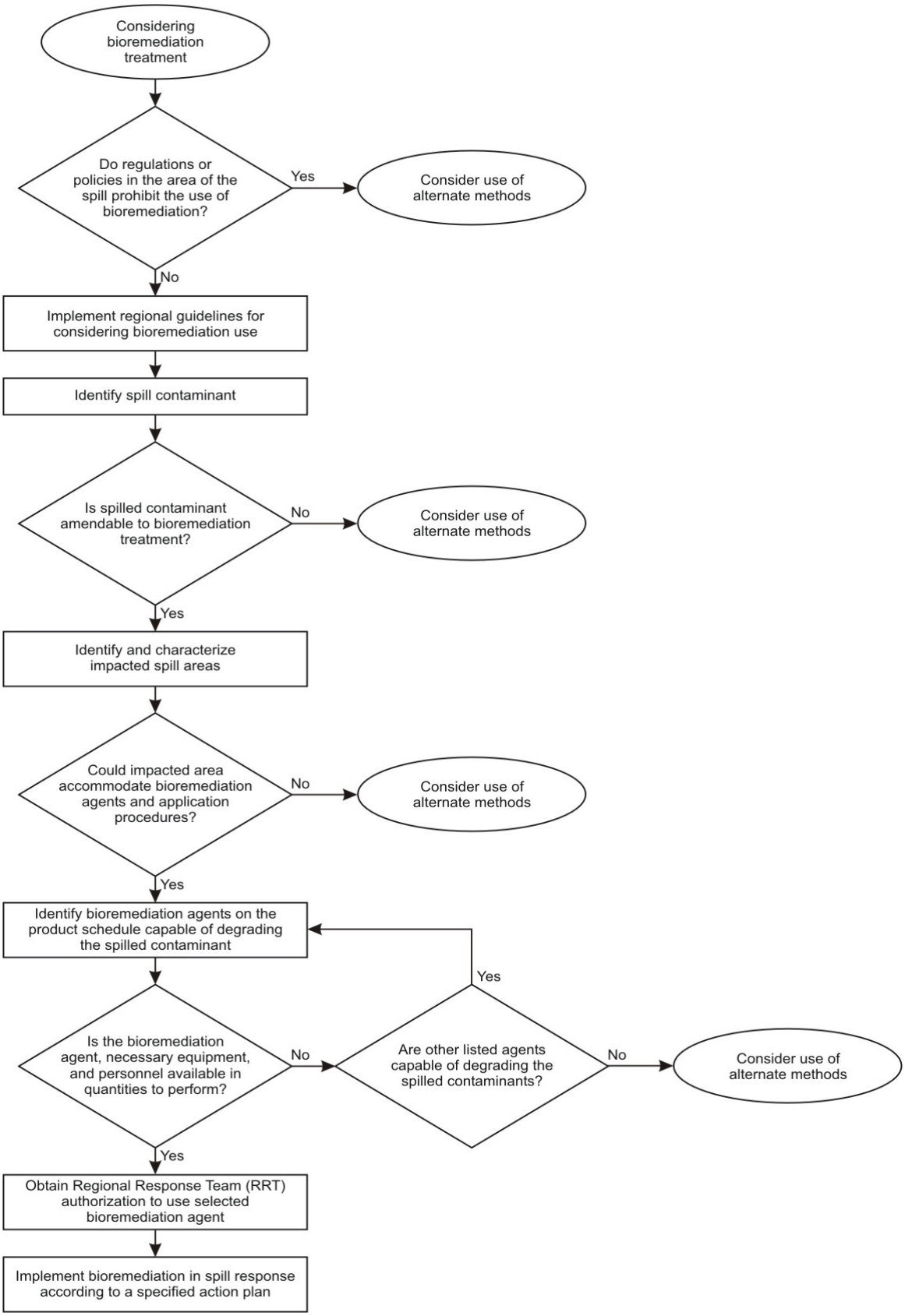
In-Situ burning has been successfully used as a viable technique for mitigating oil spills off shore and in a marsh type environment. This is especially true of areas that have mostly grassy vegetation with little or no woody vegetation. In a grassy marshland environment, an In-Situ burn may produce less long-term damage to the environment than traditional mechanical cleanup methods.

The Company will not use In-Situ Burn without the concurrence of the FOSC and the Regional Response Team (RRT).

FIGURE 6.4-1 - ALTERNATE STRATEGIES CHECKLIST

Evaluate Alternate Strategies (oil spills only)	Initials	Date & Time Started	Date & Time Completed
No response			
In-situ burning			
Flood and flush			
Bioremediation/nutrient application			
Dispersants/surfactants			
Gelling/solidifying agents			
Sorbents			
Mechanical recovery			

FIGURE 6.4-2 - DECISION GUIDE FOR THE FEDERAL BIOREMEDIATION APPROVAL PROCESS



6.5 WILDLIFE PROTECTION AND REHABILITATION

- The Company will support wildlife protection and rehabilitation efforts during the response, but will not typically directly manage these efforts.

- Company personnel will not attempt to rescue or clean affected wildlife, because such actions may cause harm to the individuals or may place the animals at further risk.
- Federal and state agencies responsible for wildlife capture and rehabilitation will typically coordinate capturing and rehabilitating oiled wildlife; a list of these agencies are included in **FIGURE 3.1-4**.
- Wildlife rehabilitation specialists may be utilized to assist in capturing and rehabilitating oiled animals as well as deterring unaffected animals away from the spill site.

6.6 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Milkweed, Mead's	*Asclepias meadii*	Dry or mesic prairies and igneous glades with rocky outcrops	T	Illinois
Amphipod, Illinois cave	*Gammarus acherondytes*	Riffle areas of cave streams that have a gravel substrate	E	Illinois
Bat, gray	*Myotis grisescens*	Caves and mines; rivers adjacent to forests	E	Illinois
Bat, Indiana	*Myotis sodalis*	Caves, mines, upland forests	E	Illinois
Butterfly, Karner blue	*Lycaeides melissa samuelis*	Pine barrens and oak savannas on sandy soils	E	Illinois
Clubshell Entire Range; Except where listed as Experimental Populations	*Pleurobema clava*	Medium to large rivers in gravel or mixed gravel and sand	E	Illinois
Dragonfly, Hine's emerald	*Somatochlora hineana*	Calcareous spring-fed marshes and sedge meadows overlaying dolomite bedrock	E	Illinois
Fanshell	*Cyprogenia stegaria*	Medium to large streams	E	Illinois
Higgins eye (pearlymussel)	*Lampsilis higginsii*	Substrates of mud with a mixture of gravel and stones	E	Illinois
Mucket, pink (pearlymussel)	*Lampsilis abrupta*	Sand and gravel substrates	E	Illinois

Pimpleback, orangefoot (pearlymussel)	*Plethobasus cooperianus*	Large rivers in sand, gravel, and cobble substrates	E	Illinois

T - Threatened
E - Endangered

6.6 ENDANGERED AND THREATENED SPECIES BY STATE, CONTINUED

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Plover, piping Great Lakes watershed	*Charadrius melodus*	Sandy beaches, islands	E	Illinois
Pocketbook, fat	*Potamilus capax*	Sand, mud, and fine gravel substrates	E	Illinois
Prairie-clover, leafy	*Dalea foliosa*	Thin-soiled limestone glades and limestone barrens	E	Illinois
Snail, Iowa Pleistocene	*Discus macclintocki*	Aquatic environment	E	Illinois
Sturgeon, pallid	*Scaphirhynchus albus*	Free-flowing riverine	E	Illinois
Tern, least interior pop.	*Sterna antillarum*	Open sandy or gravelly beach, dredge spoil and other open shoreline areas	E	Illinois
Aster, decurrent false	*Boltonia decurrens*	Moist, sandy soil and regular disturbance	T	Illinois
Bush-clover, prairie	*Lespedeza leptostachya*	Gravelly soil in dry to mesic praries	T	Illinois
Daisy, lakeside	*Hymenoxys herbacea*	Full sun in dry calcareous sites	T	Illinois
Orchid, eastern prairie fringed	*Platanthera leucophaea*	Mesic to wet praries	T	Illinois
Pogonia, small whorled	*Isotria medeoloides*	Acidic soils, in dry to mesic second-growth	T	Illinois

T - Threatened
E - Endangered

6.6 ENDANGERED AND THREATENED SPECIES BY STATE, CONTINUED

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE

Potato-bean, Price's	*Apios priceana*	Open, rocky, wooded slopes and floodplain edges	T	Illinois
Thistle, Pitcher's	*Cirsium pitcheri*	Shorelines of Lakes Michigan, Huron and Superior	T	Illinois

T - Threatened
E - Endangered

6.7 VULNERABILITY ANALYSIS

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6.7 VULNERABILITY ANALYSIS, CONTINUED

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6.7 VULNERABILITY ANALYSIS, CONTINUED

VULNERABILITY ANALYSIS (DETAILED)
Residential Areas:
The closest residential areas are located approximately 200 feet northeast (upgradient) and 1000 feet southwest (cross gradient) from the Facility. Although a spill is not expected to flow towards these residences, they may be within the evacuation zone for a worst-case discharge or other significant incident. In addition, there are residential areas along the Mississippi River downstream of the Facility. Additional information on residential areas downstream of the facility is depicted on the Geographic Response Plan in SECTION 6.8. The Company will work closely with local, county, and state emergency agencies (police, fire, etc.) to coordinate response actions for communities that may be impacted by a release.

6.7 VULNERABILITY ANALYSIS, CONTINUED

VULNERABILITY ANALYSIS (DETAILED)
Businesses:
The Terminal is located within a commercial / industrial area on the eastern bank of the Mississippi River. Oil and gas refineries and storage facilities are located around the Terminal, as well as other businesses are located in close proximity to the Terminal. Although a discharge is not expected to flow towards these businesses, they may be within the evacuation zone for a worst-case discharge or other significant incident. In addition, the Terminal may notify surrounding businesses the event of a serious incident Additionally, numerous businesses are located downstream of the Facility along the Mississippi River. In addition to the businesses with water intakes, listed above, these businesses include transportation, storage, shipping, and support businesses,

Depending upon product released and the actual or anticipated extent of impacts, evacuation of these businesses may be required or these businesses may be disrupted by response activities. In addition to the businesses along the Mississippi River, other businesses in the vicinity of the facility may be disrupted by a release or response activities.

Additional details on the general layout of businesses within the area of the Facility are included on the maps in SECTION 6.8.

The Company will work closely with local, county, and state emergency agencies (police, fire, etc.) to coordinate response actions for communities that may be impacted by a release.

6.7 VULNERABILITY ANALYSIS, CONTINUED

VULNERABILITY ANALYSIS (DETAILED)
Wetlands or Other Sensitive Environments:
The following environmentally sensitive habitats and wetland areas are located within the 20-mile planning distance downstream of the Facility along the Mississippi River: 1) Maple Island at River Mile 197.8 2) Columbia Bottoms Conservation Area between River Miles 193 and 196. 3) Choteau Island at River Mile 192.9 4) Choteau Slough at River Mile 181.8 5) Gabaret Slough at River at River Mile 189.0 6) Marshall County Refuge at River Mile 184.0.

6.7 VULNERABILITY ANALYSIS, CONTINUED

VULNERABILITY ANALYSIS (DETAILED)
Fish and Wildlife:
The following unique fish and wildlife habitats were identified within the 20-mile planning distance downstream of the facility on the Mississippi River: ? Unusual Concentration of Invertebrates between River Miles 196.4 and 198.0 ? Chain of Rocks Canal Area, Vegetative Management at River Mile 194.0 ? Important aquatic habitat, adult and subadult pallid sturgeon habitat and congregation between River Miles 184.0 and 190.3 ? Important aquatic habitat, young pallid sturgeon habitat between River Miles 184.0 and 188.0 ? Important aquatic habitat, Chevron structures create fish habitat between River Miles 181.1 and 183.6 The Riverlands Migratory Bird Sanctuary (U.S. Army Corps of Engineers, St. Louis District) is located upstream of the Facility on the Mississippi River and upstream of the Mel Price Lock and Dam, and not expected to be impacted by a discharge.

6.7 VULNERABILITY ANALYSIS, CONTINUED

VULNERABILITY ANALYSIS (DETAILED)
Lakes and Streams:
If a spill were to escape secondary containment, it would flow into drainage ditches with eventual discharge to the Mississippi River- located west of the facility. The following lakes and streams are within the 10-mile planning distance: 1) Confluence of the Missouri River and the Mississippi River at River Mile 195.7 2) Confluence of the Cahoki Diversion and the Mississippi River at River Mile 195 3) Confluence of the Chain of Rocks Canal and the Mississippi River at River Mile 194.3 4) Dam No. 27 at River Mile 190.2 5) Lock No. 27 at River Mile 185.5

6.7 VULNERABILITY ANALYSIS, CONTINUED

VULNERABILITY ANALYSIS (DETAILED)
Endangered Flora and Fauna:
SECTION 6.6 lists endangered and threatened species by state. Terrestrial Zone Birds [State Endangered species], Fish [State Endangered species] and Aquatic/Riparian Zone Birds [State/Federal Threatened species] are downstream from the Facility in the vicinity of the Mississippi River. The following list includes the locations and type of endangered flora and fauna within the 20-mile planning distance: ? Endangered bird species at River Mile 190.4 ? Endangered fish species at River Mile 183.3 ? Endangered bird species at River Mile 183.0

6.7 VULNERABILITY ANALYSIS, CONTINUED

VULNERABILITY ANALYSIS (DETAILED)
Recreational Areas:
There are several parks / recreation areas are located within the 20- mile downstream planning distance of the Facility. Several of the park / recreation areas also have river access points. The following is a listing of such facilities: ? Jones-Confluence Point State Park at River Mile 198.0 ? Lewis and Clark State Memorial Park (with boat access) at River Mile 195.0 ? North Shore Country Club at River Mile 191 ? Chain of Rocks Park at River Mile 189.9 ? North Riverfront Park at River Mile 189.3 ? Gabaret Island Boat Access at River Mile 187.7 ? Venice Boat Access at River Mile 182.5 ? Jefferson Expansion Memorial [NPS; national park] between River Miles 179 and 180.

6.7 VULNERABILITY ANALYSIS, CONTINUED

VULNERABILITY ANALYSIS (DETAILED)
Transportation Routes (Air, Water, Land):
The Mississippi River considered a vulnerable maritime transportation route. Depending on the product released and the actual or anticipated extent of impacts, a release or response activities may disrupt marine traffic throughout the 20-mile planning distance. In the event of a release from the Terminal, response actions would be conducted to minimize impact to the river, as well as to surrounding roads and railroads. Specifically, public roadways that may potentially be affected by a discharge at the Facility include: ? East Rand Avenue; ? South Old Edwardsville Road; and ? Illinois Route 3 (IL 3) / Lewis and Clark Boulevard Several railroads are located adjacent to the terminal and a discharge may affect them. The railroads are: ? Kansas City Southern ? Norfolk and Southern ? Union Pacific These transportation routes are identified on the maps in SECTION 6.8. The local emergency assistance agencies (police department, fire department, etc.) and the U.S. Coast Guard and railroads (as applicable) would be contacted for traffic control in the area of the discharge. Depending on the product released and the actual or anticipated extent of impacts, a release or response activities may disrupt surface transportation routes (roadways, rail etc.) crossing the Mississippi River throughout the planning distance. Key transportation structures in the vicinity of the terminal that may be affected by a discharge include: 1. Chain of Rocks Canal entrance at River Mile 194.3, 2. I-270 Dual Highway Canal Bridge at River Mile 190.8, 3. Chain of Rocks Canal Bridge at River Mile 190.5, 4. Merchants Railroad Bridge at River Mile 183.2, 5. McKinley Bridge at River Mile 182.9, 6. New I-70 Bridge (under construction as of Oct 2012) at River Mile 181.2, 7. Martin L. King Memorial Bridge at River Mile 180.2, 8. Eads Highway and Railroad Bridge at River Mile 180.0, 9. Poplar Street Bridge at River Mile 179.2, 10. Douglas Mac Arthur Bridge at River Mile 179.0 The Company will work closely with local, county, and state emergency agencies (police, fire, etc.) to coordinate response actions for businesses that may be impacted by a discharge.

6.7 VULNERABILITY ANALYSIS, CONTINUED

VULNERABILITY ANALYSIS (DETAILED)

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6.7 VULNERABILITY ANALYSIS, CONTINUED

VULNERABILITY ANALYSIS (DETAILED)
Other Applicable Areas:
As indicated above, there are three (3) river access points and 44 docks, wharfs, and terminals located between the Facility (at approximately River Mile 197 and River Mile 177.

6.8 SENSITIVITY MAPS

Click here to view - Environmental Sensitivity Maps Index.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - Environmental Sensitivity Maps.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - ISA Map Index.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - ISA Map Legend.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - ISA Map Data.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - ISA Map 5.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - ISA Map 5D3.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - ISA Map 5P53.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - ISA Map 5P61.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - ISA Map 12.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - ISA Map 12A3.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - ISA Map 12A2.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - ISA Map 12C2.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - ISA Map 12D2.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - ISA Map 19.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - ISA Map 19A1.

6.8 SENSITIVITY MAPS, CONTINUED

Click here to view - ISA Map 18.

SECTION 7 Last revised: July 2013

SUSTAINED RESPONSE ACTIONS

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7.1 Response Resources

7.1.1 Response Equipment

Figure 7.1-1 - Regional Company and Response Contractor's Equipment List / Response Time

7.1.2 Response Equipment Inspection and Maintenance

7.1.3 Contractors, Contractor Equipment, and Labor

7.1.4 Command Post

Figure 7.1-2 - Command Post Checklist

7.1.5 Staging Area

7.1.6 Communications Plan

Figure 7.1-3 - Communications Checklist

7.2 Site Security Measures

Figure 7.2-1 - Site Security Checklist

Figure 7.2-2 - Facility Security

7.3 Waste Management

Figure 7.3-1 - Waste Management Flow Chart

Figure 7.3-2 - General Waste Containment and Disposal Checklist

7.3.1 Storage

Figure 7.3-3 - Temporary Storage Methods

Figure 7.3-4 - Facility-Specific Disposal Locations

SECTION 7
SUSTAINED RESPONSE ACTIONS, CONTINUED

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7.4 Public Affairs

Figure 7.4-1 - Media Incident Fact Sheet

7.1 RESPONSE RESOURCES

7.1.1 Response Equipment

CATEGORY	TYPE/MODEL	QUANTITY	SIZE	YEAR PURCHASED	OPERATIONAL STATUS	LOCATION AT FACILITY
Wood River Terminal						
Boats and Motors	None	N/A	N/A	N/A	N/A	N/A
Boom	None	N/A	N/A	N/A	N/A	N/A
Chemical Countermeasures Agents Stored	None	N/A	N/A	N/A	N/A	N/A
Communications Equipment	Cell Phone with "Push to Talk" direct communication (Intrinsically Safe)	4	N/A	N/A	Operational	On-Site
Communications Equipment	Land Line Phones	15			Operational	On-Site
Communications Equipment	Computers	10			Operational	On-Site
Communications Equipment	Fax Machines	2			Operational	On-Site
Communications Equipment	Cell Phone with internet / e-mail access ("Smart Phone" - Not intrinsically Safe)	3	N/A	N/A	Operational	On-Site
Culvert Block	Neoprene Pad, plywood support; fence posts	1	N/A	N/A	Operational	Terminal Maintenance Garage
Fire Extinguishers	Hand-held, portable dry chemical	24	10- to 30-pound	N/A	Operational	Around Trucking Loading Rack and throughout the Terminal Yard

***Note:** Response equipment is tested and deployed as described in **Appendix A** of the Spill Response Plan.

7.1.1 Response Equipment, Continued

CATEGORY	TYPE/MODEL	QUANTITY	SIZE	YEAR PURCHASED	OPERATIONAL STATUS	LOCATION AT FACILITY
Wood River Terminal, Continued						
Fire Extinguishers	Hand-held, portable dry chemical	22	5- to 30-pound	N/A	Operational	Throughout the Terminal Buildings and Vehicles
Fire Fighting and Personnel Protective Equipment	None	N/A	N/A	N/A	N/A	N/A
Fire Pump	Electric-powered	1	500 HP booster pump	N/A	Operational	Adjacent to Tank 253
Gas Detection Meters	O2, CO2, LEL	2	N/A	N/A	Operational	Terminal Maintenance Garage
Hand Tools	None	N/A	N/A	N/A	N/A	N/A
Other (Heavy Equipment, Cranes, Dozers, etc.)	None	N/A	N/A	N/A	N/A	N/A
Skimmers/Pumps	None	N/A	N/A	N/A	N/A	N/A
Sorbents	Roll Absorbent Pad	2	150 ft by 15 inches (Approx.11.5-gallon oil absorbing capacity per roll)	N/A	Operational	Terminal Maintenance Garage
Sorbents	Roll Absorbent Pad	2	150 ft by 15 inches (Approx.11.5-gallon oil absorbing capacity per roll)	N/A	Operational	Rack Maintenance

***Note:** Response equipment is tested and deployed as described in **Appendix A** of the Spill Response Plan.

FIGURE 7.1-1 - REGIONAL COMPANY AND RESPONSE CONTRACTOR'S

EQUIPMENT LIST / RESPONSE TIME

* USCG Classified OSRO

COMPANY/CONTRACTOR	EQUIPMENT	RESPONSE TIME
Jarrett Industries, Inc. South Roxana, IL	Full Response Capability (i.e., boat, boom, skimmer)	1 hours
*Heritage Environmental Services, LLC Wood River, IL	Full Response Capabilities per U.S. Coast Guard Classification	1 hours

**** Note:** Incident responders will be provided personal protective equipment (PPE), determined by the Safety Officer, applicable to response conditions to ensure all responders are safe.

7.1.2 Response Equipment Inspection and Maintenance

Terminal response resources consist of safety and emergency response equipment strategically located around the Facility, as noted in **SECTION 7.1.1**.

Company response equipment is tested and inspected as noted below. The Terminal Manager is responsible for ensuring that response equipment inspection and testing procedures are implemented. Completed inspection checklists are maintained at the facility and retained for a period of five years. Copies of representative completed checklists are in **APPENDIX G**. Records of equipment inspection and deployment exercises (see **APPENDIX A: FIGURE A.1-4**) are recorded and maintained at the facility and retained for a period of five years.

As applicable, inspections consist of the following:

7.1.2 Response Equipment Inspection and Maintenance
Inspection
Response equipment is inspected in accordance with the procedures in Generic Maintenance Strategy (GMS) for Emergency Response Equipment (USPL-GMS-014-001).
Absorbents (Pads, Socks, Granular, etc.)
During equipment inspections, absorbents will be observed to assess that the types and quantities listed in the FRP are available, properly stored, readily accessible, and in good condition.
Fire Alarm System
Inspection and Maintenance of the fire alarm system will be performed in accordance with SMP USPL-MAN-732-010. The fire alarm system includes: fire alarm control panel; detector input; audible alarm (e.g., horn); visual alarm (e.g., light or strobe); and/or notification/call-out device(s). As described in the SMP, inspection and maintenance activities include: visual inspection; in-place operation testing; in-place maintenance; and annual comprehensive inspection.
Diesel- and Electric-driven Fire Water Pumps
Fire water pump will be inspected and tested monthly in accordance with SMP USPL STP-

32-102 and NFPA 25. The entire fire protection system, including the fire water pump shall be tested annually or more frequently if required by local regulations, this SMP and NFPA 25. A qualified third party fire protection contractor will perform the annual inspection.
Fire Extinguishers
Fire extinguishers are inspected and maintained in accordance with the procedures in Document USPL-MAN-732-080. Terminal personnel inspect fire extinguishers monthly and observe the location and condition of each extinguisher. In addition, a qualified third party fire protection contractor performs annual inspections in general accordance with the National Fire Protection Association (NFPA) standards and guidance.
Firefighting Equipment
Inspection, testing and preventive maintenance of fire suppression systems (including hydrants, monitors, and hose lines) are performed by a qualified third party fire protection contractor in general accordance with the NFPA standards and guidance.
Hand Tools

7.1.2 Response Equipment Inspection and Maintenance, Continued
Hand Tools, Continued
Inspections will observe that hand tools (e.g., shovels, scoops, brooms) are in good condition (i.e., handles intact, blades/brushes secure, etc.) and that hand tools designated for spill response are properly stored in the correct locations (e.g., with other response equipment) and readily accessible.
Miscellaneous equipment
Other response equipment identified in this Plan (such as heavy equipment) will be inventoried and inspected on a semiannual basis to confirm that the stated quantities are in inventory and in proper working order. As applicable, observe that adequate fuel/lubricants for equipment are available and properly stored and that engines start well and runs smoothly.

7.1.3 Contractors, Contractor Equipment, and Labor

- The Company's primary response contractors' names and phone numbers, as well as other companies who can provide spill response services are provided in **SECTION 3**.
- The Company has ensured by contract the availability of private personnel and equipment necessary to respond, to the maximum extent practicable, to the small discharge or the substantial threat of such discharge, as stated in **APPENDIX D.5.1**.
- The Company has ensured by contract with OSROs the availability of private personnel and equipment necessary to respond, to the maximum extent practicable, to the worst case discharge or the substantial threat of such discharge.
- **APPENDIX B** contains evidence of contracts for the Company's primary OSROs and spill response contractors.
- Annually, the Company will request the current equipment lists for their OSROs and

spill response contractors.

- The Company will maintain copies of the current OSRO and spill response contractor equipment lists in the Facility?s office.

7.1.4 Command Post

In the event of a major spill, both an off-site Emergency Operations Center (EOC) and a Unified Command Post would be established. For a minor spill, only a Command Post would be established. Refer to **FIGURE 7.1-2** for guidelines in establishing a Command Post.

FIGURE 7.1-2 - COMMAND POST CHECKLIST

COMMAND POST CHECKLIST	INITIALS	DATE/TIME STARTED	DATE/TIME COMPLETED
Ensure adequate space for size of staff.			
Ensure 24-hour accessibility.			
Ensure personal hygiene facilities.			
Ensure suitability of existing communications resources (phone/fax/radio).			
Ensure suitability of private conference and briefing rooms.			
Identify Command Post security requirements, safe location.			
Notify other parties of Command Post location; provide maps/driving directions.			
Determine staging areas and incident base locations.			
Identify future need to move, upgrade facilities.			

7.1.5 Staging Area

In a major spill response, numerous staging areas may be required to support containment and clean-up operations.

In selecting a suitable staging area, the following criteria should be considered:

- Accessibility to impacted areas;
- Proximity to secure parking, airports, docks, pier, or boat launches; and
- Accessibility to large trucks and trailers, which may be used to transfer equipment.

In addition, the staging area should:

- Be in a large open area in order to provide storage for equipment and not interfere with

equipment loading and offloading operations,

- Have a dock/pier on-site for deploying equipment, and
- Have moorage available for vessels to aid the loading/offloading of personnel.

7.1.6 Communications Plan

Company-owned communications equipment and quantities commonly used to address response communications are listed below:

- Primary communications are via intrinsically-safe hand-held cell phones with direct communications ("Push to Talk") capabilities.
- The BP Notification Center (800-321-8642, phone reference in FIGURE 3.1-3) is manned 24 hours a day and is available for backup support.
- Four (4) intrinsically-safe cell phones are used by the terminal operators/technicians for communications between each other and the tank farm and office. The intrinsically-safe cellular phones have ?Push to Talk? direct communications. Additionally, three (3) ? Non-intrinsically safe cellular telephones, (15) ? Landline Telephones, one (1) ? Fax Machines, and four (4) Laptop computers with intranet / internet connectivity (landline and wireless) are available.
- In addition, the Terminal Manager, Corporate Support Personnel and many facility personnel have cellular telephones (not intrinsically safe) that may be used within the Terminal Office or outside the facility for notifications and additional communications capacity.
- Additional communications equipment may be available through the LEPC (which has a communications trailer and handheld intrinsically safe radios) and/or OSRO.

Normal Company communications to each facility are conducted via telephone lines, cellular telephones, two way radios, e-mail, and fax machines. Communications between personnel within the Facility are conducted using the direct communications feature on the cellular telephones or via portable radios.

Additional communications equipment (VHF portable radios with chargers and accessories, command post with UHF, VHF, single sideband, marine, aeronautical, telephone, and landline capability) may be provided by the Company or leased from an OSRO or a communications company in the area. Communications with government agencies, state police, and contractors can be conducted via portable radios and cellular or landline telephones. Refer to **FIGURE 7.1-3** for guidelines to set up communications.

IT IS THE RESPONSIBILITY OF THE QUALIFIED INDIVIDUAL TO PROVIDE AN ADEQUATE COMMUNICATIONS SYSTEM. THE COMMUNICATIONS PLAN, WRITTEN AT THE TIME OF AN INCIDENT, WILL IDENTIFY TELEPHONE NUMBERS AND RADIO FREQUENCIES USED BY RESPONDERS. THIS ALSO MAY INVOLVE ACTIVATION OF MULTIPLE TYPES OF COMMUNICATIONS EQUIPMENT AND COORDINATION AMONG MULTIPLE RESPONDING AGENCIES AND CONTRACTORS.

FIGURE 7.1-3 - COMMUNICATIONS CHECKLIST

COMMUNICATIONS CHECKLIST	INITIALS	DATE/TIME STARTED	DATE/TIME COMPLETED
Develop a Communications Plan.			
Ensure adequate phone lines per staff element - contact local provider.			
Ensure adequate fax lines - contact local provider.			
Internet access necessary?			
Ensure recharging stations for cellular phones.			
VHF radio communications: • Establish frequencies • Assign call signs • Distribute radios • Establish communications schedule			
Ensure recharging stations for VHF radios.			
Determine need for VHF repeaters.			
Ensure copy machine available.			
Ensure communications resource accountability.			
Ensure responders have capability to communicate with aircraft.			

Note: Actions on this checklist may not be applicable or may be continuous activities.

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7.3 WASTE MANAGEMENT

Initial oil handling and disposal needs may be overlooked in the emergency phase of a response, which could result in delays and interruptions of cleanup operations. Initially, waste management concerns should address:

- Equipment capacity,
- Periodic recovery of contained oil, and
- Adequate supply of temporary storage capacity and materials.

The following action items should be conducted during a spill response:

- Development of a Site Safety and Health Plan (**SECTION 5.3**) addressing the proper PPE and waste handling procedures.
- Development of a Disposal Plan (**SECTION 5.5**) in accordance with any federal, state, and/or local regulations.
- Continuous tracking of oil disposition in order to better estimate amount of waste that could be generated over the short and long-term.

- Organization of waste collection, segregation, storage, transportation, and proper disposal.
- Minimization of risk of any additional pollution.
- Regulatory review of applicable laws to ensure compliance and (if appropriate) obtain permits.
- Documentation of all waste handling and disposal activities.
- Disposal of all waste in a safe and approved manner.

Good hazardous waste management includes:

- Reusing materials when possible,
- Recycling or reclaiming waste, and
- Treating waste to reduce hazards or reducing amount of waste generated.

The management of the wastes generated in cleanup and recovery activities must be conducted with the overall objective of ensuring:

- Worker safety,
- Waste minimization,
- Cost effectiveness,
- Minimization of environmental impacts,

- Proper disposal, and
- Minimization of present and future environmental liability.

Solid wastes, such as sorbents, PPE, debris, and equipment, will typically be transported from the collection site to a designated facility for:

- Storage,
- Waste segregation,
- Packaging, and
- Transportation.

Once this process is complete, the waste will be shipped off-site to an approved facility for required disposal.

A general flow chart for waste management guidelines is provided in **FIGURE 7.3-1**. An

overall checklist for containment and disposal is provided in **FIGURE 7.3-2**.

FIGURE 7.3-1 - WASTE MANAGEMENT FLOW CHART

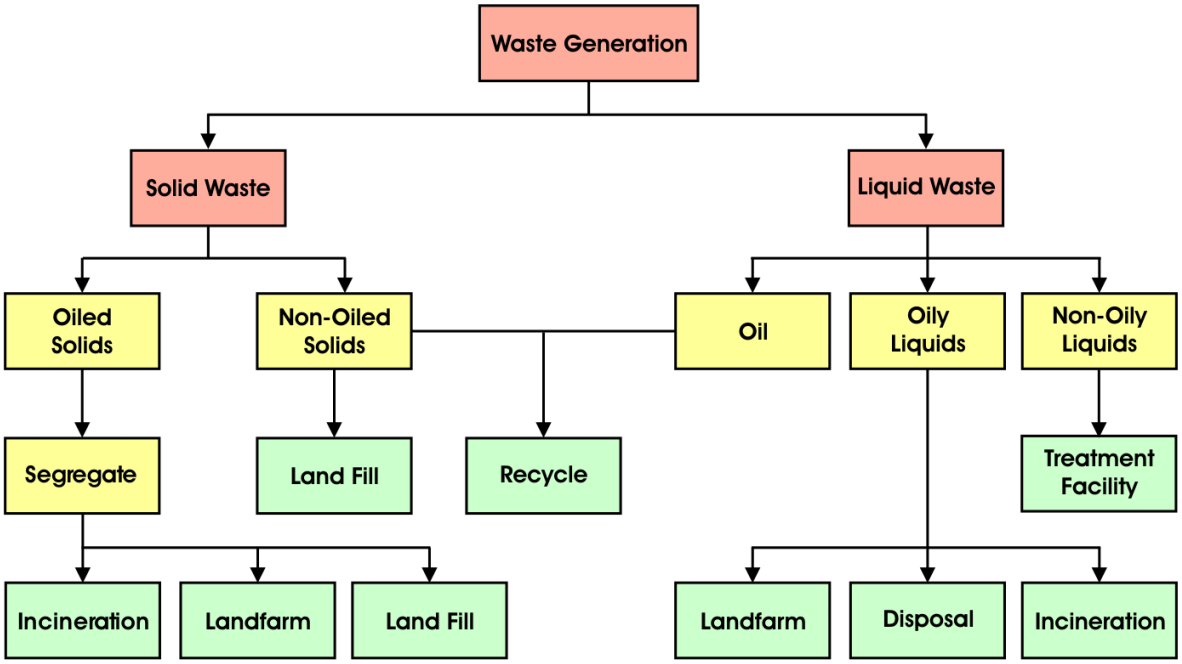


FIGURE 7.3-2 - GENERAL WASTE CONTAINMENT AND DISPOSAL CHECKLIST

CONSIDERATION	YES/NO/NA
Is the material being recovered a waste or reusable product?	
Has all recovered waste been containerized and secured so there is no potential for further leakage while the material is being stored?	
Has each of the discrete waste streams been identified?	
Has a representative sample of each waste stream been collected?	
Has the sample been sent to an approved laboratory for the appropriate analysis, (i.e., hazardous waste determination)?	
Has the appropriate waste classification and waste code number(s) for the individual waste streams been received?	
Has a temporary EPA identification number and generator number(s) been received if they are not already registered with EPA?	
Have the services of a registered hazardous waste transporter been contracted if waste is hazardous?	
If the waste is nonhazardous, is the transporter registered?	
Is the waste being taken to an approved disposal site?	
Is the waste hazardous or Class I nonhazardous?	
If the waste is hazardous or Class I nonhazardous, is a manifest being	

used?	
Is the manifest properly completed?	
Are all federal, state, and local laws/regulations being followed?	
Are all necessary permits being obtained?	
Has a Disposal Plan been submitted for approval/review?	
Has PPE and waste-handling procedures been included in the Site Safety and Health Plan to protect the health and safety of waste handling personnel?	

7.3.1 Storage

During an oil spill, the volume of oil that can be recovered depends on the storage capacity available. Typical short-term (temporary) storage methods are provided in FIGURE 7.3-3. If storage containers such as bags or drums are used, the container should be clearly marked and/or color-coded to indicate the type of material or waste contained and/or the ultimate disposal option.

FIGURE 7.3-3 - TEMPORARY STORAGE METHODS

CONTAINMENT	PRODUCT						
	OIL	OIL/WATER	OIL/SOIL	OIL/DEBRIS (Small)	OIL/DEBRIS (Medium)	OIL/DEBRIS (Large)	CAPACITY
Drums	X	X	X				0.2-0.5 yd^3
Bags		X	X	X			1.0-2.0 yd^3
Boxes		X	X	X			1-5 yd^3
Open top rolloff	X	X	X	X	X	X	8-40 yd^3
Roll top rolloff	X	X	X	X	X	X	15-25 yd^3
Vacuum box	X	X					15-25 yd^3
Frac tank	X	X					500-20,000 gal
Poly tank	X	X					200-4,000 gal
Vacuum truck	X	X	X				2,000-5,000 gal
Tank trailer	X	X					2,000-4,000 gal
Barge	X	X					3,000+ gal
Berm, 4 ft		X	X	X	X	X	1 yd^3
Bladders	X	X					25-1,500 gal

FIGURE 7.3-4 - FACILITY-SPECIFIC DISPOSAL LOCATIONS

MATERIAL	DISPOSAL FACILITY	LOCATION
Recovered Product	All recovered product will be contained within the Terminal secondary containment structures or in excess on-site tankage for immediate removal by a third party contract service. This contractor will be appropriately licensed to remove and transport the recovered product, and maintains a valid Special Waste Hauling Permit or Uniform Hazardous Waste Hauling Permit issued by the Illinois Environmental Protection Agency (IEPA). The contactor will transport special waste to an appropriately licensed or permitted disposal/recovery facility that maintains an Operating Permit Hazardous wastes will be transported to an appropriately licensed or permitted disposal facility that maintains a RCRA Part B Permit.	BP has assembled a list of approved waste disposal facilities that may be used for hazardous and non-hazardous waste disposal. The facilities on the approved list have been inspected to evaluate compliance with waste management regulations (local, state, and federal) and have been found to present low or minimal environmental risk to BP due to strict compliance with existing regulations. All waste disposal associated with a petroleum product release from the Terminal would be directed to one or more of these approved disposal facilities.
Contaminated Soil	Contaminated soil will be excavated by a licensed contractor and subsequently transported by a licensed waste hauler who maintains a valid Special Waste Hauling Permit or Uniform Hazardous Waste Hauling Permit issued by the IEPA. The contactor will transport special waste to an appropriately licensed or permitted disposal/recovery facility that maintains an Operating Permit Hazardous wastes will be transported to an appropriately licensed or permitted disposal facility that maintains a RCRA Part B Permit.	see above
Contaminated Equipment	Contaminated equipment will be decontaminated for reuse when practicable. If decontamination is not possible, contaminated equipment will be contained in United States Department of Transportation (USDOT) approved containers for transport by a licensed contractor/waste hauler who maintains a valid Special Waste Hauling Permit or Uniform Hazardous Waste Hauling Permit issued by the IEPA. The contactor will transport special waste to an appropriately licensed or permitted disposal/recovery facility that maintains an Operating Permit Hazardous wastes will be transported to an appropriately licensed or permitted disposal facility that maintains a RCRA Part B Permit.	see above

FIGURE 7.3-4 - FACILITY-SPECIFIC DISPOSAL LOCATIONS

MATERIAL	DISPOSAL FACILITY	LOCATION
Personnel Protective Equipment	Contaminated PPE will be decontaminated for reuse when practicable. If decontamination is not possible, contaminated PPE will be contained in USDOT approved containers for transport by a licensed contractor/waste hauler who maintains a valid Special Waste Hauling Permit or Uniform Hazardous Waste Hauling Permit issued by the DNR. The contactor will transport special waste to an appropriately licensed or permitted disposal/recovery facility that maintains an Operating Permit Hazardous wastes will be transported to an appropriately licensed or permitted disposal facility that maintains a RCRA Part B Permit.	see above
Decontamination Solutions	Decontamination solutions will be contained in USDOT approved containers for transport by a licensed contractor/waste hauler who maintains a valid Special Waste Hauling Permit or Uniform Hazardous Waste Hauling Permit issued by the DNR. The contactor will transport special waste to an appropriately licensed or permitted disposal/recovery facility that maintains an Operating Permit Hazardous wastes will be transported to an appropriately licensed or permitted disposal facility that maintains a RCRA Part B Permit.	see above
Adsorbents and Spent Chemicals	Absorbents will be contained in USDOT approved containers for transport by a licensed contractor/waste hauler who maintains a valid Special Waste Hauling Permit or Uniform Hazardous Waste Hauling Permit issued by the DNR. The contactor will transport special waste to an	see above

	appropriately licensed or permitted disposal/recovery facility that maintains an Operating Permit Hazardous wastes will be transported to an appropriately licensed or permitted disposal facility that maintains a RCRA Part B Permit. Spent chemicals will be contained in USDOT approved containers for transport by a licensed contractor/waste hauler who maintains a valid Special Waste Hauling Permit or Uniform Hazardous Waste Hauling Permit issued by the FLDEP. The contactor will transport special waste to an appropriately licensed or permitted disposal/recovery facility that maintains an Operating Permit Hazardous wastes will be transported to an appropriately licensed or permitted disposal facility that maintains a RCRA Part B Permit.	

7.4 PUBLIC AFFAIRS

This section contains guidelines for dealing with the media during an emergency. The Incident Commander will play a key role in providing the initial public assessment and taking the first steps to provide the Company's public response. Information in this section includes:

- Guidelines for dealing with the media
- Media Incident Fact Sheet (**FIGURE 7.4-1**)

GUIDELINES FOR DEALING WITH THE MEDIA

- You as a Company Manager are the most logical person for reporters to seek out for information.
- Reporters will look elsewhere to find out what happened if you do not answer their questions; however, if you do not have this information or are not prepared to answer a particular question, say so then say when they can expect the answers to their questions (such as one hour).
- It is important to be courteous to all media representatives and to provide a safe place for them to wait until a Company representative can meet them; you may need to provide an initial statement.

Provide	• A brief, general description of what happened and

	• Steps being taken to handle the emergency.
Don't provide	• Names of deceased or seriously injured employees until the next of kin have been notified, • Speculation about the cause of the emergency, • Any statement implying personal or company negligence, • Number of injured or killed, if known, or • Cost estimates of damage.
Other considerations	• Safety considerations should always receive priority in determining access to Company property. • Anticipate likely questions. • There are only six questions that can be asked about any subject: who, what, when, where, why, and how. • Keep answers short and understandable. • Answer only the question that is asked by the reporter. • Give the most important facts first.

7.4 PUBLIC AFFAIRS, CONTINUED

Other considerations, continued:	• Talk to the public's concern about the incident, such as whether these were deaths, injuries, any threat to the public, or danger of explosion or fire. • If you don't know the answer to a question, don't be afraid to say "I don't know"; make note of the question and tell the reporter that you will try to get the answer for him - then do it. • Don't be defensive. • There is no such thing as "talking off the record"; assume that anything and everything you say to a reporter is going to be printed and/or used in the story. • Avoid "What If?" or speculative questions; these questions should be answered with a restatement of the problem and what is being done to control it. • Don't speculate about the cause of the incident.

- Don't minimize the situation.

FIGURE 7.4-1 - MEDIA INCIDENT FACT SHEET

What occurred:
When (time):
Where (location):
What are hazards:
How is the situation being handled:
What agencies have been notified: **All necessary agencies have been notified.**
Has outside help been requested: **All necessary assistance has been requested.**
Is there danger to the plant:
Is there danger to the community:
What:
Is there an environmental hazard:
What is the environmental hazard:
What is being done to minimize environmental threat: **All appropriate actions to protect the environment are being taken.**
Is there a need for evacuation:

SECTION 8 Last revised: July 2013

DEMOBILIZATION / POST-INCIDENT REVIEW

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8.1 Terminating the Response

8.2 Demobilization

Figure 8.2-1 - Demobilization Checklist

8.3 Post-Incident Review

Figure 8.3-1 - Emergency Response or Drill Form

8.3.1 Final Spill Cleanup Report

8.1 TERMINATING THE RESPONSE

- A team of federal, state, and Company personnel must certify that each area is clean before halting cleanup operations.
- Demobilize equipment and personnel at the first opportunity in order to reduce cost.
- Consider which resources should be demobilized first; for example, berthing expenses can be saved by demobilizing out-of-area contractors before local ones.
- Equipment may need both maintenance and decontamination before being demobilized.
- All facilities (staging area, Command Post, etc.) should be returned to their pre-spill condition before terminating operations.
- Determine what documentation should be maintained, where, and for how long.
- Contract personnel may be more susceptible to "suffering" injuries as they approach termination.
- Some activities will continue after the cleanup ends; examples include incident debriefing, bioremediation, NRDA studies, claims, and legal actions.
- Consider expressing gratitude to the community, police department, fire department, and emergency crews for their work during the response.

8.2 DEMOBILIZATION

The Company can reduce costs considerably by developing a Demobilization Plan (**SECTION 5.7**). Therefore, emphasis must be placed on establishing efficient demobilization procedures. A Demobilization Checklist is provided in **FIGURE 8.2-1**.

FIGURE 8.2-1 - DEMOBILIZATION CHECKLIST

DEMOBILIZATION CHECKLIST	INITIALS	DATE/TIME STARTED	DATE/TIME COMPLETED
Assign personnel to identify surplus resources and probable release times.			
Establish demobilization priorities.			
Develop decontamination procedures.			
Initiate equipment repair and maintenance.			
Develop a Disposal Plan.			
Identify shipping needs.			
Identify personnel travel needs.			
Develop impact assessment and statements.			
Obtain concurrence of Planning and Operations Group Leaders before release of personnel or			

equipment.			

8.3 POST-INCIDENT REVIEW

All facility personnel involved in the incident shall be debriefed (by the Company) within 24 hours after termination of operations. The primary purpose of the post-incident review is to identify actual or potential deficiencies in the Plan and determine the changes required to correct the deficiencies. The post-incident review also is intended to identify which response procedures, equipment, and techniques were effective and which were not and the reason(s) why. This type of information is very helpful in the development of a functional Plan by eliminating or modifying those response procedures that are less effective and emphasizing those that are highly effective. This process also should be used for evaluating training drills or exercises. Key agency personnel that were involved in the response will be invited to attend the post-incident review. An Emergency Response or Drill Form is provided in **FIGURE 8.3-1**. Results of the review are forwarded to the Company within 90 days following completion of response and cleanup procedures.

FIGURE 8.3-1 - EMERGENCY RESPONSE OR DRILL FORM

☐ EXERCISE???????? ☐ ACTUAL EVENT

Date & Time Convened:

1. Operations Director reviews facts of incident.

(Type, Group Security (Terrorist Act?), Safety, Surroundings, Commodity, Volume Spilled (if spill), Weather)

Obtain topographical map of area from engineering.

Actions Taken:

Level:??????? ????? 1????? 2????? 3

2. Is there anything that must be done prior to adjournment?

3. Who is on the scene?? (Company reps, others, i.e., fire, police, ambulance)

Who is the incident commander?

Phone Numbers:

Where is the command post?

Phone Numbers:

Who is BST Liaison with Incident Command?

Phone Numbers:

Request BST be included by speakerphone during EOC Unified Command meetings

FIGURE 8.3-1 - EMERGENCY RESPONSE OR DRILL FORM, CONTINUED

4. Is there a need to contact the Incident Management Teams?

Contact: a.? IMT?????? _____
b.? BART?? _____

5. Who (if anyone) has already been dispatched to the scene from Lisle/Chicago?

6. Who else should go to the scene ASAP?

7. Does an all-BP number need to be set up for notification purposes?

8. Next meeting at?

8.3.1 Final Spill Cleanup Report

A final, comprehensive report shall be prepared by the Incident Commander or his designee after completion of spill cleanup activities for internal use. It should be written in the narrative form and include the information listed below (as appropriate):

- Time, location, and date of discharge;
- Type of material discharged;
- Quantity discharged (indicate volume, color, length and width of slick, and rate of release if continuous);
- Source of spill (tank, flowline, etc.) in which the oil was originally contained, path of discharge, and impact area;
- Detailed description of what actually caused the discharge and actions taken to control or stop the discharge;
- Description of damage to the environment;
- Steps taken to clean up the spilled oil along with dates and times steps were taken;
- The equipment used to remove the spilled oil, dates, and number of hours equipment was used;
- The number of persons employed in the removal of oil from each location, including their identity, employer, and the number of hours worked at that location;
- Actions by the Company or contractors to mitigate damage to the environment;
- Measures taken by the Company or contractors to prevent future spills;
- The federal and state agencies to which the Company or contractors reported the discharge; show the agency, its location, the date and time of notification, and the official contacted;
- Description of the effectiveness of equipment and cleanup techniques and recommendations for improvement;
- The names, addresses, and titles of people who played a major role in responding to the event;
- A section identifying problems and deficiencies noted during the response event; a follow-up section should include recommended procedure modifications to make a future response more effective and efficient; and
- All other relative information.

Wood River

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APPENDICES

A. TRAINING / EXERCISES

B. CONTRACTOR RESPONSE EQUIPMENT

C. TANK TABLES, COMPANY FORMS, AND PLOT PLANS

D. HAZARD EVALUATION AND RISK ANALYSIS

E. CROSS-REFERENCES

F. ACRONYMS AND DEFINITIONS

G. ADDITIONAL INFORMATION

APPENDIX A Last revised: July 2008

TRAINING / EXERCISES

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A.1 Exercise Requirements and Schedules

Figure A.1-1 - PREP Response Plan Core Components

Figure A.1-2 - Exercise Requirements

Figure A.1-3 - Emergency Response or Drill Form

Figure A.1-4 - EPA Required Response Equipment Testing and Deployment Drill Log

Figure A.1-5 - Qualified Individual Notification Drill Log

Figure A.1-6 - Response Equipment Inspection Form

A.2 Training Program

Figure A.2-1 - Training Requirements

Figure A.2-2 - Recommended PREP Training Program Matrix

Figure A.2-3 - Personnel Response Training Log

A.1 EXERCISE REQUIREMENTS AND SCHEDULES

- The Company participates in the National Preparedness for Response Exercise Program (PREP).
- During each triennial cycle, all components of the Plan (**FIGURE A.1-1**) must be exercised at least once.
- The local Manager/Team Leader is responsible for the following aspects:
    - Adherance to BU's training/exercise program,
    - Scheduling,
    - Assignment of ICS (Incident Command System) roles,
    - Post-drill evaluation/debrief/improvements, and
    - Maintenance of records (documentation).
- FIGURE A.1-2 provides descriptions of exercise requirements, FIGURE A.1-3 provides an Emergency Response or Drill Form.

FIGURE A.1-1 - PREP RESPONSE PLAN CORE COMPONENTS

CORE COMPONENTS	DESCRIPTION
1. Notifications	Test the notifications procedures identified in the asset Emergency Response Plan (FRP/ACP).
2. Staff mobilization	Demonstrate the ability to assemble the response organization identified in the asset Emergency Response Plan (FRP/ACP).
3. Ability to operate within the response management system described in the Plan:	
• Unified Command	Demonstrate the ability of the spill response organization to work within a unified command.
• Response management system	Demonstrate the ability of the response organization to operate within the Incident Command System (ICS) response management system identified in the respective plans.
4. Discharge control	Demonstrate the ability of the response organization to control and stop the discharge at the source.
5. Assessment	Demonstrate the ability of the response organization to provide initial assessment of the discharge and provide continuing assessments of the effectiveness of the tactical operations.
6. Containment	Demonstrate the ability of the response organization to contain the discharge at the source or in various locations for recovery operations.
7. Recovery	Demonstrate the ability of the response organization to recover the discharged product.
8. Protection	Demonstrate the ability of the response organization to

	protect the environmentally and economically sensitive areas identified in the ACP and the respective asset response plan.
9. Disposal	Demonstrate the ability of the response organization to dispose of the recovered material and contaminated debris.
10. Communications	Demonstrate the ability to establish an effective communications \system for the response organization.
11. Transportation	Demonstrate the ability to establish multi-mode transportation both for execution of the discharge and support functions.
12. Personnel support	Demonstrate the ability to provide the necessary support of all personnel associated with response.
13. Equipment maintenance and support	Demonstrate the ability to maintain and support all equipment associated with the response.
14. Procurement	Demonstrate the ability to establish and effective procurement system.
15. Documentation	Demonstrate the ability of the response organization to document all operational and support aspects of the response and provide detailed records of decisions and actions taken.

FIGURE A.1-2 - EXERCISE REQUIREMENTS

EXERCISE TYPE	EXERCISE CHARACTERISTICS
Facility/QI notification	• Conducted quarterly. • Asset initiates mock spill notification to QI. • Asset documents time/date of notification, name, and phone number of individual contacted. • Use PREP Exercise Documentation Form in FIGURE A.1-5.
Equipment deployment	• Conducted semiannually if Company owns equipment. (e.g. boat, boom, skimmer, not absorbents) • Response contractors listed in the plan must participate in annual deployment exercise. • Use PREP Exercise Documentation Form in FIGURE A.1-4.
Facility Tactical Response Team tabletop	• Conducted annually. • Tests team's response activities/responsibilities. • Notify the appropriate agencies. • Documents Plan's effectiveness. • Must exercise worst case discharge scenario once every three years. • Must test all Plan components at least once every three years. • Drill documentation will be filed at the asset. • All facility table top supporting documentation

	will be stored on-site.
Unannounced	• Company will either participate in unannounced tabletop exercise or equipment deployment exercise on an annual basis, if selected. • Company may take credit for participation in government initiated unannounced drill in lieu of drill required by PREP guidelines, if passed. • Plan holders who have participated in a PREP government-initiated unannounced exercise will not be required to participate in another one for at least 36 months from the date of the exercise if the Company passes the exercise.
Area	• An industry plan holder that participates in an Area Exercise would not be required to participate in another Area Exercise for a minimum of six years if the Company passes the exercise.
OTHER EXERCISE CONSIDERATIONS	
Drill program evaluation procedures	• Company conducts post-exercise meetings to discuss positive items, areas for improvement, and to develop action item checklist to be implemented later.
Records of drills	• Company will maintain exercise records for five years following completion of each exercise. • Records will be made available to applicable agencies upon request. • Company will verify appropriate records are kept for each spill response contractor listed in Plan as required by PREP guidelines (annual equipment deployment drill, triennial unannounced drill, etc.).

FIGURE A.1-3 - EMERGENCY RESPONSE OR DRILL FORM

Three Year Oil Pollution Act of 1990 Drill Log

Facility Name: _____

Location: _____

Drill Type	**Document Completed Drills with Drill Date and Initials**		
	Year _____	Year _____	Year _____

QI Notification Drill			
1st Qtr			
2nd Qtr			
3rd Qtr			
4th Qtr			
Annual PREP Tabletop Exercise (indicate scenario type: Small, Medium or Worst Case)			
Agency/OSRO Telephone Notification Drill			
1st Half of Year			
2nd Half of Year			
Facility Owned Equipment Deployment			
1st Half of Year			
2nd Half of Year			
Unannounced Drill			
Contractor Owned Equipment Deployment (obtain documentation annually)			
Agency Unannounced Drill (As requested)			
Area Exercise (As requested)			

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FIGURE A.1-4 - EPA REQUIRED RESPONSE EQUIPMENT TESTING AND DEPLOYMENT DRILL LOG

The following form will be used to document containment boom deployments, but other forms may be used to document inspections. Refer to **SECTION 7.1.2** for additional Information on response equipment inspections and testing. Response equipment inspections records are

maintained in the Facility office for at least five (5) years. Refer to the Facility Response Plan **APPENDIX G** for samples of completed response equipment inspection forms and **APPENDIX H** for copies of blank response equipment inspection forms.

Item:	Date of Last Update:
ACTIVITY	**INFORMATION**
Last inspection or response equipment test date	
Inspection frequency	
Last deployment drill date	
Deployment frequency	
OSRO Certification (if applicable)	

Item:	Date of Last Update:
ACTIVITY	**INFORMATION**
Last inspection or response equipment test date	
Inspection frequency	
Last deployment drill date	
Deployment frequency	
OSRO Certification (if applicable)	

Item:	Date of Last Update:
ACTIVITY	**INFORMATION**
Last inspection or response equipment test date	
Inspection frequency	
Last deployment drill date	
Deployment frequency	
OSRO Certification (if applicable)	

Item:	Date of Last Update:
ACTIVITY	**INFORMATION**
Last inspection or response equipment test date	
Inspection frequency	
Last deployment drill date	
Deployment frequency	
OSRO Certification (if applicable)	

FIGURE A.1-5 - QUALIFIED INDIVIDUAL NOTIFICATION DRILL LOG

Records are maintained on-site. Refer to **APPENDIX G** for samples of completed forms.

Company:	Date:
ACTIVITY	**INFORMATION**
Qualified Individual(s) Contacted	
Others Contacted	
Emergency Scenario	
Evaluation	
Changes to be Implemented	
Time Table for Implementation	

Company:	Date:
ACTIVITY	**INFORMATION**
Qualified Individual(s) Contacted	
Others Contacted	
Emergency Scenario	
Evaluation	
Changes to be Implemented	
Time Table for Implementation	

Company:	Date:
ACTIVITY	**INFORMATION**
Qualified Individual(s) Contacted	
Others Contacted	
Emergency Scenario	
Evaluation	
Changes to be Implemented	
Time Table for Implementation	

Company:	Date:
ACTIVITY	**INFORMATION**
Qualified Individual(s) Contacted	
Others Contacted	
Emergency Scenario	
Evaluation	
Changes to be Implemented	

Time Table for Implementation	

FIGURE A.1-6 - RESPONSE EQUIPMENT INSPECTION FORM

Note that other inspection forms may be used. Refer to **SECTION 7.1.2** for additional Information on response equipment inspections and testing. Response equipment inspections records are maintained in the Facility office for at least five (5) years. Refer to **APPENDIX G** for samples of completed response equipment inspection forms.

INSPECTOR	DATE	COMMENTS

A.2 TRAINING PROGRAM

FIGURE A.2-1 provides training requirements for spill responders. **FIGURE A.2-2** provides the program matrix. **FIGURE A.2-3** provides a personnel response training log.

FIGURE A.2-1 - TRAINING REQUIREMENTS

TRAINING TYPE	TRAINING CHARACTERISTICS
Training in use of spill response plan	• All field personnel will be trained to properly report/monitor spills. • Plan will be reviewed annually with all employees and contract personnel. • The Personnel Response Training Log is located in **FIGURE A.2-3**.
OSHA training requirements	• All Company responders designated in Plan must have 24 hours of initial spill response training. • Laborers having potential for minimal exposure must have 24 hours of initial oil spill response instruction and eight hours of actual field experience. • Spill responders having potential exposure to hazardous substances at levels exceeding permissible exposure limits must have 40 hours of initial training off-site and 24 hours of actual field experience. • On-site management/supervisors required to receive same training as equipment operators/general laborers plus eight hours of specialized hazardous waste management training. • Managers/employees require eight hours of annual refresher training.
Incident Management Team personnel training	• See recommended PREP Training Progam Matrix (FIGURE A.2-2).
Training for casual laborers or volunteers	• Company will not use casual laborers/volunteers for operations requiring HAZWOPER training.
Wildlife	• Only trained personnel approved by USFWS and appropriate state agency will be used to treat oiled wildlife.
Training documentation and record maintenance	• Training activity records will be retained five years for all personnel following completion of training.

	• Company will retain training records indefinitely for individuals assigned specific duties in the Plan. • Training records will be retained at each facility or pipeline office; Supervisor/Area Manager will document all applicable training.

FIGURE A.2-2 - RECOMMENDED PREP TRAINING PROGRAM MATRIX

TRAINING ELEMENT	QUALIFIED INDIVIDUAL (QI)	INCIDENT MANAGEMENT TEAM (IMT)	FACILITY PERSONNEL
Captain of the Port (COTP) Zones or Environmental Protection Agency (EPA) Regions in which the facility is located	x	x	x
Notification procedures and requirements for facility owners or operators; internal response organizations; federal and state agencies; and contracted Oil Spill Removal Organizations (OSROs) and the information required for those organizations	x	x	x
Communication system used for the notifications	x	x	x
Information on the products stored, used, or transferred by the facility, including familiarity with the material safety data sheets (MSDS), special handling procedures, health and safety hazards, spill and other applicable response procedures	x	x	x
Procedures the facility personnel may use to mitigate or prevent any discharge or a substantial threat of a discharge of oil resulting from facility operational activities associated with internal or external cargo transfers, storage, or use	x		x
Facility personnel responsibilities and procedures for use of facility equipment which may be available to mitigate or prevent an oil discharge	x		x
Operational capabilities of the contracted OSRO?s to respond small, medium, and large discharges	x	x	x
Responsibilities and authority of the Qualified Individual (QI) as described in the Spill Response Plan and Company response organization	x	x	x

The ICS organization structure that will be used to manage the response actions including: • Command and control • Public information • Safety • Liaison with government agencies • Spill response operations • Planning • Logistics support • Finance	x	x	x
The responsibilities and duties of each Incident Management Team (IMT) within the organization structure	x	x	
The drill and exercise program to meet federal and state regulations as required under Oil Pollution Act of 1990 (OPA 90)	x	x	x
The role of the QI in the post discharge review of the Plan to evaluate and validate its effectiveness	x		

FIGURE A.2-2 - RECOMMENDED PREP TRAINING PROGRAM MATRIX, CONTINUED

TRAINING ELEMENT	QUALIFIED INDIVIDUAL (QI)	INCIDENT MANAGEMENT TEAM (IMT)	FACILITY PERSONNEL
The Area Contingency Plan (ACP) for the area in which the facility is located	x	x	x
The National Contingency Plan (NCP)	x	x	x
Roles and responsibilities of federal and state agencies in pollution response	x	x	x
Available response resources identified in the Plan	x	x	x
Contracting and ordering procedures to acquire OSRO resources identified in the Plan	x	x	
OSHA requirements for worker health and safety (29 CFR 1910.120)	x	x	x
Incident Command System/Unified Command System	x	x	x
Public affairs	x	x	x
Crisis management	x	x	x
Procedures for obtaining approval for dispersant use or in-situ burning of the spill	x	x	
Oil spill trajectory analyses	x	x	

Sensitive biological areas	x	x	x
This training procedure as described in the Plan for members of the IMT		x	
Procedures for the post discharge review of the plan to evaluate and validate its effectiveness	x	x	x
Basic information on spill operations and oil spill clean-up technology including: • Oil containment • Oil recovery methods and devices • Equipment limitations and uses • Shoreline cleanup and protection • Spill trajectory analysis • Use of dispersants, in-situ burning, bioremediation • Waste storage and disposal considerations		x	
Hazard recognition and evaluation	x	x	x
Site safety and security procedures	x	x	x
Personnel management, as applicable to designated job responsibilities	x	x	x

FIGURE A.2-2 - RECOMMENDED PREP TRAINING PROGRAM MATRIX, CONTINUED

TRAINING ELEMENT	**QUALIFIED INDIVIDUAL** (QI)	**INCIDENT MANAGEMENT TEAM (IMT)**	**FACILITY PERSONNEL**
Procedures for directing the deployment and use of spill response equipment, as applicable to designated job responsibilities	x	x	x
Specific procedures to shut down affected operations	x		x
Procedures to follow in the event of discharge, potential discharge, or emergency involving the following equipment or scenarios: • Tank overfill • Tank rupture • Piping or pipeline rupture • Piping or pipeline leak, both under pressure or not under pressure, if applicable • Explosion or fire • Equipment failure • Failure of secondary containment	x		x

system			
QI's name and how to contact him or her	x		x

FIGURE A.2-3 - PERSONNEL RESPONSE TRAINING LOG

NAME	RESPONSE TRAINING/DATE AND NUMBER OF HOURS	PREVENTION TRAINING/DATE AND NUMBER OF HOURS
William (Doug) Heimer	6/4/2013 8 Hours	6/5/2013 8 Hours
Vernon St. Peters	6/4/2013 8 Hours	6/5/2013 8 Hours
Phil Smith	6/4/2013 8 Hours	6/5/2013 8 Hours
Brad Tonsor	6/4/2013 8 Hours	6/5/2013 8 Hours

Note: Records are maintained on-site. See VTA, for training history. Refer to **APPENDIX G** for additional information.

APPENDIX B Last revised: July 2013

CONTRACTOR RESPONSE EQUIPMENT

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B.1 Cooperatives and Contractors

B.1.1 OSRO Classification

Figure B.1-1 - Evidence of Contracts

B.1 COOPERATIVES AND CONTRACTORS

The Company has contracted with additional Oil Spill Removal Organizations (OSROs) to provide personnel and equipment in the event of a spill. The classification, response capabilities and equipment are described below. Evidence of contracts and equipment lists are included in **FIGURE B.1-1**.

B.1.1 OSRO Classification

The OSRO classification process was developed by the U.S. Coast Guard (USCG) to provide guidelines to enable USCG and plan preparers to evaluate an OSRO's potential to respond to oil spills. Plan holders that utilize USCG classified OSRO services are not required to list response resources in their plans.

The following is a listing of the USCG classified OSROs within this Zone that may respond to incidents at this Facility in this Plan. For a detailed listing of USCG classified OSROs and other contractors, refer to **FIGURE 3.1-4** and **FIGURE 7.1-1**.

COMPANY / CONTRACTOR	APPLICABLE COPT ZONE (S)	USCG CLASSIFICATIONS	RESPONSE TIME
Heritage Environmental Services, LLC 251 North Old St. Louis Road Wood River IL 62095	Upper Mississippi (St. Louis)	See table below	1 hours

	Facilities				Vessels			
	MM	W1	W2	W3	MM	W1	W2	W3
River/Canal	✓	✓	✓	✓	✓	✓	✓	✓
Inland	✓		✓	✓	✓		✓	✓
Open Ocean								
Offshore								
Nearshore								
Great Lakes								

B.1.1 OSRO Classification, Continued

The following contractors retained by the Company, but are not USCG classified OSROs within this Zone, are as follows:

- Jarrett Industries, Inc.
  1600 Madison Ave.
  South Roxana,IL
  62087
  Response Time: 1

Equipment lists and evidence of contract for all of the above contractors are maintained at the Houston, TX office and are available upon request. **FIGURE 7.1-1** provides local response contractor's equipment lists and response times.

FIGURE B.1-1 - EVIDENCE OF CONTRACTS

(All contracts are evergreen and therefore do not expire.)

- Heritage Environmental Services, LLC, Wood River, IL
- Jarrett Industries, Inc., South Roxana, IL

APPENDIX C Last Revised: August 2013

TANK TABLES, COMPANY FORMS AND PLOT PLANS

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Figure C-1 - Tank Tables

Figure C-2 - Drainage Diagram

Figure C-3 - Evacuation Diagram

Figure C-4 - Discharge Prevention Meeting Log

Figure C-5 - Inspection Procedures

Figure C-6 - Annual Inspection Record

Figure C-7 - Secondary Containment Drainage Log

Figure C-8 - Reportable Spill History

Figure C-9 - Containment and Drainage Planning

FIGURE C-1 - TANK TABLES

FIGURE C-8 Spill History has information on any spills from tank failures. Additional information on secondary containment, including supporting calculations, is provided in the SPCC Plan. Secondary containment at the Facility is considered to be sufficiently impervious to contain discharged oil until clean up occurs.

Container/ Source	Failure/Cause	Total Shell Capacity (gal)	Secondary Containment Volume Type (gal)	Tank Type	Year Constructed/ Installed	Quantity Stored (gal)	Direction of Flow/Rate (See Site Drainage Diagram)	Product Stored
ABOVEGROUND CONTAINERS - (b) (7)(F)								
294	Overfill / Rupture / Leakage	(b) (7)(F)		Floating Roof with Dome	1974	(b) (7)(F)	West / Instantaneous	Gasoline/ Distillates
205	Overfill / Rupture / Leakage			Floating Roof with Dome	1976		West / Instantaneous	Gasoline/ Distillates
201	Overfill / Rupture / Leakage			Internal Floating Roof	1975		West / Instantaneous	Gasoline/ Distillates
107	Overfill / Rupture / Leakage			Floating Roof with Dome	1974		West / Instantaneous	Gasoline/ Distillates
249	Overfill / Rupture / Leakage			Cone	1926		West / Instantaneous	Distillate
235	Overfill / Rupture / Leakage			Cone	1927		West / Instantaneous	Distillate
239	Overfill / Rupture / Leakage			Cone	1920		West / Instantaneous	Gasoline/ Distillates
240	Overfill / Rupture / Leakage			Cone	1920		West / Instantaneous	Distillate
250	Overfill / Rupture / Leakage			Cone	1926		West / Instantaneous	Distillate
268	Overfill / Rupture / Leakage			Floating Roof with Dome	1949		West / Instantaneous	Gasoline/ Distillates

* Not in Containment Area ** Curbing and containment system

Containment Type: 1-Earthen Berm and Floor, 2-Concrete Berm and Floor, 3-Metal Berm and Floor,

4-Portable Containment or Inside Building, 5-Double Walled, 6-Lined Earthen Berms and Floor

FIGURE C-1 - TANK TABLES , CONTINUED

FIGURE C-8 Spill History has information on any spills from tank failures. Additional information on secondary containment, including supporting calculations, is provided in the SPCC Plan. Secondary containment at the Facility is considered to be sufficiently impervious to contain discharged oil until clean up occurs.

Container/ Source	Failure/Cause	Total Shell Capacity (gal)	Secondary Containment Volume Type (gal)	Tank Type	Year Constructed/ Installed	Quantity Stored (gal)	Direction of Flow/Rate (See Site Drainage Diagram)	Product Stored
ABOVEGROUND CONTAINERS - (b) (7)(F)								
269	Overfill / Rupture / Leakage	(b) (7)(F)		Floating Roof with Dome	1949	(b) (7)(F)	West / Instantaneous	Gasoline/ Distillates
280	Overfill / Rupture / Leakage			Internal Floating Roof	1950		West / Instantaneous	Pipeline Interface (Transmix)
281	Overfill / Rupture / Leakage			Internal Floating Roof	1950		West / Instantaneous	Gasoline/ Distillates
282	Overfill / Rupture / Leakage			Internal Floating Roof	1952		West / Instantaneous	Denatured Ethanol
283	Overfill / Rupture / Leakage			Internal Floating Roof	1952		West / Instantaneous	Gasoline/ Distillates
284	Overfill / Rupture / Leakage			Internal Floating Roof	1952		West / Instantaneous	Gasoline/ Distillates
292	Overfill / Rupture / Leakage			Floating Roof with Dome	1958		West / Instantaneous	Gasoline/ Distillates
293	Overfill / Rupture / Leakage			Floating Roof with Dome	1958		West / Instantaneous	Gasoline/ Distillates
295	Overfill / Rupture / Leakage			Internal Floating Roof	1974		West / Instantaneous	Gasoline/ Distillates
257	Overfill / Rupture / Leakage			Floating Roof with Dome	1977		West / Instantaneous	Gasoline

* Not in Containment Area ** Curbing and containment system

Containment Type: 1-Earthen Berm and Floor, 2-Concrete Berm and Floor, 3-Metal Berm and Floor, 4-Portable Containment or Inside Building, 5-Double Walled, 6-Lined Earthen Berms and Floor

FIGURE C-1 - TANK TABLES , CONTINUED

FIGURE C-8 Spill History has information on any spills from tank failures. Additional information on secondary containment, including supporting calculations, is provided in the SPCC Plan. Secondary containment at the Facility is considered to be sufficiently impervious to contain discharged oil until clean up occurs.

Container/ Source	Failure/Cause	Total Shell Capacity (gal)	Secondary Containment Volume Type (gal)	Tank Type	Year Constructed/ Installed	Quantity Stored (gal)	Direction of Flow/Rate (See Site Drainage Diagram)	Product Stored
ABOVEGROUND CONTAINERS								
296	Overfill / Rupture / Leakage			Floating Roof with Dome	1974		West / nstantaneous	Gasoline/ Distillates
A-1	Overfill / Rupture / Leakage			Horizontal	2004		West / nstantaneous	Gasoline Additive
A-2	Overfill / Rupture / Leakage			Horizontal	2004		West / nstantaneous	Gasoline Additive
A-3	Overfill / Rupture / Leakage			Horizontal	2004		West / nstantaneous	Diesel Additive
A-4	Overfill / Rupture / Leakage			Horizontal	2004		West / nstantaneous	Diesel Additive
A-5	Overfill / Rupture / Leakage			Horizontal	2004		West / nstantaneous	Gasoline Additive
A-6	Overfill / Rupture / Leakage			Tote	Unknown		West / nstantaneous	Diesel Additive
A-7	Overfill / Rupture / Leakage			Tote	Unknown		West / nstantaneous	Gasoline Additive
A-8	Overfill / Rupture / Leakage			Horizontal	1984		West / nstantaneous	Fuel Oil
A-9	Overfill / Rupture / Leakage			Horizontal	2004		West / nstantaneous	Diesel Additive

(b) (7)(F)

* Not in Containment Area ** Curbing and containment system

Containment Type: 1-Earthen Berm and Floor, 2-Concrete Berm and Floor, 3-Metal Berm and Floor, 4-Portable Containment or Inside Building, 5-Double Walled, 6-Lined Earthen Berms and Floor

FIGURE C-1 - TANK TABLES , CONTINUED

FIGURE C-8 Spill History has information on any spills from tank failures. Additional information on secondary containment, including supporting calculations, is provided in the SPCC Plan. Secondary containment at the Facility is considered to be sufficiently impervious to contain discharged oil until clean up occurs.

Container/ Source	Failure/Cause	Total Shell Capacity (gal)	Secondary Containment Volume Type (gal)	Tank Type	Year Constructed/ Installed	Quantity Stored (gal)	Direction of Flow/Rate (See Site Drainage Diagram)	Product Stored
ABOVEGROUND CONTAINERS - (b) (7)(F)								
A-10	Overfill / Rupture / Leakage	(b) (7)(F)		Horizontal	1984	(b) (7)(F)	West / Instantaneous	Gasoline Additive
A-11	Overfill / Rupture / Leakage			Horizontal	1984		West / Instantaneous	Gasoline Additive
A-12	Overfill / Rupture / Leakage			Tote	2006		West / Instantaneous	Conductivity
A-13	Overfill / Rupture / Leakage			Tote	2006		West / Instantaneous	Conductivity
A-14	Overfill / Rupture / Leakage			Tote	2006		West / Instantaneous	Hitec
G298	Overfill / Rupture / Leakage			Horizontal	2006		East / Instantaneous	Gasoline
D297	Overfill / Rupture / Leakage			Horizontal	2006		West / Instantaneous	Diesel
Lab Sample	Overfill / Rupture / Leakage			Tote	2006		East / Instantaneous	Gasoline/ Distillates
Product Sample Tank	Overfill / Rupture / Leakage			Horizontal, Steel	Unknown		West / Instantaneous	Gasoline/ Distillates
VRU Knock out Tank	Overfill / Rupture / Leakage			Horizontal, Steel	2005		Contained in Dike Area	Gasoline/ Distillates

* Not in Containment Area ment system

Containment Type: 1-Earthen Berm and Floor, 2-Concrete Berm and Floor, 3-Metal Berm and Floor, 4-Portable Containment or Inside Building, 5-Double Walled, 6-Lined Earthen Berms and Floor

FIGURE C-1 - TANK TABLES , CONTINUED

FIGURE C-8 Spill History has information on any spills from tank failures. Additional information on secondary containment, including supporting calculations, is provided in the SPCC Plan. Secondary containment at the Facility is considered to be sufficiently impervious to contain discharged oil until clean up occurs.

Container/ Source	Failure/Cause	Total Shell Capacity (gal)	Secondary Containment Volume Type (gal)	Tank Type	Year Constructed/ Installed	Quantity Stored (gal)	Direction of Flow/Rate (See Site Drainage Diagram)	Product Stored
DRUM STORAGE AREA - Total: (b) (7)								
Portable Relief Drums (up to 10 throughout Terminal, 55 gal each)	Overfill / Rupture / Leakage	(b) (7)(F)		Steel Drum	Unknown	(b)	Contained in Dike Area	Gasoline/ Distillates
MISCELLANEOUS - (b) (7)(F)								
Surge Tanks (10 at Truck Loading Rack, 80 gal each)	Overfill / Rupture / Leakage	(b) (7)(F)		Vertical	2012	(b) (7) (F)	East / Instantaneous	Gasoline/ Distillates
OIL - FILLED ELECTRICAL EQUIPMENT - (b) (7)(F)								
16	Overfill / Rupture / Leakage	(b) (7)(F)		Transformer	Unknown	(b) (7)(F)	West / Instantaneous	Dielectric Oil
17	Overfill / Rupture / Leakage			Transformer	Unknown		West / Instantaneous	Dielectric Oil
Main Transformer #35	Overfill / Rupture / Leakage			Transformer	Unknown		West / Instantaneous	Dielectric Oil
Main Transformer #2	Overfill / Rupture / Leakage			Transformer	Unknown		West / Instantaneous	Dielectric Oil
88	Overfill / Rupture /			Transformer	Unknown		West / Instantaneous	Dielectric Oil

	Leakage	(b) (7)(F)			(b) (7)(F)			
MCC #1	Overfill / Rupture / Leakage		Transformer	Unknown		West / Instantaneous	Dielectric Oil	
MCC #2	Overfill / Rupture / Leakage		Transformer	Unknown		West / Instantaneous	Dielectric Oil	
MCC #3	Overfill / Rupture / Leakage		Transformer	Unknown		West / Instantaneous	Dielectric Oil	

* Not in Containment Area ** Curbing and containment system

Containment Type: 1-Earthen Berm and Floor, 2-Concrete Berm and Floor, 3-Metal Berm and Floor, 4-Portable Containment or Inside Building, 5-Double Walled, 6-Lined Earthen Berms and Floor

FIGURE C-1 - TANK TABLES , CONTINUED

FIGURE C-8 Spill History has information on any spills from tank failures. Additional information on secondary containment, including supporting calculations, is provided in the SPCC Plan. Secondary containment at the Facility is considered to be sufficiently impervious to contain discharged oil until clean up occurs.

Container/ Source	Failure/Cause	Total Shell Capacity (gal)	Secondary Containment Volume Type (gal)	Tank Type	Year Constructed/ Installed	Quantity Stored (gal)	Direction of Flow/Rate (See Site Drainage Diagram)	Product Stored
OIL - FILLED MECHANICAL EQUIPMENT - Total:								
None	-			-			-	-
SURFACE IMPOUNDMENTS - Total:								
None	Overfill / Rupture / Leakage			-			-	-
UNDERGROUND CONTAINERS - (b) (7)(F)								
Oil water separator	Overfill / Rupture / L (b) (7)(F)	(b) (7)(F)		Underground	2004	(b) (7)(F)	ontained in Dike Area	N/A
Facility Total:								

* Not in Contain Curbing and containment system

Containment Type: 1-Earthen Berm and Floor, 2-Concrete Berm and Floor, 3-Metal Berm and Floor, 4-Portable Containment or Inside Building, 5-Double Walled, 6-Lined Earthen Berms and Floor

FIGURE C-2 - DRAINAGE DIAGRAM

Click here to view - Drainage Diagram 09/08/2010.

FIGURE C-3 - EVACUATION DIAGRAM

Click here to view - Evacuation Diagram 09/08/2010.

FIGURE C-4 - DISCHARGE PREVENTION MEETING LOG

Spill Prevention Briefing

- Company personnel are kept knowledgeable of equipment, safety factors, and operating conditions.
- Annual training sessions are conducted by the Terminal Manager to assure oil handling personnel understand the SPCC Plan for the facility. These documented sessions keep personnel informed of their obligation to prevent pollution incidents and to improve spill control and response techniques.

DATE	ATTENDEES

Subject/Issue Identified	Required Action	Implementation Date

Note: Refer to **APPENDIX G** for additional information.

FIGURE C-5 - INSPECTION PROCEDURES

Terminal technicians conduct Rounds to observe the Facility looking for signs of vapor or liquid leaks, damage to equipment, or security concerns at least once per shift in accordance with the BP USPL Rounds Procedures (USPL-INS-820-001). Tank inspections and testing are performed in accordance with the BP USPL Standard Maintenance Procedure (SMP) - Tank Inspection & Maintenance Procedure (USPL-MAN-825-001) and the BP USPL Site Technical Practice - Field Procedures for Tank Inspection Program (PLBU STP 58-208). Secondary containment systems are observed during Rounds and inspected in accordance with the procedures in SMP USPL-MAN-825-001.

In addition to Rounds Inspection, USPL utilizes a facility-risk based monitoring program for piping called the Facility Inspection Program (FIP). The program utilizes an array of non destructive testing inspection techniques based on API 570 or API 2611 which have been incorporated into USPL STP 32-101. Pipe supports are included in the FIP inspections, and are designed to minimize abrasion and corrosion and allow for expansion and contraction.

BP USPL inspection procedures are available on the BP USPL intranet site; additional information on inspection and testing procedures is provided in the SPCC Plan.

Inspection and testing records are maintained with a Computer Maintenance Management System (CMMS, such as Maximo) and/or the tank file in the Facility office. Inspection checklists are managed via Job Plans.

If an oil discharge or signs of damage of distress are observed, this will be reported to the Terminal Manager or Senior Technician and cleaned up / corrected as soon as practicable.

Note: These documents must be retained for five (5) years. Refer to **APPENDIX G** for additional information.

FIGURE C-6 - ANNUAL INSPECTION RECORD

Inspection and testing records are maintained with a Computer Maintenance Management System (CMMS) such as Maximo) and/or records are on file in the Facility office.

(Other versions of this form may be used)

FIGURE C-7 - SECONDARY CONTAINMENT DRAINAGE LOG

Refer to the facility-specific Spill Protection Control Countermeasure (SPCC) Plan for the secondary containment log information.

FIGURE C-8 - REPORTABLE SPILL HISTORY*

Information on reportable spills is documented in the Tr@ction reporting system. Copies of the Tr@ction Spill Reports are presented in **APPENDIX G**.

Date of Discharge(s):	01/06/2000
Location (Equipment or Operations):	
List of Discharge Causes:	A gauge had apparently frozen and broken. Gasoline was released onto the ground and onto a concrete pad. The gasoline flowed into the facility sewer system.
Material(s) Discharged:	Gasoline
Amount of Discharges in Gallons:	Approx. 25-75 (gals)
Amount That Reached Navigable Waters (if applicable):	None ()
Effectiveness and Capacity of Secondary Containment:	Unknown
Cleanup Actions Taken:	Unknown
Steps Taken to Reduce Possibility of Reoccurrence:	Unknown
Total Oil Storage Capacity of Tank(s) or Impoundment(s) From Which Material Discharged:	Unknown ()
Enforcement Actions:	Unknown
Effectiveness of Monitoring Equipment:	Unknown
Spill Detection:	Discovered by personnel.
Brief Summary of the Impact of the Spill:	Unknown
Geographic Area:	Location: Pipeline leak

*Reportable spill, as defined in 40 CFR Part 110, is a discharge of oil that violates applicable water quality standards or a discharge into or upon the navigable waters of the United States or adjoining shorelines in harmful quantities.

FIGURE C-8 - REPORTABLE SPILL HISTORY*, CONTINUED

Information on reportable spills is documented in the Tr@ction reporting system. Copies of the Tr@ction Spill Reports are presented in **APPENDIX G**.

Date of Discharge(s):	08/01/1993
Location (Equipment or Operations):	
List of Discharge Causes:	The release happened during flood conditions. The discharge occurred when flood water went into the vent pipe and mixed with fuel in the tank.
Material(s) Discharged:	Gasoline and Diesel mixture
Amount of Discharges in Gallons:	50 (gals)
Amount That Reached Navigable Waters (if applicable):	50 (gals)
Effectiveness and Capacity of Secondary Containment:	Booms prevented migration from the site.
Cleanup Actions Taken:	Product was removed by Triad Industries.
Steps Taken to Reduce Possibility of Reoccurrence:	Because of flood conditions, booms were already in place.
Total Oil Storage Capacity of Tank(s) or Impoundment(s) From Which Material Discharged:	20,000 (gals)
Enforcement Actions:	Unknown.
Effectiveness of Monitoring Equipment:	N/A
Spill Detection:	Visual inspection.
Brief Summary of the Impact of the Spill:	N/A
Geographic Area:	Location: Tank D-700

*Reportable spill, as defined in 40 CFR Part 110, is a discharge of oil that violates applicable water quality standards or a discharge into or upon the navigable waters of the United States or adjoining shorelines in harmful quantities.

FIGURE C-9 - CONTAINMENT AND DRAINAGE PLANNING

FACTORS
Description of Containing/Controlling a Spill Through Drainage
Oil that may discharge into diked or undiked areas will be controlled and cleaned up as soon as practicable to prevent it leaving the Facility. DIKED STORAGE AREA DRAINAGE SYSTEMS

Drainage of storm water or other liquids accumulated within the Facility's diked storage area is controlled as follows:
- Tank Farm drainage controlled by manually-activated pump. The pump is kept in the ?Off? position and is only turned on after the technician inspects the water for sheen. Discharges are monitored and pump is turned off upon completion.
- Flapper-type drain valves are not used to drain diked areas.
- Storm water from additive tank containment is emptied by valves that are manually opened. Valves are kept closed and locked except when containment is being drained.
- Water is visually inspected for product and discharged only if no product sheen, sludge, or discoloration is visible.
- Natural evaporation is the preferred accumulated storm water removal method provided that the accumulation does not damage the equipment/structures or inhibit operations conducted within the containment area.
- Discharges are observed in accordance with requirements of the Facility?s pretreatment permit/NPDES permit conditions.
- In the Tank Farm secondary containment consists of diked areas and drainage is restrained through the area-wide stormwater drainage system for the Tank Farm. Collected stormwater within the dikes flows via storm drains located within the dikes or through notches in the intermediate dikes and is routed to Sump J-16A, located at the northwestern corner of the Tank Farm.

In the case of a discharge, product would also be drained to Sump J-16A. If the volume of release was greater than the volume of the stormwater drainage system and Sump J-16A, the discharge would overflow sump and be contained within the surrounding earthen dike areas. From the sump, collected stormwater is pumped into the former BP Wood River refinery sewer system, which goes through the main oil/water separator (OWS) located near the BP remediation office), through the Sump J-100 located in the Korea Tank Farm, and is pumped into the clariflotator tank at the Wood River wastewater treatment plant (WWTP). If the discharge volume from the former refinery sewer system is greater than the pumping rate at the Sump J-100, the excess flow is collected in the secondary containment area (i.e., ponds) at the BP riverfront property until it can be pumped back to the WWTP via the Sump J-100.
- For diked areas for Tanks D297, G298, Lab Sample Tank, VRU Knockout Tank, and additive totes A-6, A-7, A-14, stormwater is collected within the individual containment areas and discharged to ground surface which is gently graded toward a low vegetative area to the east. Spills to this area could potentially travel east across the vegetative area towards the drainage ditch along South Old Edwardsville Road, then southward.

UNDIKED AREA DRAINAGE
- The Facility drainage system is designed in a manner that will enable undiked areas with the potential for discharge to flow into low areas, trench drains and/or catch basins which have the ability to collect spills until cleanup occurs.
- Storm water is collected in drains located throughout the Facility and is discharged according to the Facility?s pretreatment permit/NPDES permit.
- No products are stored or handled in non-diked or non-contained areas.
- Storm water drainage from other Facility undiked, non-storage areas is not controlled due to its origination from non-spill potential areas. Oil that enters an undiked area would be removed immediately and not allowed to drain off the property.
- Trench drains and catch basins are not located in areas subject to periodic flooding.
- The Truck Loading Rack is covered with a canopy and provided with a concrete containment area that is sloped towards the truck rack trench drains that direct flows to the 10,000-gallon truck rack OWS, which has an oil capacity of 8,000 gallons. The Truck Loading Rack OWS discharges to Sump J-16A (described above), located at the northwestern corner of the Tank Farm.
- Denatured Ethanol Unloading Area is provided with a concrete containment area that is

sloped towards trench drains which discharge to an adjacent low vegetative area to the east. Drainage is controlled by manually controlled valve. The valve is secured in the closed position when not draining. Water is visually inspected for product and discharged only if no product sheen, sludge, or discoloration is visible. Spills to this vegetative area would travel east towards the drainage ditch along South Old Edwardsville Road, and could then flow south through a culvert in the southeastern corner and travel offsite, but is not expected to impact an environmentally sensitive area or flow to the Mississippi River.
- The tanker truck staging area is graded towards the low vegetative area at the eastern side. Oil that enters this area would be quickly detected and removed and prevented from draining off the property.
- Stormwater runoff and spills originating from pipelines and piping not located within diked areas would flow towards low areas around the Terminal, and would tend to collect in low areas in the southwest corner and in the southeast corner, and could then flow south through a culvert in the southeastern corner and travel offsite, but is not expected to impact an environmentally sensitive area or flow to the Mississippi River.

FIGURE C-9 - CONTAINMENT AND DRAINAGE PLANNING

FACTORS
Available Volume of Containment
Refer to FIGURE C-1
Route(s) of Drainage
Refer to FIGURE C-2
Construction Materials Used in Drainage Troughs
The Terminal Yard is paved with asphalt and the Truck Loading Rack and Denatured Ethanol Unloading Area have concrete pads. Drainage lines from the trench drains and catch basins at the Truck Loading Rack and Denatured Ethanol Unloading Area are steel, concrete and/or plastic (e.g., PVC or HDPE). In the Tank Farm the stormwater drainage system has steel and/or concrete culverts to direct flows to the Sump J-16A. Drainage ditches outside the containment areas and the Terminal Yard are generally vegetated soil.
Type and Number of Valves Separators
None
Sump Pump Capacities
Sump J-16A: 6 inch vertical pump (1,000 GPM)
Containment Capacity of Weirs and Booms
None
Other Clean Up Materials
Refer to SECTION 7.1.1

APPENDIX D Last Revised: July 2013

HAZARD EVALUATION AND RISK ANALYSIS

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D.1 Facility Hazard Evaluation

D.2 Vulnerability Analysis

D.2.1 Analysis of the Potential for a Spill

D.3 **Spill Detection / Prevention Inspection**

D.3.1 Spill Detection

D.3.2 Spill Prevention

Figure D.3-1 - Response Equipment Inspection

D.4 Planning Distance Calculations

Figure D.4-1 - Planning Distance Calculations

D.5 Discharge Scenarios

D.5.1 Small and Medium Discharge Scenarios

D.5.2 Worst Case Discharge (WCD) Scenario Discussion

Figure D.5-1 Trajectory Analysis

D.5.3 Description of Factors Affecting Response Efforts

D.6 Planning Volume Calculations

D.7 Spill Volume Calculations

D.7.1 EPA Portion of the Facility

D.7.2 DOT / PHMSA Portion of the Pipeline / Facility

D.8 Pipeline - Abnormal Conditions

D.9 Product Characteristics and Hazards

Figure D.9-1 - Summary of Commodity Characteristics

D.1 FACILITY HAZARD EVALUATION

A list of potential spill sources is identified in **FIGURE C-1**. This figure describes type and volumes of secondary containment areas along with tank manufacturer dates. All liquid storage tanks are visually inspected on a weekly basis. A description of facility operations is included in **FIGURE 1-2**.

D.2 VULNERABILITY ANALYSIS

A vulnerability analysis was performed to address the potential effects of an oil spill within the planning distance of this facility. Refer to **SECTION 6.7** for a detailed list of vulnerabilities. The following features may be impacted by a spill:

Water Intakes	Schools	Medical Facilities	Residential Areas	Businesses	Wetlands or other Sensitive Environments	Fish and Wildlife	Lakes and Streams	Endangered Flora and Fauna	Recreational Areas	Transportation Routes (air, land, water)	Utilities	Other Applicable Areas
x	x		x	x	x	x	x	x	x	x	x	x

D.2.1 Analysis of the Potential for a Spill

The probability of a spill occurring at this facility is minimal for the following reasons:

- Tanks are constructed in accordance with applicable engineering standards.
- Tank age is reviewed as a potential factor (refer to **FIGURE C-1**).
- Truck loading facilities are equipped with concrete pads with a spill collection drain system which returns spills to the recovery system.
- All trucks are monitored during tank unloading procedures.
- Product transfers, involving pipeline or marine vessel activity, are monitored as required by government regulations. Critical aspects of transfers (e.g., tank changes) which occur during normally unmanned hours are monitored by Pipeline Control Center staff (if applicable) and/or by overtime-duty staff brought in as needed.
- Facility tanks are inspected for evidence of corrosion and leaks according to applicable API 653 standards. Integrity and leak testing of buried piping is performed at the time of installation, modification, construction, relocation, or replacement. When a buried pipe section is exposed, it is examined, documented, and corrective actions are taken as necessary.
- Personnel are trained in procedures to prevent pollution.
- The horizontal range of a spill is dependent upon the topography and distance to the nearest water body described in more detail in **FIGURE D.4-1**.
- Company personnel prepare for natural disasters by monitoring weather reports and warnings and taking appropriate safety precautions.
- The potential for a natural disaster is acknowledged, as appropriate, during drills and exercises.
- Spill History is reviewed to understand historical conditions which lead to spills. After action investigations generate process upgrades to limit the potential of future incidents.

Natural disasters are not likely at this facility; however, this facility may experience severe weather (e.g., thunder storms, blizzards), flooding or tornadoes.

D.2.1 Analysis of the Potential for a Spill

- At this facility tanks are inspected and maintained in general accordance with industry standards and there have been no spills due to tank leaks or failures.
- Other Factors (such as unstable soil, earthquake zones, karst topography, etc.) are considered in the assessing the likelihood of a release occurring. This facility is located in a region that is considered to have a moderate seismic hazard and the soils underlying the Terminal are considered to be moderately liquefiable. Soils in the region generally consist of flood plain (Beaucoup silty clay loam and clayey fluvaquents) and underlain by competent sandstone and limestone of the Lower Pope Group (Aux Vases Sandstone through Glen Dean Limestone). The underlying bedrock is not considered to be karstic.
- The Terminal is staffed 24 hours per day / seven days per week.

D.3 SPILL DETECTION / PREVENTION INSPECTION

D.3.1 Spill Detection

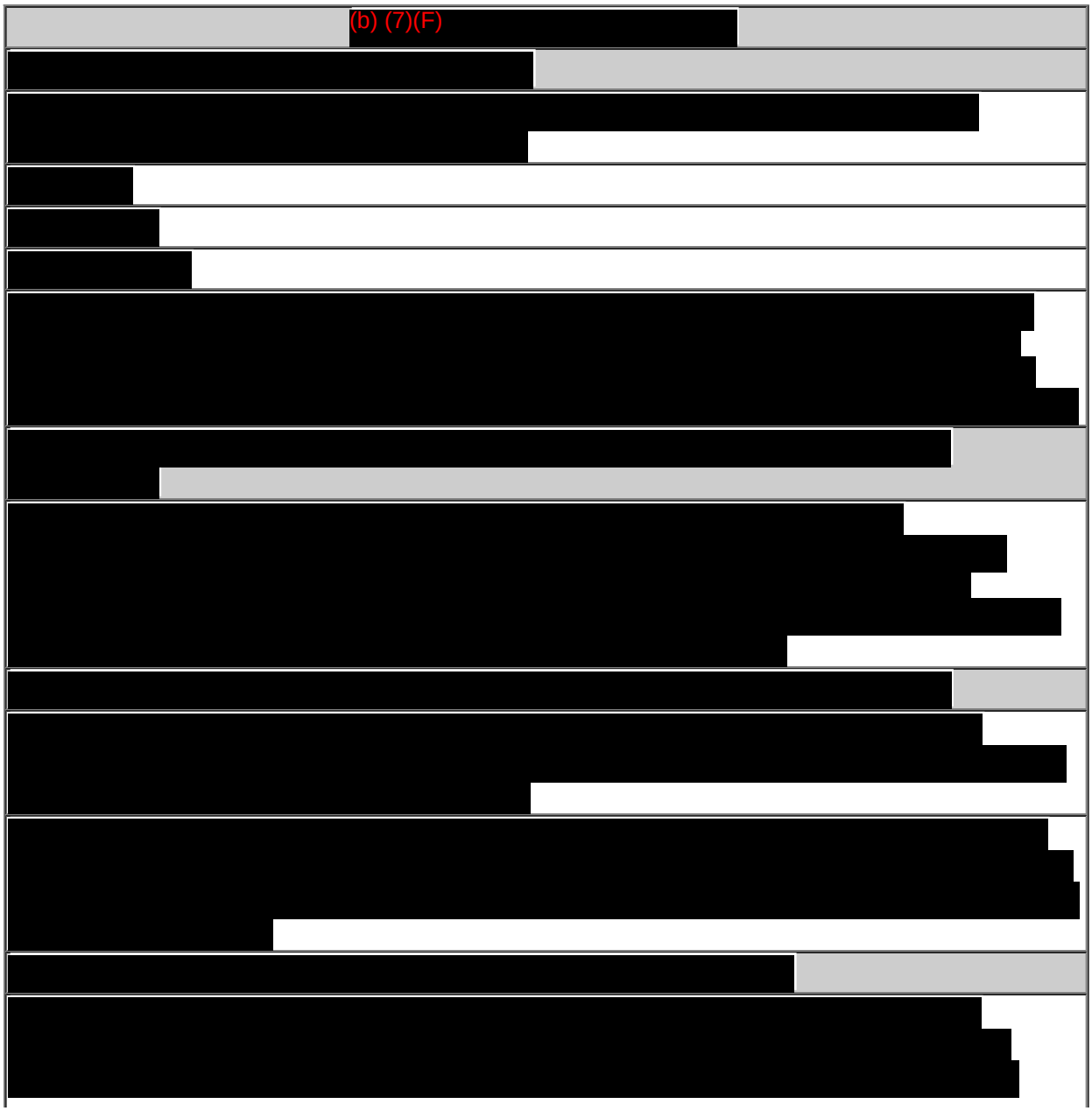
D.3.1 Spill Detection
Inspection
In accordance with 40 CFR 112.7 (e)(8), each facility includes written procedures and records of inspection. The inspection shall include tanks, secondary containment, and response equipment at the facility.
Facility self-inspection requires two steps:
Checklist of items to inspect and
Method of recording the actual inspection and its findings; records must be maintained for five years.
Facility specific procedures for transfer and secondary containment inspections are described in the SPCC plan and summarized in APPENDIX C: FIGURE C-5. Response equipment inspection information is provided in SECTION 7.1.2. FIGURE D.3-1 may be used to record equipment inspection information. Terminal inspections are managed with and located in a Computer Maintenance Management System (CMMS, such as Maximo).
Detection
Detection of a discharge from the Company system may occur in a number of ways including:
(b) (7)(F) [redacted]
Visual detection by Company personnel, or
Visual detection by the public.

(b) (7)(F)



D.3.1 Spill Detection, CONTINUED

(b) (7)(F)



(b) (7)(F)

D.3.1 Spill Detection, CONTINUED

D.3.1 Spill Detection, Continued
(b) (7)(F)
Visual detection by Operating personnel
Tank and piping areas are inspected twice daily, during a walk-through inspection. As a Terminal Operator makes rounds through the Terminal, the valves and flanges of each tank are inspected for leaks. Foundation areas are inspected for evidence of seepage. Pipelines are inspected for leaks. All areas are inspected for accumulated petroleum products. Areas of any ponded water and site drainage features are inspected for accumulated oil or hydrocarbon sheens. In addition a daily inventory reconciliation is done Monday ? Friday. If an unusual imbalance is found during the reconciliation process an investigation is conducted to determine if a release is associated with the discrepancy.

D.3.1 Spill Detection, CONTINUED

D.3.1 Spill Detection, Continued
Visual detection by Operating personnel, Continued
Two (2) levels of inspection by personnel are provided at the Terminal, as follows:

1) On a routine day-to-day basis, tanks are observed as a matter of normal operating procedure. Documentation of the inspections is maintained within the Maximo system or a paper copy. A copy of the inspection may be printed upon request.
2) On at least a monthly basis, a closer visual inspection of the tanks, tank seams and tank accessories is made. Dates of these inspections are recorded and retained in the Maximo system.
Discharges to the land or surface waters also may be detected by Company personnel during regular operations. Should a leak be detected, the appropriate actions are taken, including, but not limited to:
Notifications as per SECTION 3.
A preliminary assessment of the incident area.
If appropriate, initiate initial response actions per SECTION 2.
FIGURE 2.1-2 provides a checklist for initial response actions.
Visual detection by the public
The general public can notify the terminal of any observed abnormal operating issues by contacting the Terminal Manager, Area Operations Manager or BP Notification Center. Phone numbers are posted on a sign at the main entrance gate. The Company representative receiving the call generally will implement the following actions: Investigate the issue or call a terminal technician to investigate the issue.
Notify the Terminal and region/designated office.
Dispatch Company personnel to the site to confirm discharge and conduct preliminary assessment.
Notify the Terminal Manager and Area Supervisor and provide assessment results.
Alarm Verification Procedures and Subsequent Actions
Refer to FIGURE 2-1 for a description of warning alarms at the Facility.

D.3.2 Spill Prevention

Programs designed to prevent spill emergencies include:

- Corrosion control programs,
- Preventative maintenance programs,
- Controller training programs,
- Operator training programs,
- 24-hour emergency telephone numbers,
- (b) (7)(F)
- Inspection programs,
- Emergency response drills,

- Maintaining containment systems around tankage,
- Membership in one-call organizations, and
- Public awareness programs.

The purpose of these programs is to prevent or mitigate a potential release and subsequent emergency response.

FIGURE D.3-1 - RESPONSE EQUIPMENT INSPECTION

Records are maintained on-site for five (5) years. Other versions of this form may be used. Refer to **APPENDIX G** for additional information.

ITEM	QUANTITY	LOCATION	TIME TO ACCESS/RESPOND	CONDITION	DATE USED/TESTED	SHELF LIFE	INSPECTION DATE

Inspector's Signature

D.4 PLANNING DISTANCE CALCULATIONS

To evaluate the potential risk to sensitive resources in the area, should a spill occur, a planning distance was calculated based on the following characteristics of this Facility and vicinity according to 40 CFR 112, Appendix C Attachment C-III (40 CFR 112 C-III). Factors utilized include distance to the nearest body of moving water/storm sewer/drainage ditch or swale, geology, and topography of the area.

The planning distance was determined for a discharge that reaches the closest navigable water of the United States. Where the facility is adjacent to the closest navigable water, the planning distance calculation assumes that the time for a discharge to enter the water is negligible and the planning distance is based on movement of the discharge on the receiving water. Default planning distances are used for tidally influenced waters in accordance with 40 CFR Part 112 C-III 4.2 and US Coast Guard regulations 33 CFR 154.1305(b)(4)(iii)(B)(1), as described at the end of **FIGURE D.4-1**.

For oil transport on moving navigable water, velocity for the planning distance calculation is determined using the data from the closest representative U.S. Geological Survey (USGS) Gage Station instead of using the Chezy-Manning formula to calculate a velocity. In accordance with 40 CFR 112 C-III (2.5), data from a range of events is evaluated to determine the appropriate velocity, as shown in the supporting calculations. If data from a USGS Gage Station is not available for determining the velocity, then the Chezy-Manning formula will be used.

FIGURE D.4-1 provides the planning distance calculation worksheets for this Facility, based on using the Chezy-Manning formula to calculate a velocity.

Where USGS Gage Station data is used to determine the velocity, planning distance calculations, with supporting information and worksheets, are attached.

FIGURE D.4-1 - PLANNING DISTANCE CALCULATIONS

Intermediate Calculations

$\propto$ = elevation (in feet) = [stream elevation @ facility] - [stream elevation @ receptor (or 20 mile point)]

ß = horizontal distance from facility to receptor (or 20 mile point) in miles

s = average steam slope = ∝/ ß / 5280

r = hydraulic radius (in feet) = average mid channel depth x 0.667

n = Manning's roughness coefficient from Table A

To calculate stream velocity (in ft./sec.), use: $v = 1.5/n \times r^{2/3} \times s^{1/2}$

Calculation of **PLANNING DISTANCE**

d = calculated planning distance (miles)

v = Chezy-Manning based stream velocity (ft./Sec.)

t = spill response time interval

c = 0.68 (sec-mile/hr-ft conversion factor)

d = v x t x c = planning distance equation

Table A	
Manning's Roughness Coefficient for Various Natural Stream Types (n)	
Minor Streams (Top width < 100 ft.)	
Clean:	
Straight	.03
Winding	.04
Sluggish (woody, deep pools):	
No trees/brush	.06
Trees and/or brush	.10
Major Streams (Top width > 100 ft.)	
Regular section:	
No boulders/brush	.036
Irregular section:	
Brush	.06

FIGURE D.4-1 - PLANNING DISTANCE CALCULATIONS, CONTINUED

Site Investigation

The following information is utilized to calculate the planning distance for each facility.

From USGS Quad/Topographic Sheets

- Delineate watershed and downgradient receptor streams for runoff/release
- Determine whether navigable water is within 0.5 miles of the facility (or would be in worst case discharge scenario)

From Facility

- Identify alternate drainage pathways to navigable waters; namely storm drainage system/piping
- Establish list of soil or other factors effecting transport of oil over land

From maps, local/state authorities or investigation

- Identify fish/wildlife sensitivities and habitats in downgradient areas along with public drinking water intake locations
- Determine stream pool elevations at facility and at receptor points or at 20 miles downstream (maximum) for more distant receptors
- Characterize stream properties for accurate determination of roughness coefficient (n) and average mid-channel depth or hydraulic radius (r)

The total planning distance equals d = v x t x c.

	Wood River - 1. Overland Flow
First receptor	N/A
First receptor location (miles)	N/A
∝ (feet)	N/A
ß (miles)	N/A
s (feet/mile)	N/A
Avg. mid-channel depth (feet)	N/A
r (feet)	N/A
n	varies from 0.015 to 0.060 along flow path
v (feet/second)	0.14 (Average velocity)
t (hours)	22
c (seconds per mile/hours per foot)	0.68
d (total planning distance)	2.1 miles (Modeled using HydroCAD, see attached calculations package)

FIGURE D.4-1 - PLANNING DISTANCE CALCULATIONS, CONTINUED

The total planning distance equals d = v x t x c.

	Wood River - 2. Flow in Mississippi River
First receptor	N/A
First receptor location (miles)	N/A
∝ (feet)	N/A
ß (miles)	N/A
s (feet/mile)	N/A
Avg. mid-channel depth (feet)	N/A

r (feet)	N/A
n	N/A
v (feet/second)	5.5 (Velocity Data US Army Corps of Engineers St. Louis District, see attached calculations package)
t (hours)	5
c (seconds per mile/hours per foot)	0.68
d (total planning distance)	18.7 miles (use Planning Distance of 20 miles downstream on Mississippi River)

D.5 DISCHARGE SCENARIOS

The equipment and personnel to respond to a spill are available from several sources and are provided with the equipment and contractors in **SECTION 7.1.1** and **APPENDIX B.1.1**. The following sections are discussions of these scenarios.

D.5.1 Small and Medium Discharge Scenarios

- The purpose of this section is to identify the sources and sizes of small and medium discharges as defined by OPA 90 regulations.
- Potential spill scenarios may include tank overflow, valve failure, tank failure, pipe failure, hose failure, or pump seal failure.
- The Company would respond to these types of incidents, regardless of agency jurisdiction, in the same manner as a worst case discharge, but at a level appropriate to the incident size; differences in response are described in the worst case scenario discussion described in this Appendix. The Company's response in such an event would in no way obviate the liability of any other responsible parties.
- Resources are identified in **FIGURE 3.1-4**, **SECTION 7.1.1**, and **APPENDIX B.1.1**.
- Terminal has contracted with OSROs to provide the required resources for oil spill response at the Facility within the applicable response tier requirements (Tier 1 = 12 hours; Tier 2 = 36 hours;
  Tier 3 = 60 hours).

For a small discharge, the Terminal has:

Contracted with spill response contractors that can provide 1,000 feet of containment boom within the required time limit for small discharge (i.e., one hour).

Contracted with spill response contractors that will provide sufficient oil recovery equipment with an aggregate effective daily recovery rate equal to the amount of oil discharged in a small discharge (i.e., 2,100 gallons) within the required time limit (i.e., two hours).

Sufficient oil storage capacity for recovered oily material equivalent to twice the effective daily recovery rate by using available tanks; obtaining portable tanks or tanker truck; and/or using spill contractor resources.

D.5.1 Small and Medium Discharge Scenarios, Continued

The following table lists various facility operations and corresponding components which might be the source of a small, medium, and worst case discharge:

FACILITY OPERATIONS AND COMPONENTS	SMALL DISCHARGE (up to 2,100 gallons)	MEDIUM DISCHARGE (2,100 to 36,000 gallons)	WORST CASE DISCHARGE (volume largest tank)
Oil transfer operations	Hose failure	Hose failure	Not applicable
Facility maintenance operations	Leak from periodic maintenance, line not completely drained when opened	Seal failure Overfill	Not applicable
Facility piping	Flange, gasket, threaded connection	Seal failure Overfill	Not applicable
Pumps and sumps	Seal failure Overfill	Seal failure Overfill	Not applicable
Oil storage tanks	Overfill	Overfill	Catastrophic failure of largest tank
Vehicle refueling	Hose failure	Pipeline failure Seal failure	Not Applicable
Age and condition of facility and components	Flange, gasket, threaded connector	Pipeline failure Seal failure	Catastrophic failure of largest tank

D.5.1 Small and Medium Discharge Scenarios, Continued

The following table describes Facility-specific EPA Small Discharge scenarios. Additional information on the Facility-specific initial response actions is in **FIGURE 2-1**.

SMALL DISCHARGE SCENARIO EPA Small Discharge or USCG Average Most Probable Discharge is a discharge of up to 50 barrels (2,100 gallons).
This Facility is a complex facility regulated by the EPA and USDOT PHMSA. A spill of this size is not expected to migrate offsite, because spilled material likely would be collected in the secondary containment systems or in low spots at the southeast or southwest corners. In addition, the Facility possesses sufficient quantities of absorbent pads and granular material to effectively respond to a small discharge. If a spill of this size was not contained, it could flow to the east, then towards the southeastern corner of the property and flow offsite through a culvert. A potential chain reaction to a spill of this type could be a fire caused by accidental sparks or other ignition sources. Weather impacts would be minimal since it is unlikely that product would leave the site. **Scenarios:** A small discharge at this facility would most likely occur due to a major equipment failure or

during product transfer. Examples may include, but not limited to:
- A small discharge at the truck loading rack or denatured ethanol unloading area could potentially be caused by a hose rupture or puncture of a truck compartment and result in products discharging onto the pavement and traveling towards the rack drains or to the east, respectively.
- A small discharge could potentially be caused by a tank leak or overfill, or a leak from piping, pumps, or valves inside a containment field, and result in products discharging onto the earthen dike floors and permeating into the ground.
- A small discharge could potentially be caused by a pipeline or valve leak in an undiked area and result in discharging onto the ground.
- A small discharge could potentially be caused by a a hose break during vehicle fueling area and result in discharging onto the ground.

A chain reaction of failures is not probable for these scenarios.

This type of discharge may potentially impact the land and/or water.

Site Plan Diagram is located in Figure 1-5 and Site Drainage Plan Diagram is located in Figure C-2.

Potential Discharge Flow Paths:
- A discharge at the truck loading rack would flow to the rack area drains to a belowground sump where it would be directed through the oil/water separator (OWS) prior to discharge. Travel offsite is not likely even if the drains are blocked or fail. The Facility inspects the drains and OWS daily to observe that this containment system is functioning properly.
- A discharge from a tank leak or overfill, or a leak from piping, pumps, or valves inside a containment field, would be contained within the secondary containment and travel offsite is not likely unless the secondary containment also fails. The Facility inspects the secondary containment dikes daily to observe that they are in good condition, so dike failure is not likely.

Note: Equipment and manpower resources are detailed in **FIGURE 3.1-3**, **FIGURE 3.1-4**, **SECTION 7.1.1**, and **APPENDIX B.1.1**.

D.5.1 Small and Medium Discharge Scenarios, Continued

SMALL DISCHARGE SCENARIO, CONTINUED
EPA Small Discharge or USCG Average Most Probable Discharge
is a discharge of up to 50 barrels (2,100 gallons).

Potential Discharge Flow Paths:
- A discharge at the denatured ethanol unloading area or from a pipeline, valve, or vehicle fueling in an undiked area in the Terminal Yard could cause a discharge that would flow east towards low spots in the southeast corner of the Terminal.
- A discharge at a pipeline in an undiked area north or south of the Tank Farm could cause a discharge that would flow towards low spots in the southwest and southeast corners of the Terminal.

Equipment Resources:
- Facility is equipped with a small amount of spill response equipment, as listed in Section 7.1.1. This equipment includes absorbent materials, front-end loader, culvert block, hand tools, etc. This equipment can be used to control a discharge by absorbing oil or constructing

berms or barriers to prevent oil from entering a waterway.
- Facility has contracts in place with OSROs and other spill response contractors to provide additional response resources, as described below and in FIGURE 3.1-4, SECTION 7.1.1, and APPENDIX B. The OSROS and response contractors are able to provide additional manpower and containment / clean-up equipment for the response operation on land, water, or adjacent shorelines.

Specifically, the Facility has identified sufficient resources, by contract or other approved means, to respond to a small discharge (see Appendix B.1). The OSROs and other spill response contractors shall, as appropriate, provide:
(i) 1,000 feet of containment boom and a means of deploying it within one (1) hour of the discovery of a spill
(ii) Oil recovery devices with an effective daily recovery capacity equal to the amount of oil discharged in a Small Discharge (i.e., 2,100 gallons). This equipment will be available at the Facility within two (2) hours of the detection of an oil discharge.
(iii) Oil storage capacity for recovered oily material equivalent to twice the effective daily recovery rate (i.e., 2,400 gallons).

Personal Resources:
- The Facility Tactical Response Team (TRT) is comprised of the Terminal Manger and operating personnel, and they would be assisted by local emergency responders and OSRO personnel. If additional on-site assistance is needed the regional Incident Management Team (IMT) which is comprised of selected individuals trained in managing a serious incident will be contacted.
- OSROs and other contractor responders will provide personnel as the situation requires.
- The TRT and /or IMT will conduct the overall response operations using the Incident Command System to manage response activities with adequate Facility, Corporate, and Contract Response personnel to continue operations until termination or for a minimum of seven (7) days.

D.5.1 Small and Medium Discharge Scenarios, Continued

The following table describes Facility-specific EPA Small Discharge scenarios. Additional information on the Facility-specific initial response actions is in **FIGURE 2-1**.

SMALL DISCHARGE RESPONSE RESOURCE
Tactical Response: - Terminal personnel (i.e., technician) discover release and shuts down transfers at the truck loading rack or contacts the Oil Movements Technician to shutoff pipeline deliveries. - Technician notifies the terminal manager of situation and calls 911, as needed. - Technician contacts other onsite personnel for assistance and notifies them of incident. - Terminal manager verifies with technician the size of release. - Terminal manager makes notifications to begin mobilization for response activities. Contacts made: (i) OSRO (ii) Area Manager (iii) Environmental Coordinator (iv) Safety Coordinator - Area Manager, Environmental Coordinator, and Safety Coordinator will begin making required external and internal notifications as indicated in Section 3.

- Terminal Manager (Incident / On-Scene Commander) begins coordinating response activities with local emergency responders and OSROs/spill response contractors depending on the incident and site conditions at this time.

- Incident Commander conducts a current hazard assessment:
(i) Has initial containment been successful or has product migrated offsite or further downstream.
(ii) Determine how fast product is migrating.
(iii) Approximate quantity (if any) that has passed initial containment.
(iv) Necessity for additional downstream protective measures.

If Discharge at the Truck Loading/Unloading Rack
- In the event of a spill, the rack would immediately be shut down by manually activating one of the Emergency Shut-Down Switches (ESDS) that are located at the rack.
- Technicians use Facility?s absorbent materials, hand tools, etc. to control and collect discharged oil.
- As appropriate, Technicians may allow discharge to enter the rack drainage system and allow the OWS to collect and contain oil.
- Vacuum trucks, absorbents, etc. to be used to recover free product. Begin recovery and evaluate temporary storage and disposal options.

If Discharge on ground (diked area)
- Technicians will confirm that drainage valves and/or pumps are closed and turned off (as appropriate) to prevent oil leaving containment area. Valves will be closed and pumps turned off, as needed.
- Vacuum trucks, absorbents, etc. to be used to recover free product. Begin recovery and evaluate temporary storage and disposal options.

If Discharge on ground (undiked area)
- Technicians use Facility?s absorbent materials, culvert block, hand tools, etc. to control and contain discharged oil or direct to containment areas or an oil/water separator.
- As appropriate, Technicians may allow discharge to enter the drainage system and flow to the OWS to be collected and contained.
- Vacuum trucks, absorbents, etc. to be used to recover free product. Begin recovery and evaluate temporary storage and disposal options.

Note: Equipment and manpower resources are detailed in **FIGURE 3.1-3**, **FIGURE 3.1-4**, **SECTION 7.1.1**, and **APPENDIX B.1.1**.

D.5.1 Small and Medium Discharge Scenarios, Continued

SMALL DISCHARGE RESPONSE RESOURCE, CONTINUED

If Discharge enters or may enter a waterway
- As appropriate, Terminal Personnel will request the OSRO or Spill Contractor to deploy boom downstream of Terminal. Note that gasoline releases will not be boomed and will typically be allowed to dissipate naturally.
- Watch leading edge of discharge and install additional containment boom, as needed.
- Hold current status briefing and evaluation of options.
- Assess shoreline conditions to visually detect potential impacts from discharged product by walking banks.

- Skimmers, vacuum trucks, etc. to be used to recover free product behind boom. Begin recovery and evaluate temporary storage and disposal options.

D.5.1 Small and Medium Discharge Scenarios, Continued

The following table describes Facility-specific EPA Medium Discharge scenarios. Additional information on the Facility-specific initial response actions is in **FIGURE 2-1**.

MEDIUM DISCHARGE SCENARIO EPA Medium Discharge is a discharge of 2,100 gallons up to 36,000 gallons (857 barrels). (Note: USCG Maximum Most Probable Discharge is 50,400 gallons or 1,200 barrels.)
This Facility is a complex facility regulated by the EPA and USDOT PHMSA. A spill of this size is not expected to migrate offsite, because spilled material likely would be collected in the secondary containment systems or in low spots at the southeast or southwest corners. If a spill of this size was not contained, it could flow to the east, then towards the southeastern corner of the property and flow offsite through a culvert. A potential chain reaction to a spill of this type could be a fire caused by accidental sparks or other ignition sources. Weather impacts would be minimal since it is unlikely that product would leave the site. **Scenarios:** A medium/maximum most probable discharge at this facility would most likely occur due to a major equipment failure or during product transfer. Examples may include, but are not limited to: - A medium discharge at the truck loading rack or denatured ethanol unloading area could potentially be caused by a puncture or rupture of a truck compartment and result in products discharging onto the pavement and traveling towards the rack drains or to the east, respectively. A chain reaction of failures could result from more than one the rupture of compartment or a collision between trucks. - A medium discharge could potentially be caused by a tank leak or overfill, or a leak from piping, pumps, or valves inside a containment field, and result in products discharging onto the earthen dike floors and permeating into the ground. A chain reaction of failures is not probable. - A medium discharge could potentially be caused by a pipeline or valve leak in an undiked area and result in products discharging onto the ground. A chain reaction of failures is not probable. This type of discharge may potentially impact the land and/or water. Site Plan Diagram is located in Figure 1-5 and Site Drainage Plan Diagram is located in Figure C-2. **Potential Discharge Flow Paths:** - A discharge at the truck loading rack would flow to the rack area drains to OWS. Travel offsite is not likely even if the drains are blocked or fail. The Facility inspects the drains and OWS daily to observe that this containment system is functioning properly. - A discharge from a tank leak or overfill, or a leak from piping, pumps, or valves inside a containment field, would be contained within the secondary containment and travel offsite is not likely unless the secondary containment also fails. The Facility inspects the secondary containment dikes daily to observe that they are in good condition, so dike failure is not

likely.

Note: Equipment and manpower resources are detailed in **FIGURE 3.1-3**, **FIGURE 3.1-4**, **SECTION 7.1.1**, and **APPENDIX B.1.1**.

D.5.1 Small and Medium Discharge Scenarios, Continued

MEDIUM DISCHARGE SCENARIO, CONTINUED
EPA Medium Discharge is a discharge of 2,100 gallons up to 36,000 gallons (857 barrels).
(Note: USCG Maximum Most Probable Discharge is 50,400 gallons or 1,200 barrels.)

Potential Discharge Flow Paths:
- A discharge at the denatured ethanol unloading area or from a pipeline, valve or vehicle fueling in an undiked area in the Terminal Yard could cause a discharge that would flow east towards low spots in the southeast corner of the Terminal and could travel offsite through the culvert in the southeast corner.
- A discharge at a pipeline in an undiked area north or south of the Tank Farm could cause a discharge that would flow towards low spots in the southwest and southeast corners of the Terminal and could travel offsite through the culvert in the southeast corner.

Equipment Resources:
The Facility will initially respond to a Medium Discharge in a similar manner as for the Small Discharge until the extent of the incident is determined.
- Facility is equipped with a small amount of spill response equipment, as listed in Section 7.1.1. This equipment includes absorbent materials, front-end loader, culvert block, hand tools, etc. This equipment can be used to control a discharge by absorbing oil and/or constructing berms or barriers to prevent oil entering a waterway, etc.
- Facility has contracts in place with OSROs and other contractors to provide additional response resources, as described below and in FIGURE 3.1-4, SECTION 7.1.1, and APPENDIX B. The OSROS and response contractors are able to provide additional manpower and containment / clean-up equipment for the response operation on land, water, or adjacent shorelines.

Specifically, the Facility has identified sufficient resources, by contract or other approved means, to respond to a medium discharge (see Appendix B.1). The OSROs and other spill response contractors shall, as appropriate, be :
(i) Capable of arriving at the Facility within the required response resources for each Tier within the required time limits (Tier 1 =12 hours; Tier 2 = 36 hours; Tier 3 = 60 hours). For a medium discharge, OSROs are capable of providing sufficient oil recovery devices with an effective daily recovery capacity of 1,200 barrels on-scene (i.e., at the Terminal) within 12 hours.
(ii) Capable of providing sufficient containment boom for oil collection and containment and for protection of fish and wildlife and sensitive areas in the event that the spill migrates offsite and impacts or threatens to impact the Mississippi River, or other sensitive areas.
(iii) Have sufficient oil storage capacity to sustain the effective daily recovery capacities from equipment identified above will be provided by the OSROs and/or made available within the Facility's available storage facilities. Additional recovery and storage equipment may be secured from other BP Products facilities and contract resources, as the situation demands.

D.5.1 Small and Medium Discharge Scenarios, Continued

MEDIUM DISCHARGE SCENARIO, CONTINUED EPA Medium Discharge is a discharge of 2,100 gallons up to 36,000 gallons (857 barrels). (Note: USCG Maximum Most Probable Discharge is 50,400 gallons or 1,200 barrels.)
Personal Resources: - The Facility Tactical Response Team (TRT) is comprised of the Terminal Manger and operating personnel, and they would be assisted by local emergency responders and OSRO personnel. If additional on-site assistance is needed the regional Incident Management Team (IMT) which is comprised of selected individuals trained in managing a serious incident will be contacted. - OSROs and other contractor responders will provide personnel as the situation requires. - The TRT and /or IMT will conduct the overall response operations using the Incident Command System to manage response activities with adequate Facility, Corporate, and Contract Response personnel to continue operations until termination or for a minimum of seven (7) days.

D.5.1 Small and Medium Discharge Scenarios, Continued

The following table describes Facility-specific EPA Medium Discharge scenarios. Additional information on the Facility-specific initial response actions is in **FIGURE 2-1**.

MEDIUM DISCHARGE RESPONSE RESOURCE
Tactical Response: - Terminal personnel (i.e., technician) discover release and shuts down transfers at the truck loading rack or contacts the Oil Movements Technician to shutoff pipeline deliveries - Technician notifies the terminal manager of situation and calls 911, as needed. - Technician contacts other onsite personnel for assistance and notifies them of incident. - Terminal manager verifies with technician the size of release. - Terminal manager makes notifications to begin mobilization for response activities. Contacts made: (i) OSRO (ii) Area Manager (iii) Environmental Coordinator (iv) Safety Coordinator - Area Manager, Environmental Coordinator, and Safety Coordinator will begin making required external and internal notifications as indicated in Section 3. - Terminal Manager (Incident / On-Scene Commander) begins coordinating response activities with local emergency responders and OSROs/spill response contractors depending on the incident and site conditions at this time. - Incident Commander conducts a current hazard assessment: (i) Has initial containment been successful or has product migrated offsite or further downstream. (ii) Determine how fast product is migrating. (iii) Approximate quantity (if any) that has passed initial containment. (iv) Necessity for additional downstream protective measures.

If Discharge at the Truck Loading/Unloading Rack
- In the event of a spill, the rack would immediately be shut down by manually activating one of the Emergency Shut-Down Switches (ESDS) that are located at the rack.
- Technicians use Facility?s absorbent materials, hand tools, etc. to control and collect discharged oil.
- As appropriate, Technicians may allow discharge to enter the rack drainage system and allow the OWS to collect and contain oil.
- Vacuum trucks, absorbents, etc. to be used to recover free product. Begin recovery and evaluate temporary storage and disposal options.

If Discharge on ground (diked area)
- Technicians will confirm that drainage valves and/or pumps are closed and turned off (as appropriate) to prevent oil leaving containment area. Valves will be closed and pumps turned off, as needed.
- Vacuum trucks, absorbents, etc. to be used to recover free product. Begin recovery and evaluate temporary storage and disposal options.

If Discharge on ground (undiked area)
- Technicians use Facility?s absorbent materials, culvert block, hand tools, etc. to control and contain discharged oil or direct to containment areas or an oil/water separator.
- As appropriate, Technicians may allow discharge to enter the drainage system and flow to the OWS to be collected and contained.
- Vacuum trucks, absorbents, etc. to be used to recover free product. Begin recovery and evaluate temporary storage and disposal options.

Note: Equipment and manpower resources are detailed in **FIGURE 3.1-3**, **FIGURE 3.1-4**, **SECTION 7.1.1**, and **APPENDIX B.1.1**.

D.5.1 Small and Medium Discharge Scenarios, Continued

MEDIUM DISCHARGE RESPONSE RESOURCE, CONTINUED

If Discharge enters or may enter a waterway
- As appropriate, Terminal Personnel will request the OSRO or Spill Contractor to deploy boom downstream of Terminal. Note that gasoline releases will not be boomed and will typically be allowed to dissipate naturally.
- Watch leading edge of discharge and install additional containment boom, as needed.
- Hold current status briefing and evaluation of options.
- Assess shoreline conditions to visually detect potential impacts from discharged product by walking banks.
- Skimmers, vacuum trucks, etc. to be used to recover free product behind boom. Begin recovery and evaluate temporary storage and disposal options.

D.5.2 Worst Case Discharge (WCD) Scenario Discussion

APPENDIX D.7 provides worst case discharge calculations. Discussion of this scenario is as follows:

Upon discovery of a spill, the following procedures would be followed:

1. The First Responder would notify the Facility Terminal Manager (Alternate Qualified Individual) and notifications would be initiated in accordance with **FIGURE 2-1**. The Facility Terminal Manager will contact the Primary Qualified Individual, as appropriate.

2. The Alternate or Primary Qualified Individual would assume the role of Incident Commander until relieved and would initiate response actions and notifications in accordance with **SECTION 2**. If this were a small spill, the local/company personnel may handle all aspects of the response. Among those actions would be to:

    - Conduct safety assessment in accordance with **FIGURE 2-1** and evacuate personnel as needed in accordance with **SECTION 2**.
    - Direct responders to shut down ignition sources.
    - Direct personnel to position resources in accordance with **SECTION 2.1**.
    - Complete Preliminary Incident Report Form in accordance with **SECTION 3**.
    - Ensure regulatory agencies are notified.

3. If this were a small or medium spill, the Qualified Individual/Incident Commander may elect for the First Responder to remain the Incident Commander or to activate selected portions of the Facility Tactical Response Team (FTRT). However, for a large spill, the Qualified Individual would assume the role of Incident Commander and would activate the entire FTRT and may activate the Incident Management Team (IMT) in accordance with activation procedures described in **SECTION 4.2**.

4. The Incident Commander would then initiate spill assessment procedures including surveillance operations, trajectory calculations, and spill volume estimating in accordance with **SECTION 2.1.3**.

5. The Incident Commander would then utilize checklists in **SECTION 4** as a reminder of issues to address. The primary focus would be to establish incident priorities and objectives and to brief staff accordingly.

6. The FTRT or IMT (as appropriate) would develop the following plans, as appropriate (some of these plans may not be required during a small or medium spill):

    - Incident Briefing Form (**SECTION 5.2.1)**
    - Site Safety and Health (**SECTION 5.3)**
    - Incident Action Plan (**SECTIONS 5.2.3** through **5.2.5)**
    - Disposal (**SECTION 5.5)**
    - Site Security (**SECTION 5.6)**
    - Decontamination (**SECTION 5.4)**
    - Demobilization (**SECTION 5.7)**

7. The response would continue until an appropriate level of cleanup is obtained.

D.5.2 Worst Case Discharge (WCD) Scenario Discussion, Continued

The following table describes the Facility-specific EPA Worst-Case Discharge scenario.

WORST CASE Discharge Scenario
This Facility is a complex facility regulated by the EPA and USDOT PHMSA. **Scenario:** (b) (7)(F) [redacted]). This size discharge would most likely occur due to a natural disaster or catastrophic event. Seismic events or severe rain events, tornadoes, and associated flooding would also increase the chances of an oil spill from leaving the property. Severe weather or a seismic event could also negatively affect the response times of response contractors and other responders. Potential chain reactions of failures include, but are not limited to, fires, health hazards, and discharges of more than one product that may be increased by the weather conditions, but chain reactions failures are not expected. Examples of other WCD scenarios may include, but not be limited to: - Tank leak or rupture, or a leak from or rupture of piping, pumps, or valves inside a containment field, and result in product discharging onto the earthen dike floors and permeating into the ground. - Pipeline or valve leak or rupture in an undiked area at the Terminal, which results in product discharging onto the ground. A chain reaction of failures is not probable for these scenarios. This type of discharge may potentially impact the land and/or water. Site Plan Diagram is located in Figure 1-5 and Site Drainage Plan Diagram is located in Figure C-2. **Potential Discharge Flow Paths:** - A discharge from a tank leak or rupture, or a leak or rupture from piping, pumps, or valves inside a containment field, would likely be contained within the secondary containment. Tank field drainage flows to J16 sump, which has a manually-operated pump that is normally left ? Off,? except during monitored discharge events. From the sump, collected precipitation is then the pumped into the former BP Wood River refinery sewer system, which goes through the main OWS (located near the BP remediation office), through the Sump J-100 located in the Korea Tank Farm, and is pumped into the clariflotator tank at the Wood River wastewater treatment plant (WWTP). If the discharge volume from the former refinery sewer system is greater than the pumping rate at the Sump J-100, the excess flow is collected in the secondary containment area (i.e., ponds) at the BP riverfront property until it can be pumped back to the WWTP via the Sump J-100. Travel offsite is not likely unless the secondary containment also fails or the discharge causes product to splash over a dike wall. The Facility inspects the secondary containment dikes daily to observe that they are in good condition, so dike failure is not likely.

Note: Equipment and manpower resources are detailed in **FIGURE 3.1-3**, **FIGURE 3.1-4**, **SECTION 7.1.1**, and **APPENDIX B.1.1**.

D.5.2 Worst Case Discharge (WCD) Scenario Discussion, Continued

WORST CASE Discharge Scenario, CONTINUED

Potential Discharge Flow Paths:
- If the secondary containment fails or the discharge causes product to splash over a dike wall, the discharge would flow toward the southwest or southeast corners of the Terminal and may flow offsite via a culvert in the southeast corner. Discharge that flows through the culvert it would flow into the ditch along Old Edwardsville Road (SR 111) and is not expected to impact an environmentally sensitive area or flow to the Mississippi River.
- A discharge from a pipeline or valve leak in an undiked area would likely flow toward the low spots in the southwest corner or in the southeast corner, where it could flow offsite via the culvert at the southeast corner of the Terminal and enter the ditch along Old Edwardsville Road (SR 111) and is not expected to impact an environmentally sensitive area or flow to the Mississippi River,

Equipment Resources:
The Facility will initially respond to a WCD in a similar manner as for the Small or Medium Discharge until the extent of the incident is determined.
- Facility is equipped with a small amount of spill response equipment, as listed in Section 7.1.1. This equipment includes absorbent materials, front-end loader, culvert block, hand tools, etc. This equipment can be used to control a discharge by absorbing oil or constructing berms to prevent oil entering a waterway, etc.
- Facility has contracts in place with OSROs and other contractors to provide additional response resources, as described below and in FIGURE 3.1-4, SECTION 7.1.1, and APPENDIX B. The OSROS and response contractors are able to provide additional manpower and containment / clean-up equipment for the response operation on land, water, or adjacent shorelines.

Specifically, the Facility has identified sufficient resources, by contract or other approved means, to respond to a WCD (see Appendix B.1). The OSROs and other spill response contractors shall, as appropriate, be :
(i) Capable of arriving at the Facility within the required response resources for each Tier within the required time limits (Tier 1 = 12 hours; Tier 2 = 36 hours; Tier 3 = 60 hours). The required recovery capacities and storage volumes are described in Section D.7.
(ii) Capable of providing sufficient containment boom for oil collection and containment and for protection of fish and wildlife, as well as environmental and socio-economic sensitive areas in the event that the spill migrates offsite.

D.5.2 Worst Case Discharge (WCD) Scenario Discussion, Continued

WORST CASE Discharge Scenario, CONTINUED

(iii) Have sufficient oil storage capacity to sustain the effective daily recovery capacities from equipment identified above (i.e., temporary storage capacity equal to twice the daily recovery capacity) will be provided by the OSROs and/or made available within the Facility's available storage facilities. Additional recovery and storage equipment may be secured from other BP Products and contract resources, as the situation demands.
(iv) At least 20% of the on-water response equipment secured from the OSRO(s) and other

spill response contractors will be capable of operating in water of 6 feet or less depth.
(v) Resources capable of responding to a shoreline clean-up operation involving the calculated volume of oil and emulsified oil that might impact the shoreline will be secured from the OSRO(s) and other Company resources.

Personal Resources:
- The Facility Tactical Response Team (TRT) is comprised of the Terminal Manger and operating personnel, and they would be assisted by local emergency responders and OSRO personnel. If additional on-site assistance is needed the regional Incident Management Team (IMT) which is comprised of selected individuals trained in managing a serious incident will be contacted.
- OSROs and other contractor responders will provide personnel as the situation requires.
- The TRT and /or IMT will conduct the overall response operations using the Incident Command System to manage response activities with adequate Facility, Corporate, and Contract Response personnel to continue operations for a minimum of seven (7) days.

D.5.2 Worst Case Discharge (WCD) Scenario Discussion, Continued

The following table describes the Facility-specific EPA Worst-Case Discharge response resource.

WORST CASE Discharge RESPONSE RESOURCE
Tactical Response: - Terminal personnel (i.e., technician) discover release and shuts down transfers at the truck loading rack or contacts the Oil Movements Technician to shutoff pipeline deliveries. - Technician notifies the terminal manager of situation and calls 911, as needed. - Technician contacts other onsite personnel for assistance and notifies them of incident. - Terminal manager verifies with technician the size of release. - Terminal manager makes notifications to begin mobilization for response activities. Contacts made: (i) OSRO (ii) Area Manager (iii) Environmental Coordinator (iv) Safety Coordinator - Area Manager, Environmental Coordinator, and Safety Coordinator will begin making required external and internal notifications as indicated in Section 3. - Terminal Manager (Incident / On-Scene Commander) begins coordinating response activities with local emergency responders and OSROs/spill response contractors depending on the incident and site conditions at this time. - Incident Commander conducts a current hazard assessment: (i) Has initial containment been successful or has product migrated offsite or further downstream. (ii) Determine how fast product is migrating. (iii) Approximate quantity (if any) that has passed initial containment. (iv) Necessity for additional downstream protective measures. **If Discharge at the Truck Loading/Unloading Rack** - In the event of a spill, the rack would immediately be shut down by manually activating one of the Emergency Shut-Down Switches (ESDS) that are located at the rack.

- Technicians use Facility?s absorbent materials, hand tools, etc. to control and collect discharged oil.
- As appropriate, Technicians may allow discharge to enter the rack drainage system and allow the OWS to collect and contain oil.
- Vacuum trucks, absorbents, etc. to be used to recover free product. Begin recovery and evaluate temporary storage and disposal options.

If Discharge on ground (diked area)
- Technicians will confirm that drainage valves and/or pumps are closed and turned off (as appropriate) to prevent oil leaving containment area. Valves will be closed and pumps turned off, as needed.
- Vacuum trucks, absorbents, etc. to be used to recover free product. Begin recovery and evaluate temporary storage and disposal options.

If Discharge on ground (undiked area)
- Technicians use Facility?s absorbent materials, culvert block, hand tools, etc. to control and contain discharged oil or direct to containment areas or an oil/water separator.
- As appropriate, Technicians may allow discharge to enter the drainage system and flow to the OWS to be collected and contained.
- Vacuum trucks, absorbents, etc. to be used to recover free product. Begin recovery and evaluate temporary storage and disposal options.

Note: Equipment and manpower resources are detailed in **FIGURE 3.1-3**, **FIGURE 3.1-4**, **SECTION 7.1.1**, and **APPENDIX B.1.1**.

D.5.2 Worst Case Discharge (WCD) Scenario Discussion, Continued

WORST CASE Discharge RESPONSE RESOURCE, CONTINUED

If Discharge enters or may enter a waterway
- As appropriate, Terminal Personnel will request the OSRO or Spill Contractor to deploy boom downstream of Terminal. Note that gasoline releases will not be boomed and will typically be allowed to dissipate naturally.
- Watch leading edge of discharge and install additional containment boom, as needed.
- Hold current status briefing and evaluation of options.
- Assess shoreline conditions to visually detect potential impacts from discharged product by walking banks.
- Skimmers, vacuum trucks, etc. to be used to recover free product behind boom. Begin recovery and evaluate temporary storage and disposal options.

FIGURE D.5-1 TRAJECTORY ANALYSIS

Click here to view -Trajectory Analysis 09/08/2010

D.5.3 Description of Factors Affecting Response Efforts

There are many factors which may affect the ability to respond to an incident. The factors are

described in the following table:

FACTORS	CONSIDERATIONS AFFECTING RESPONSE EFFORTS
Size of spill	• Small up to 2,100 gallons (50 barrels) • Medium more than 2,100 gallons to 36,000 gallons (857 barrels) • WCD 857 barrels to terminal capacity; refer to **APPENDIX D.7**. • Location of spill in relation identified sensitivities and/or sensitive areas. • Spread and spill movement.
Proximity to down gradient water intakes	• Refer to **SECTION 6.7** for a list of facilities with water intakes on the Mississippi River and to **SECTION 6.8** for maps showing proximity to down gradient water intakes
Proximity to fish and wildlife and sensitive environments	• A release could impact fish, wildlife, and sensitive environments as described in **SECTION 6.6** and **SECTION 6.7**.
Likelihood that discharge will travel off-site	• A small spill is unlikely to travel off-site. • A medium spill has the potential to travel off-site via adjacent waterways. • A worst case discharge has the greatest potential to travel off-site if a pipeline failure occurs in an undiked area or if secondary containment is breached.
Location of material spilled	• Facility tankage, piping, and transfer areas shown on **FIGURE 1-5** and **APPENDIX C: FIGURE C-2**. Facility drainage information is shown on **APPENDIX C: FIGURE C-2**.

D.5.3 Description of Factors Affecting Response Efforts

There are many factors which may affect the ability to respond to an incident. The factors are described in the following table:

FACTORS	CONSIDERATIONS AFFECTING RESPONSE EFFORTS
Material discharged	Materials handled by the Terminal that may be released / discharged include: • Denatured Ethanol • Diesel Fuel / Distillate

	• Gasoline • Motor Oil • Transmix • Gasoline and denatured ethanol are considered non-persistent and not volatile; other products are considered non-persistent but not volatile.
Weather or aquatic conditions	• Facility area has the potential to be affected by hurricanes, tornadoes, flooding, and other severe weather.
Available remediation equipment	• The Company has response equipment available. • Resources are available through oil spill response contractors in quantities sufficient to meet applicable planning standards.
Probability of a chain reaction or failures	• Potential for a chain reaction or failure is remotely possible but not anticipated; secondary containment, response contractors, and trained personnel minimize the potential of such events.
Direction of spill pathway	• Refer to potential flow path description in **APPENDIX D.5.2** and **APPENDIX C: FIGURE C-2**: Site Drainage Diagram. • Refer to sensitivity maps in the **SECTION 6.8** • Wind direction and speed combined with currents will determine spill trajectory. • A discharge at: • Truck Loading Rack would flow to the rack area drains and through an oil/water separator with a 10,000-gallon capacity located in the Tank 295 containment area. Travel offsite is not likely even if the drains are blocked or fail. • Tank or from piping, pumps, or valves inside the containment field, would be contained within the secondary containment and travel offsite is not likely unless the secondary containment also fails or the pump at Sump J-16A is operating. • Denatured Ethanol Unloading Area or from a pipeline, valve leak or vehicle fueling in an undiked area in the Terminal Yard would flow to the east and enter a ditch, where it could flow southward and offsite through the culvert at the southeast corner of the Terminal, but is not expected to impact an environmentally sensitive area or flow to the Mississippi River. • A pipeline or valve in undiked areas to the north or

	south of the Tank Farm would flow toward low spots in the southwest or southeast corners and could flow offsite through the culvert at the southeast corner of the Terminal, but is not expected to impact an environmentally sensitive area or flow to the Mississippi River.
Disposal	• Refer to waste management procedures in **SECTION 7.3**.

D.6 PLANNING VOLUME CALCULATIONS

Once the worst case discharge volume has been calculated, response resources must be identified to meet the requirements of 40 CFR 112.20(h). Calculations to determine sufficient amount of response equipment necessary to respond to a worst case discharge is described below. A demonstration of the planning volume calculations is provided below.

D.7 SPILL VOLUME CALCULATIONS

D.7.1 EPA portion of the facility (non-transportation related)

The WCD for the EPA portion of the facility, as defined in 40 CFR 112, Appendix D, Part A, is calculated as:

- For multiple tank facilities with adequate secondary containment, the WCD is calculated as the capacity of the largest single aboveground oil storage tank within an adequate secondary containment area or the combined capacity of a group of aboveground oil storage tanks permanently manifolded together, whichever is greater.

TYPE	DESCRIPTION	PRODUCT	WCD VOLUME (BBLs)
(b) (7)(F)			

Planning volume data is included on the following page:

D.7 SPILL VOLUME CALCULATIONS, CONTINUED

EPA PLANNING VOLUME DATA

STEP	PARAMETER	(b) (7)(F)
(A)	WCD (bbls)	
(B)	Oil group	

(C)	*Geographic area	Rivers and Canals
(D1)	Percent lost to natural dissipation	80
(D2)	Percent recovered floating oil	10
(D3)	Percent oil onshore	10
(E1)	On water recovery (bbls)	(b) (7)(F)
(E2)	Shoreline recovery (bbls)	
(F)	Emulsification Factor	1.0
(G)	On water recovery resource mobilization factor	
(G1)	Tier I	0.30
(G2)	Tier II	0.40
(G3)	Tier III	0.60
Part II	On water recovery capacity (bbls/day)	
	Tier I	(b) (7)(F)
	Tier II	
	Tier III	
Part III	Shoreline cleanup volume (bbls/day)	
Part IV	On water response capacity by operating area (bbls/day)	
(J1)	Tier I	1,875
(J2)	Tier II	3,750
(J3)	Tier III	7,500
Part V	On water amount needed to be identified, but not contracted for in advance	
	Tier I	(b) (7)(F)
	Tier II	
	Tier III	

* R = Rivers and canals
N = Nearshore/Inland

D.7 SPILL VOLUME CALCULATIONS, CONTINUED

EPA PLANNING VOLUME DATA

STEP	PARAMETER	Wood River
(A)	WCD (bbls)	(b) (7)(F)
(B)	Oil group	
(C)	*Geographic area	Rivers and Canals

(D1)	Percent lost to natural dissipation	40
(D2)	Percent recovered floating oil	15
(D3)	Percent oil onshore	45
(E1)	On water recovery (bbls)	(b) (7)(F)
(E2)	Shoreline recovery (bbls)	
(F)	Emulsification Factor	1.8
(G)	On water recovery resource mobilization factor	
(G1)	Tier I	0.30
(G2)	Tier II	0.40
(G3)	Tier III	0.60
Part II	On water recovery capacity (bbls/day)	
	Tier I	(b) (7)(F)
	Tier II	
	Tier III	
Part III	Shoreline cleanup volume (bbls/day)	
Part IV	On water response capacity by operating area (bbls/day)	
(J1)	Tier I	1,875
(J2)	Tier II	3,750
(J3)	Tier III	7,500
Part V	On water amount needed to be identified, but not contracted for in advance	(b) (7)(F)
	Tier I	
	Tier II	
	Tier III	

* R = Rivers and canals
N = Nearshore/Inland

D.7.2 DOT / PHMSA Portion of Pipeline / Facility

The worst case discharge (WCD) for the DOT portion of the pipeline and/or facility, as defined in 49 CFR 194.105(b), as the largest volume of the following:

1. The pipeline's maximum shut-down response time in hours (based on historic discharge data or in the absence of such data, the operators best estimate), multiplied by the maximum flow rate expressed in barrels per hour (based on the maximum daily capacity of the pipeline), plus the largest drainage volume after shutdown of the line section(s) in the response zone expressed in barrels; or

2. The largest foreseeable discharge for the line section(s) within a response zone, expressed in barrels (cubic meters), based on the maximum historic discharge, if one exists, adjusted for any subsequent corrective or preventative action taken; or

3. If the response zone contains one or more breakout tanks, the capacity of the single largest tank or battery of tanks within a single secondary containment system, adjusted for the capacity or size of the secondary containment system, expressed in barrels.

Under PHMSA's current policy, operators are allowed to reduce the worst case discharge volume derived from 49 CFR 194.105(b)(3) by no more than 75% if an operator is taking certain spill prevention measures for their breakout tanks and presents supporting information in the response plan. An operator can reduce the worst case discharge volume based on breakout tanks in the response zones as follows:

SPILL PREVENTION MEASURES	PERCENT REDUCTION ALLOWED
Secondary containment capacity greater than 100% capacity of tank and designed according to NFPA 30	50%
Tank built, rebuilt, and repaired according to API Std 620/650/653	10%
Automatic high-level alarms/shutdowns designed according to NFPA/API RP 2350	5%
Testing/cathodic protection designed according to API Std 650/651/653	5%
Tertiary containment/drainage/treatment per NFPA 30	5%*
Maximum allowable credit or reduction	75%

* Note: The facilities do not have tertiary containment.

The worst case discharge for each response zone was based on the largest volume of the three criteria given above.

D.7.2 DOT / PHMSA portion of pipeline/facilities, Continued

The line sections with the highest throughput and largest drainage volume between block valves on pump stations were chosen to calculate the pipeline worst case discharge. Although the entire discharge volume of each line was used for the worst case discharge, in an actual spill event, it would take days to drain the line completely. The line would be sealed early in the response effort.

All of the breakout tanks in the pipeline system are within adequate secondary containment, therefore, the discharge volumes for the largest tank was determined by adjusting the total tank volume downward by 50% per the Company guidelines.

Considering the volume of release from a line break compared to that of historic discharge in each zone and to the volumes released from a tank failure, the tank failure was found to represent the worst case scenario.

The maximum historic discharge is not applicable for WCD covered by this plan. Given below

are the tank and pipeline WCD calculations for this plan.

The worst case discharge for each pipeline segment is the largest breakout tank. These tank volumes are as follows:

(b) (7)(F)

D.7.2 DOT / PHMSA portion of pipeline/facilities, Continued

The worst case tank volume is calculated as follows:

Largest tank x Credit for containment tank standards = Tank standards credit

The Company has implemented all of the spill prevention measures, listed on the previous page, except tertiary containment. Therefore, the percent reduction allowed for credit equals 50% and the worst case discharge volume is 50% of the total volume.

(b) (7)(F) at the Not Applicable.

(b) (7)(F)

D.8 PIPELINE - ABNORMAL CONDITIONS

PHMSA considers the “substantial threat” term to be equivalent to the “abnormal conditions” term under 49 CFR Part 195.402(d), procedures to identify events and conditions that can pose a threat of Worst Case Discharge, and actions to take for preventing and mitigating such events and conditions, are described in the Operating, Maintenance, and Emergency Procedures for Hazardous Liquids Manual.

D.9 PRODUCT CHARACTERISTICS AND HAZARDS

This Facility may store various types of commodities, including, but not limited to:

- Denatured Ethanol
- Diesel Fuel / Distillate
- Gasoline
- Motor Oil
- Transmix

The key chemical and physical characteristics of each of these oils and/or other small quantity products/
chemicals are identified in the MSDS. The MSDS can be obtained by the facility via the Company intranet at http://msds.bpweb.bp.com/login.asp.

FIGURE D.9-1 describes primary oils handled.

FIGURE D.9-1 - SUMMARY OF COMMODITY CHARACTERISTICS

COMMON NAME	MSDS NAME	HEALTH HAZARD	FLASH POINT	SPECIAL HAZARD	REACTIVITY	HEALTH HAZARD WARNING STATEMENT
Denatured Ethanol	Denatured Ethyl Alcohol	1	3	0	0	May cause nervous system depressions or effects.
Diesel Fuel / Distillate	Ultra Low Sulfur Disel	1	2	0	0	Prolonged/repeated skin exposure, inhalation or ingestion of this material above the recommended limits may result in adverse dermal or systemic effects.
Gasoline	RFG Unleaded Gasoline	1	3	C	0	Contains benzene, a chemical known to cause cancer in humans. Repeated and prolonged overexposure to benzene vapors may cause leukemia, aplastic anemia, or other blood disorders, immunotoxicity, reproductive harm,

						or fetal toxicity.
Motor Oil	Apropriate Product Name	0	1	C	0	May cause irritation to eyes, nose and throat due to exposure to vapour, mists or fumes. May be harmful by inhalation. Prolonged or repeated exposure may lead to dermatitis. May cause skin cancer.
Transmix	Transmix	2	3	C	0	Contains benzene, a chemical known to cause cancer in humans. Repeated and prolonged overexposure to benzene vapors may cause leukemia, aplastic anemia, or other blood disorders, immunotoxicity, reproductive harm or fetal toxicity.

Health Hazard	**4 = Extremely Hazardous** **3 = Hazardous** **2 = Warning** **1 = Slightly Hazardous** **0 = No Unusual Hazard**	**Fire Hazard (Flash Point)**	**4 = Below 73?F, 22?C** **3 = Below 100?F, 37?C** **2 = Below 200?F, 93?C** **1 = Above 200?F, 93?C** **0 = Will not burn**
Special Hazard	**A = Asphyxiant** **C = Contains Carcinogen** **W = Reacts with Water** **Y = Radiation Hazard** **COR = Corrosive** **OX = Oxidizer** **H_2S = Hydrogen Sulfide** **P = Contents under Pressure** **T = Hot Material**	**Reactivity Hazard**	**4 = May Detonate at Room Temperature** **3 = May Detonate with Heat or Shock** **2 = Violent Chemical Change with High Temperature and Pressure** **1 = Not Stable if Heated** **0 = Stable**

APPENDIX E Last Revised: August 2010

CROSS-REFERENCES

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Figure E-1 - EPA / FRP Cross-Reference

Figure E-2 - DOT / PHMSA Cross-Reference

Figure E-3 - OSHA Cross-Reference

Figure E-4 - EPA Response Plan Cover Sheet

FIGURE E-1 - EPA / FRP CROSS-REFERENCE

EPA FRP REQUIREMENTS	LOCATION
Response Plan Cover Sheet (sec. 2.0)	
General Information (sec. 2.1)	
Facility Name	Figure E-4
Facility Address	Figure E-4
Facility Telephone	Figure E-4
Mailing Address (if different from Facility Address)	Figure E-4
Facility Owner/Operator	Figure E-4
Facility Owner & Operator Address (recommended)	Figure E-4
Facility Owner Telephone (recommended)	Figure E-4
Dun and Bradstreet Number	Figure E-4
Longitude (degrees, minutes, seconds)	Figure E-4
Latitude (degrees, minutes, seconds)	Figure E-4
North American Industrial Classification System (NAICS) Code	Figure E-4
Facility Start Up Date (recommended)	Figure E-4
Facility Acres (recommended)	Figure E-4
Name of Protected Waterway or Environmentally Sensitive Area	Figure E-4
Distance to Navigable Water	Figure E-4
Worst Case Discharge Amount	Figure E-4
Maximum Oil Storage Capacity	Figure E-4
Largest AST Capacity (gallons)	Figure E-4
Total Number of ASTs	Figure E-4
Total Number of USTs	Figure E-4
Total UST Storage	Figure E-4
Total Storage of Drums & Transformers that contain Oil	Figure E-4
Number of Surface Impoundments and Total Storage of Surface Impoundments	Figure E-4
Applicability of Substantial Harm Criteria (sec. 2.2)	Figure E-4
Certification (sec. 2.3)	Figure E-4
Model Facility-Specific Response Plan (sec. 1.0)	
Emergency Response Action Plan (ERAP) (sec. 1.1)	
Separate Section of FRP	ERAP
Qualified Individual (QI) Information (sec. 1.2) partial	ERAP - Figure 3-3
Emergency Notification Phone List (sec. 1.3.1) partial	ERAP - Figure 3-3, Figure 3-4
Spill Response Notification Form (sec. 1.3.1) partial	ERAP - Figure 3-2

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
Emergency Response Action Plan (ERAP) (sec. 1.1), Continued	
Response Equipment List and Location (sec. 1.3.2) complete	ERAP - Figure 5-2, Figure 5-3
Response Equipment Testing and Deployment (sec. 1.3.3) complete	ERAP - Figure 5-4
Facility Response Team List (sec. 1.3.4) partial	ERAP - Figure 3-3
Evacuation Plan (sec. 1.3.5) condensed	ERAP - Section 2.11, Section 2.11.1
Immediate Actions (sec. 1.7.1) complete	ERAP - Section 2.0
Facility Diagrams (sec. 1.9) complete	ERAP - Figure 6-1, Figure 6-2, Figure 6-3
Facility Information (sec. 1.2)	
Facility Name (sec. 1.2.1)	Figure 1-2
Street Address	Figure 1-2
City, State, Zip Code	Figure 1-2
County	Figure 1-2
Phone Number	Figure 1-2
Latitude and Longitude (sec. 1.2.2)	Figure 1-2
Wellhead Protection Area (sec. 1.2.3)	Figure 1-2
Owner/Operator (both names included, if different (sec. 1.2.4)	Figure 1-2
QuaIified Individual Information (sec. 1.2.5) (name, position, home and work street addresses, phone numbers) and description of specific response training experience	Figure 1-2, Figure A.2-2, Figure A.2-3
Date of Oil Storage Start-up (sec. 1.2.6)	Figure 1-2
Current Operation (sec. 1.2.7)	Figure 1-2
Dates and Types of Substantial Expansion (sec. 1.2.8)	Figure 1-2, Figure C-1
SIC and NAICS Codes	Figure 1-2
Emergency Response Information (sec. 1.3)	
Notification (sec. 1.3.1)	
National Response Center (NRC) phone number	Figure 3.1-4
Qualified Individual (day and evening) phone numbers	Figure 1-2, Figure 3.1-3
Company Response Team (day and evening) phone numbers	Figure 3.1-3
Federal On-Scene Coordinator (OSC) and/or Regional Response Center (day and evening) phone numbers	Figure 3.1-4
Local Response Team phone numbers (Fire	Figure 3.1-4

Department/Cooperatives)	
Fire Marshal (day and evening) phone numbers	Figure 3.1-4
State Emergency Response Commission (SERC) (day and evening) phone numbers	Figure 3.1-4
State Police phone number	Figure 3.1-4
Local Emergency Planning Committee (LEPC) phone number	Figure 3.1-4

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
Notification (sec. 1.3.1), Continued	
Local Water Supply System (day and evening) phone numbers	Figure 3.1-4
Weather Report phone number	Figure 3.1-4
Local Television/Radio Station phone number(s) for Evacuation Notification	Figure 3.1-4
Spill Response Contractor(s)	Figure 3.1-3, Figure 3.1-4
Hospital phone number	Figure 3.1-4
Wastewater Treatment Facility(s) name and phone number (recommended)	Section 6.8 (ISS)
Factories/Utilities with Water Intakes (recommended)	Section 6.8 (ISS)
Trustees of Sensitive Areas (recommended)	Section 6.8 (ISS)
Spill Response Notification Form	
• Reporter's Name, Position, Phone Number	Figure 3.1-2
• Company Information	Figure 3.1-2
• Were Materials Discharged	Figure 3.1-2
• Meeting Federal Obligations to Report	Figure 3.1-2
• Calling for Responsible Party	Figure 3.1-2
• Time Called	Figure 3.1-2
• Incident Description (source/cause)	Figure 3.1-2
• Date/Time of Incident	Figure 3.1-2
• Incident Address/Location	Figure 3.1-2

• Nearest City/State/County/Zip	Figure 3.1-2
• Distance from City/Units of Measure/Direction from City, Section, Township, Range, Borough	Figure 3.1-2
• Container Type/Tank Oil Storage Capacity/Units of Measure	Figure 3.1-2
• Facility Oil Storage Capacity/Units of Measure	Figure 3.1-2
• Facility Longitude and Latitude	Figure 3.1-2
Response Equipment List (Identify if Facility, OSRO, CO-OP owned by letters O, F, or C) (sec. 1.3.2)	
Skimmers/Pumps (Operational Status, Type/Model/Year, Number or Quantity, Capacity, Daily Effective Recovery Rate, Storage Location)	Section 7.1.1, Figure 7.1-1, Appendix B.1.1, Figure B.1-1
Boom (Containment Boom: Operational Status, Year, Number, Skirt Size. Sorbent Boom: Operational Status, Type/Model/Year, Number, Size (Length))	Section 7.1.1, Figure 7.1-1, Appendix B.1.1, Figure B.1-1
Chemical Countermeasures Agents Stored	Section 7.1.1, Figure 7.1-1, Appendix B.1.1, Figure B.1-1
Sorbents (Type, Year Purchased, Amount, Storage Location)	Section 7.1.1, Figure 7.1-1, Appendix B.1.1, Figure B.1-1

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
Response Equipment List (Identify if Facility, OSRO, CO-OP owned by letters O, F, or C) (sec. 1.3.2), Continued	
Hand Tools (Type, Quantity, Storage Location)	Section 7.1.1, Figure 7.1-1, Appendix B.1.1, Figure B.1-1
Communications Equipment (Operational Status, Type, Operational Frequency, Quantity)	Section 7.1.1, Figure 7.1-1, Appendix B.1.1, Figure B.1-1
Fire Fighting and Personnel Protective Equipment	Section 7.1.1, Figure 7.1-1, Appendix B.1.1, Figure B.1-1
Other (e.g., Heavy Equipment, Cranes, Dozers, etc.) (Operational Status, Type, and Year, Quantity, Storage Location)	Section 7.1.1, Figure 7.1-1, Appendix B.1.1, Figure B.1-1

Equipment Location	Section 7.1.1, Figure 7.1-1, Appendix B.1.1, Figure B.1-1
Amount of oil that emergency response equipment can handle and limitations (e.g., launching sites) must be described.	Section 6.9, Section 7.1.1, Figure 7.1-1, Appendix B.1.1, Figure B.1-1
Response Equipment Testing/Deployment (sec. 1.3.3)	
Last inspection or equipment test date	Figure A.1-4
Inspection frequency	Figure A.1-4
Last deployment drill date	Figure A.1-4
Deployment frequency	Figure A.1-4
OSRO certification (if applicable)	Figure A.1-4, Appendix B.1.1, Figure B.1-1
Response Personnel (sec. 1.3.4)	
Emergency Response Personnel Information (Personnel whose duties involve responding to emergencies, including oil discharges, even when they are not present at the site)	Figure 3.1-3
• Name	Figure 3.1-3
• Phone Numbers (work/home, other)	Figure 3.1-3
• Response Time	Figure 3.1-3
• Responsibility	Figure 3.1-3
• Type and Date of Response Training	Figure 3.1-3, Figure A.2-3
Emergency Response Contractor Information	Figure 3.1-3, Figure 3.1-4, Figure 7.1-1, Appendix B
• Names	Figure 3.1-3, Figure 3.1-4, Figure 7.1-1, Appendix B
• Phone Numbers	Figure 3.1-3, Figure 3.1-4
• Response Time	Figure 3.1-3, Appendix B
• Evidence of Contractual Arrangements	Figure B.1-1

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
Response Personnel (sec. 1.3.4), Continued	
Facility Response Team Information (Composed of Emergency Response Personnel and Emergency Response that will respond immediately)	Figure 3.1-3
• Name	Figure 3.1-3
• Job Function of Emergency Response Personnel	Figure 3.1-3
• Response Time	Figure 3.1-3
• Phone/Pager	Figure 3.1-3
• Name of Emergency Response Contractor (Contractors providing facility response team services may be different than contractors providing oil spill response services)	Figure 3.1-3
• Response Time	Figure 3.1-3
• Phone/Pager	Figure 3.1-3
Evacuation Plans (sec. 1.3.5)	
Facility Evacuation Plan (sec. 1.3.5.1)	Section 2.6.1, Section 2.6.2
• Location of stored materials	Section 2.6.2
• Hazard imposed by spilled materials	Section 2.6.2
• Spill flow direction	Section 2.6.2
• Prevailing wind directions and speed	Section 2.6.2
• Water currents, tides, or wave conditions (if applicable)	Section 2.6.2
• Arrival route of emergency response personnel and response equipment	Section 2.6.2
• Evacuation routes	Section 2.6.2
• Alternative routes of evacuation	Section 2.6.2
• Transportation of injured personnel to nearest medical facility	Section 2.6.2
• Location of alarm/notification systems	Section 2.6.2, Figure 2-1

• Centralized check-in area for roll call	Section 2.6.2
• Mitigation command center location	Section 2.6.2
• Location of shelter at facility	Section 2.6.2
Community Evacuation Plans referenced (sec. 1.3.5.3)	Section 2.6.2
Evacuation routes shown on diagram	Figure C-3
Qualified Individual's Duties (sec. 1.3.6)	
Description of duties	Section 4.5
• Activate internal alarms and hazard communications systems	Section 4.5
• Notify Response Personnel	Section 4.5
• Identify character, exact source, amount and extent of the release	Section 4.5
• Notify and provide information to appropriate Federal, State and local authorities	Section 4.5

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
Qualified Individual's Duties (sec. 1.3.6), Continued	
• Assess interaction of spilled substance with water and/or other substances stored at facility and notify on-scene personnel of assessment	Section 4.5
• Assess possible hazards to human health and environment	Section 4.5
• Assess and implement prompt removal actions	Section 4.5
• Coordinate rescue and response actions	Section 4.5
• Access company funding to initiate cleanup activities	Section 4.5
• Direct cleanup activities	Section 4.5
Consistent with requirements	Section 4.5
Qualified Individual identified with the Facility Information	Figure 1-2
Hazard Evaluation (sec. 1.4)	
Hazard Identification (sec. 1.4.1)	

Tank Above Ground and Below Ground:	Figure C-1
• Tank number(s)	Figure C-1
• Substance(s) Stored	Figure C-1
• Quantity(s) Stored	Figure C-1
• Tank Type(s)/Year(s) of Construction	Figure C-1
• Maximum Capacity(s)	Figure C-1
• Failure(s)/Cause(s)	Figure C-1
Surface Impoundments (SI):	Figure C-1
• SI Number(s)	Figure C-1
• Substance(s) Stored	Figure C-1
• Quantity(s) Stored	Figure C-1
• Surface Area(s)/Year(s) of Construction	Figure C-1
• Maximum Capacity(s)	Figure C-1
• Failure(s)/Cause(s)	Figure C-1
Labeled schematic drawing	Figure 1-5
Description of transfers (loading and unloading) and volume of material	Figure 1-2
Description of daily operations	Figure 1-2
Secondary containment volumes	Figure 1-2, Figure C-1
Normal daily throughput of the facility	Figure 1-2

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
Vulnerability Analysis (sec. 1.4.2)	
Analysis of the potential effects of an oil spill on vulnerable areas. **(Attachment C-III to Appendix C of this part provides a method that owners or operators shall use to determine appropriate distances from the facility to fish and wildlife and sensitive environments. Owners or operators can use a comparable formula that is considered acceptable by the RA. If**	Figure D.4-1

a comparable formula is used, documentation of the reliability and analytical soundness of the formula must be attached to the Response Plan Cover Sheet).	
• Water intakes	Section 6.7, Section 6.8
• Schools	Section 6.7, Section 6.8
• Medical facilities	Section 6.7, Section 6.8
• Residential areas	Section 6.7, Section 6.8
• Business	Section 6.7, Section 6.8
• Wetlands or other environmentally sensitive areas	Section 6.7, Section 6.8
• Fish and wildlife	Section 6.7, Section 6.8
• Lakes and streams	Section 6.7, Section 6.8
• Endangered flora and fauna	Section 6.7, Section 6.8
• Recreational areas	Section 6.7, Section 6.8
• Transportation routes (air, land, and water)	Section 6.7, Section 6.8
• Utilities	Section 6.7, Section 6.8
• Other applicable areas (List below)	Section 6.7, Section 6.8
• Other areas:	Section 6.7, Section 6.8
Analysis of Potential for a Spill (sec. 1.4.3)	
Description of likelihood of release occurring	Appendix D.2.1
• Oil spill history for the life of the facility	Appendix D.2.1, Figure C-8
• Horizontal range of potential spill	Appendix D.2.1, Figure D.4-1, Figure D.5-1
• Vulnerability to natural disaster	Appendix D.2.1
• Other factors, such as tank age	Appendix D.2.1, Figure C-1
• Other factors (e.g., unstable soils, earthquake zones, Karst topography, etc.)	Appendix D.2.1
Facility Reportable Oil Spill History Description (sec. 1.4.4)	

Date of discharge(s)	Figure C-8
List of discharge causes	Figure C-8
Material(s) discharged	Figure C-8
Amount of discharges in gallons	Figure C-8
Amount of discharge that reached navigable waters (if applicable)	Figure C-8
Effectiveness and capacity of secondary containment	Figure C-8
Clean-up actions taken	Figure C-8

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
Facility Reportable Oil Spill History Description (sec. 1.4.4), Continued	
Steps taken to reduce possibility of reoccurrence	Figure C-8
Total oil storage capacity of tank(s) or impoundment(s) from which material discharged	Figure C-8
Enforcement actions	Figure C-8
Effectiveness of monitoring equipment	Figure C-8
Description(s) of how each spill was detected	Figure C-8
Discharge Scenarios (sec. 1.5)	
Small and Medium Discharges (sec. 1.5.1)	
Small Discharges (sec. 1.5.1) (Description of small discharges addressing facility operations and components including but not limited to: (sec. 1.5.1.1)	
Loading and unloading operations	Appendix D.5.1
Facility maintenance operation	Appendix D.5.1
Facility piping	Appendix D.5.1
Pumping stations and sumps	Appendix D.5.1
Oil storage tanks	Appendix D.5.1
Vehicle refueling operations	Appendix D.5.1
Age and condition of facility components	Appendix D.5.1
Small volume discharge calculation for a facility	Appendix D.5.1
Facility-specific spill potential analysis	Appendix D.5.1
Average most probable discharge for complexes	Appendix D.5.1, Appendix D.7
1,000 feet of boom (1 hour deployment time)	Section 7.1.1, Figure 7.1-1, Appendix B, Appendix D.5.1
Correct amount of boom for complexes	Appendix D.5.1
Oil recovery devices equal to small discharge (2 hour recovery	Section 7.1.1, Figure 7.1-

time)	1, Appendix B, Appendix D.5.1
Oil storage capacity for recovered material	Section 7.1.1, Figure 7.1-1, Appendix B, Appendix D.5.1
Size of the discharge	Appendix D.5.1, Appendix D.5.3
Proximity to downgradient wells, waterways and drinking water intakes	Appendix D.5.1, Appendix D.5.3, Section 6.7, Section 6.8
Proximity to fish and wildlife and sensitive environments	Appendix D.5.1, Appendix D.5.3, Section 6.7, Section 6.8
Likelihood that the discharge will travel off-site (i.e., topography, drainage)	Appendix D.5.1, Appendix D.5.3
Location of the material discharged (i.e., on a concrete pad or directly on the soil)	Appendix D.5.1, Appendix D.5.3
Material discharged	Appendix D.5.1, Appendix D.5.3

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
Scenarios Affected by the Response Efforts (sec. 1.5.1.2), Continued	
Weather or aquatic conditions (i.e., river flow)	Appendix D.5.1, Appendix D.5.3
Available remediation equipment	Appendix D.5.1, Appendix D.5.3
Probability of a chain reaction of failures	Appendix D.5.1, Appendix D.5.3
Direction of discharge pathway	Appendix D.5.1, Appendix D.5.3
Medium Discharges (sec. 1.5.1) (Description of medium discharges scenarios addressing facility operations and components including but not limited to: (sec. 1.5.1.1)	
Loading and unloading operations	Appendix D.5.1
Facility maintenance operation	Appendix D.5.1
Facility piping	Appendix D.5.1
Pumping stations and sumps	Appendix D.5.1
Oil storage location	Appendix D.5.1
Vehicle refueling operations	Appendix D.5.1
Age and condition of facility components	Appendix D.5.1
Medium volume discharge calculation for a facility	Appendix D.5.1
Facility-specific spill potential analysis	Appendix D.5.1

Maximum most probable discharge for complexes	Appendix D.5.1, Appendix D.7
Oil recovery devices equal to medium discharge	Section 7.1.1, Figure 7.1-1, Appendix B, Appendix D.5.1
Availability of sufficient quantity of boom	Section 7.1.1, Figure 7.1-1, Appendix B, Appendix D.5.1
Oil storage capacity for recovered material	Section 7.1.1, Figure 7.1-1, Appendix B, Appendix D.5.1
Scenarios Affected by the Response Efforts (sec. 1.5.1.2)	
Size of the discharge	Appendix D.5.1, Appendix D.5.3
Proximity to downgradient wells, waterways and drinking water intakes	Appendix D.5.1, Appendix D.5.3, Section 6.7, Section 6.8
Proximity to fish and wildlife and sensitive environments	Appendix D.5.1, Appendix D.5.3, Section 6.7, Section 6.8
Likelihood that the discharge will travel off-site (i.e., topography, drainage)	Appendix D.5.1, Appendix D.5.3
Location of the material discharged (i.e., on a concrete pad or directly on the soil)	Appendix D.5.1, Appendix D.5.3
Material discharged	Appendix D.5.1, Appendix D.5.3
Weather or aquatic conditions (i.e., river flow)	Appendix D.5.1, Appendix D.5.3
Available remediation equipment	Appendix D.5.1, Appendix D.5.3
Probability of a chain reaction of failures	Appendix D.5.1, Appendix D.5.3
Direction of discharge pathway	Appendix D.5.1, Appendix D.5.3

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
Worst Case Discharge (WCD) (sec. 1.5.2) (see Appendix A) (When planning for the worst case discharge response all of the factors listed in the small and medium discharge section of the response plan shall be addressed)	
Facility Specific Worst Case Discharge Scenario	Appendix D.5.2
Description of worst case discharges scenarios addressing facility operations and components including but not limited to: (sec. 1.5.1.1)	Appendix D.5.2
• Loading and unloading operations	Appendix D.5.1
• Facility maintenance operation	Appendix D.5.1
• Facility piping	Appendix D.5.1
• Pumping stations and sumps	Appendix D.5.1

• Oil storage location	Appendix D.5.1
• Vehicle refueling operations	Appendix D.5.1
• Age and condition of facility components	Appendix D.5.1
• Correct Worst Case Discharge (WCD) calculation for specific type of facility (Appendix D)	Appendix D.7
• Correct Worst Case Discharge calculation for complexes	Appendix D.5.2, Appendix D.7
• Sufficient response resources for WCD (Appendix E)	Figure 3.1-4, Figure 7.1-1, Appendix B, Appendix D.7
• Sources and quantity of equipment for response to WCD	Section 7.1.1, Figure 7.1-1, Appendix B, Appendix D.7
• Oil storage capacity for recovered material	Section 7.1.1, Figure 7.1-1, Appendix B, Appendix D.7
Scenarios Affected by the Response Efforts (sec. 1.5.1.2)	
Size of the discharge	Appendix D.5.2, Appendix D.5.3
Proximity to downgradient wells, waterways and drinking water intakes	Appendix D.5.2, Appendix D.5.3, Section 6.7, Section 6.8
Proximity to fish and wildlife and sensitive environments	Appendix D.5.2, Appendix D.5.3, Section 6.7, Section 6.8
Likelihood that the discharge will travel off-site (i.e., topography, drainage)	Appendix D.5.2, Appendix D.5.3
Location of the material discharged (i.e., on a concrete pad or directly on the soil)	Appendix D.5.2, Appendix D.5.3
Material discharged	Appendix D.5.2, Appendix D.5.3
Weather or aquatic conditions (i.e., river flow)	Appendix D.5.2, Appendix D.5.3
Available remediation equipment	Appendix D.5.2, Appendix D.5.3
Probability of a chain reaction of failures	Appendix D.5.2, Appendix D.5.3
Direction of discharge pathway	Appendix D.5.2 (WCD Scenario), Appendix D.5.3

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
Discharge Detection Systems (sec. 1.6)	
Discharge Detection by Personnel (sec. 1.6.1)	
Description of procedures and personnel for spill detection	Appendix D.3.1
Description of facility inspections	Figure C-5, Appendix D.3.1
Description of initial response actions	Figure 2-1, Appendix D.3.1
Emergency Response Information (referenced)	Figure 3.1-4
Automated Discharge Detection (sec. 1.6.2)	
Description of automatic spill detection equipment, including overfill alarms and secondary containment sensors	Appendix D.3.1
Description of alarm verification procedures and subsequent actions	Figure 2-1 (First Responder last entry), Appendix D.3.1
Plan Implementation (sec. 1.7)	
Response Resources for Small, Medium and Worst Case Discharges (sec. 1.7.1)	
Demonstration of accessibility of proper response personnel and equipment	Appendix B
Description of response actions	Section 2, Appendix D.5.1, Appendix D.5.2
• Emergency plans for spill response	Section 2, Appendix D.5.1, Appendix D.5.2
• Additional response training	Appendix A.2
• Additional contracted help	Appendix B.1.1, Figure B.1-1
• Access to additional response equipment/experts	Appendix B.1.1, Figure B.1-1
• Ability to implement plan, including training and practice drills	Appendix A.1 (Exercise Requirements), Appendix A.2 (Training Program)
Recommended form detailing Immediate Actions for Small, Medium, and Worst Case spills (sec. 1.7.1.2A) (Stop the Product Flow, Warn Personnel, Shut Off Ignition Sources, Initiate Containment, Notify NRC, Notify OSC, Notify (as appropriate))	Figure 2-1, Appendix D.7
Disposal Plans (sec. 1.7.2)	
Description of procedures for recovering, reusing, decontaminating or disposing of materials	Section 7.3, Figure 7.3-4
Materials addressed in Disposal Plan **(Recovered product,**	Figure 7.3-4

contaminated soil, contaminated equipment and materials (including drums, tank parts, valves and shovels), personnel protective equipment, decontamination solutions, absorbents, spent chemicals)	
Plan prepared in accordance with any Federal, State and/or local regulations	Section 7.3
Plan addresses permits required to transport or dispose of recovered materials	Figure 7.3-4

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
Containment and Drainage Planning (sec. 1.7.3)	
Containment and drainage plan available	Figure C-9
• Description of containing/controlling a spill through drainage	Figure C-9
• Containment volume	Figure C-9
• Drainage route from oil storage and transfer areas	Figure C-9
• Construction materials in drainage troughs	Figure C-9
• Type and number of valves separators in drainage system	Figure C-9
• Sump pump capacities	Figure C-9
• Containment capacity of weirs and booms and their location	Figure C-9
• Other clean up materials	Figure C-9
Self-Inspection, Training, and Meeting Logs (sec. 1.8)	
Facility Self-Inspection (sec. 1.8.1)	
Records of tank inspections with dates (Tank Leaks, Tank Foundations, Tank Piping) contained or cross-referenced in plan or maintained electronically for five years (sec. 1.8.1.1)	Figure C-5
Records of secondary containment inspections with dates (Dike or Berm System, Secondary Containment, Retention and Drainage Ponds) contained or cross-referenced in plan or maintained electronically for five years (sec. 1.8.1.3)	Figure C-5
Response Equipment Inspection (sec. 1.8.1.2)	
Inventory (item and quantity)	Figure D.3-1
Storage location	Figure D.3-1
Accessibility (time to access and respond)	Figure D.3-1

Operational status/condition	Figure D.3-1
Actual use/testing (last test date and frequency of testing)	Figure D.3-1
Shelf life (present age, expected replacement date)	Figure D.3-1
Inspection date	Figure D.3-1
Inspector's signature	Figure D.3-1
Inspection records maintained for 5 years	Figure D.3-1
Response Equipment Inspection Log (Inspector, Date, Comments)	Figure A.1-7
Facility Drills/Exercises (sec. 1.8.2)	
Description of drill/exercise program based on PREP guidelines or other comparable program	Appendix A.1, Figure A.1-2
• Qualified Individual Notification Drills	Figure A.1-2
• Spill Management Team Tabletop Exercises	Figure A.1-2
• Equipment deployment exercise	Figure A.1-2
• Unannounced exercise	Figure A.1-2
• Area exercise	Figure A.1-2

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
Facility Drills/Exercises (sec. 1.8.2), Continued	
Description of evaluation procedures for drill program	Figure A.1-2
Qualified Individual Notification Drill Log (sec. 1.8.2.1) (Date, company, qualified individual, other contacted, emergency scenario, evaluation)	Figure A.1-5
Spill Management Team Tabletop Drill Log (sec. 1.8.2.2) (Date, company, qualified individual, participants, emergency scenario, evaluation, changes to be implemented, time table for implementation)	Figure A.1-6
Response Training (sec. 1.8.3)	
Description of response training program (including topics)	Figure A.2-1, Figure A.2-2
Personnel Response Training Logs (name, response training date/and number of hours, prevention training date/and number of hours)	Figure A.2-3
Discharge Prevention Meeting Log (date, attendees)	Figure C-4
Diagrams (sec. 1.9)	

Site Plan Diagram	
Entire facility to scale	Figure 1-5
Above and below-ground bulk storage tanks	Figure 1-5
Contents and capacities of bulk oil storage tanks	Figure 1-5
Contents and capacities of drum storage areas	Figure 1-5
Contents and capacities of surface impoundments	Figure 1-5
Process buildings	Figure 1-5
Transfer areas	Figure 1-5
Location and capacity of secondary containment systems	Figure 1-5
Location of hazardous materials (structures where hazardous materials are stored or handled, including materials stored and capacity of storage)	Figure 1-5
Location of communications and emergency response equipment	Figure 1-5
Location of electrical equipment that might contain oil	Figure 1-5
If the Facility is a Complex Facility, the interface between EPA and other regulating agencies	Figure 1-5

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
Site Drainage Plan Diagram	
Major sanitary and storm sewers, manholes, and drains	Figure C-2
Weirs and shut-off valves	Figure C-2
Surface water receiving streams	Figure C-2
Fire fighting water sources	Figure C-2
Other utilities	Figure C-2
Response personnel ingress and egress	Figure C-2
Equipment transportation routes	Figure C-2
Direction of spill flow from release points	Figure C-2
Site Evacuation Diagram	
Site plan diagram with evacuation routes	Figure C-3
Location of evacuation regrouping areas	Figure C-3
Site Security (sec. 1.10)	
Emergency cut-off locations	Figure 7.2-2
Enclosure	Figure 7.2-2
Guards and their duties, day and night	Figure 7.2-2
Lighting	Figure 7.2-2
Valve and pump locks	Figure 7.2-2

Pipeline connection caps	Figure 7.2-2

FIGURE E-2 - DOT / PHMSA CROSS-REFERENCE

OPA 90 REQUIREMENTS (49 CFR 194)	LOCATION
Information Summary	
• For the core plan:	
• Name and address of operator	Figure 1-2
• For each Response Zone which contains one or more line sections that meet the criteria for determining significant and substantial harm (§194.103), listing and description of Response Zones, including county(s) and state(s)	Figure 1-2
• For each Response Zone appendix:	
• Information summary for core plan	Section 1
• QI names and telephone numbers, available on 24-hr basis	Figure 1-2, Figure 3.1-3
• Description of Response Zone, including county(s) and state(s) in which a worst case discharge could cause substantial harm to the environment	Figure 1-2
• List of line sections contained in Response Zone, identified by milepost or survey station or other operator designation	Figure 1-2
• Basis for operator's determination of significant and substantial harm	Figure 1-2
• The type of oil and volume of the worst case discharge	Appendix D
• Certification that the operator has obtained, through contract or other approved means, the necessary private personnel and equipment to respond, to the maximum extent practicable, to a worst case discharge or threat of such discharge	Section 1.3, Appendix B
Notification Procedures	
• Notification requirements that apply in each area of operation of pipelines covered by the plan, including applicable state or local requirements	Figure 3.1-4

• Checklist of notifications the operator or Qualified Individual is required to make under the response plan, listed in the order of priority	Figure 2.1-1, Figure 3.1-1, Section 4.2
• Name of persons (individuals or organizations) to be notified of discharge, indicating whether notification is to be performed by operating personnel or other personnel	Figure 3.1-1, Figure 3.1-3, Figure 3.1-4
• Procedures for notifying Qualified Individuals	Figure 3.1-1, Section 4.2
• Primary and secondary communication methods by which notifications can be made	Section 7.1.6

FIGURE E-2 - DOT / **PHMSA** CROSS-REFERENCE, CONTINUED

OPA 90 REQUIREMENTS (49 CFR 194)	LOCATION

• Information to be provided in the initial and each follow-up notification, including the following:
  • Name of pipeline
  • Time of discharge
  • Location of discharge
  • Name of oil recovered
  • Reason for discharge (e.g. material failure, excavation damage, corrosion)
  • Estimated volume of oil discharged
  • Weather conditions on scene
  • Actions taken or planned by persons on scene
	Figure 3.1-2

Spill Detection and On-Scene Spill Mitigation Procedures	
• Methods of initial discharge detection	Appendix D.3
• Procedures, listed in order of priority, that personnel are required to follow in responding to a pipeline emergency to mitigate or prevent any discharge from the pipeline	Section 2

• List of equipment that may be needed in response activities based on land and navigable waters including:
  • Transfer hoses and pumps
  • Portable pumps and ancillary equipment
  • Facilities available to transport and receive oil from a leaking pipeline
	Section 7.1.1, Appendix B

• Identification of the availability, location, and contact phone numbers to obtain equipment for response activities on a 24-hour basis	Figure 3.1-4, Appendix B

• Identification of personnel and their location, telephone numbers, and responsibilities for use of equipment in response activities on a 24-hour basis	Figure 3.1-3, Section 7.1, Appendix B
Response Activities	
• Responsibilities of, and actions to be taken by, operating personnel to initiate and supervise response actions pending the arrival of the Qualified Individual or other response resources identified in the response plan	Section 2, Section 4.5, Appendix B
• Qualified Individual's responsibilities and authority, including notification of the response resources identified in the response plan	Section 4.5
• Procedures for coordinating the actions of the operator or Qualified Individual with the action of the OSC responsible for monitoring or directing those actions	Section 4.4, Section 4.5
• Oil spill response organizations (OSRO) available through contract or other approved means, to respond to a worst case discharge to the maximum extent practicable	Appendix B

• For each organization identified under paragraph (d), a listing of:
  • Equipment and supplies available
  • Trained personnel necessary to continue operation of the equipment and staff the oil spill removal organization for the first seven days of the response
	Appendix B

FIGURE E-2 - DOT / **PHMSA** CROSS-REFERENCE, CONTINUED

OPA 90 REQUIREMENTS (49 CFR 194)	LOCATION
List of Contacts	
• List of persons the Plan requires the operator to contact	Figure 3.1-1
• Qualified individuals for the operator's areas of operation	Figure 1-2, Figure 3.1-3
• Applicable insurance representatives or surveyors for the operator's areas of operation	Figure 4.1-2
• Persons or organizations to notify for activation of response resources	Figure 3.1-1, Figure 3.1-3, Figure 3.1-4

Training Procedures	
• Description of training procedures and programs of the operations	Appendix A.2
Drill Procedures	
• Announced and unannounced drills	Appendix A.1

• Types of drills and their frequencies; for example:
  • Manned pipeline emergency procedures and qualified individual notification drills conducted quarterly
  • Drills involving emergency actions by assigned operating or maintenance personnel and notification of qualified individual on pipeline facilities which are normally unmanned, conducted quarterly
  • Shore-based spill management team (SMT) tabletop drills conducted yearly
  • Oil spill removal organization field equipment deployment drills conducted yearly
  • A drill that exercises entire response plan for each Response Zone, would be conducted at least once every three years
	Appendix A.1

Response Plan review and update procedures	
• Procedures to meet §194.121	Section 1.2
• Procedures to review plan after a worst case discharge and to evaluate and record the plan's effectiveness	Section 1.2, Section 8.3
Response zone appendices	
Each response zone appendix would provide the following information:	
• Name and telephone number of the qualified individual	Figure 1-2, Figure 3.1-3
• Notification procedures	Section 3
• Spill detection and mitigation procedures	Section 2.1.1, Appendix D.3
• Name, address, and telephone number of oil spill response organization	Figure 3.1-4, Appendix B

• Response activities and response resources including:
  • Equipment and supplies necessary to meet §194.115
  • Trained personnel necessary to sustain operation of the equipment and to staff the oil spill response organization and spill management team for the first seven days of the response
	Figure 3.1-3, Appendix A, Appendix B

FIGURE E-2 - DOT / **PHMSA** CROSS-REFERENCE, CONTINUED

OPA 90 REQUIREMENTS (49 CFR 194)	LOCATION
• Names and telephone numbers of federal, state, and local agencies which the operator expects to assume pollution response responsibilities	Figure 3.1-4
• Worst case discharge volume	Appendix D
• Method used to determine the worst case discharge volume, with calculations	Appendix D.7

• A map that clearly shows:
  • Location of worst case discharge
  • Distance between each line section in the Response Zone:
  • Each potentially affected public drinking water intake, lake, river, and stream within a radius of five miles of the line section
  • Each potentially affected environmentally sensitive area within a radius of one mile of the line section
	Figure 1-3, Figure 1-5, Section 6.7, Section 6.8

• Piping diagram and plan-profile drawing of each line section; may be kept separate from the response plan if the location is identified	Figure 1-2

• For every oil transported by each pipeline in the response zone, emergency response data that:
  • Include name, description, physical and chemical characteristics, health and safety hazards, and initial spill-handling and firefighting methods
  • Meet 29 CFR 1910.1200 or 49 CFR 172.602
	Section 2.2, Appendix D.9, Figure D.9-1

FIGURE E-3 - OSHA CROSS-REFERENCE

ERP REQUIREMENTS (29 CFR 1910.38)	LOCATION
(a) Application. An employer must have an emergency action plan whenever an OSHA standard in this part requires one. The requirements in this section apply to each such emergency action plan.	

(b) Written and oral emergency action plans. An emergency action plan must be in writing, kept in the workplace, and available to employees for review. However, an employer with 10 or fewer employees may communicate the plan orally to employees.	
(c) Minimum elements of an emergency action plan. An employer action plan must include at a minimum:	
(1) Procedures for reporting a fire or other emergency;	Section 2, Section 3
(2) Procedures for emergency evacuation, including type of evacuation and exit route assignments;	Section 2.6, Figure C-3
(3) Procedures to be followed by employees who remain to operate critical plant operations before they evacuate;	N/A
(4) Procedures to account for all employees after evacuation;	Section 2.6
(5) Procedures to be followed by employees performing rescue or medical duties; and	Section 2.3
(6) The name or job title of every employee who may be contacted by employees who need more information about the plan or an explanation of their duties under the plan.	Figure 3.1-3, Section 4
(d) Employee alarm system. An employer must have and maintain an employee alarm system. The employee alarm system must use a distinctive signal for each purpose and comply with the requirements in §1910.165.	Section 2.6.2
(e) Training. An employer must designate and train employees to assist in a safe and orderly evacuation of other employees.	Appendix A
(f) Review of emergency action plan. An employer must review the emergency action plan with each employee covered by the plan:	Appendix A.2
(1) When the plan is developed or the employee is assigned initially to a job;	Appendix A.2
(2) When the employee's responsibilities under the plan change; and	Appendix A.2
(3) When the plan is changed.	Appendix A.2

FIGURE E-3 - OSHA CROSS-REFERENCE, CONTINUED

ERP REQUIREMENTS (29 CFR 1910.120 [q] [2])	LOCATION

(q) Emergency response to hazardous substance releases. This paragraph covers employers whose employees are engaged in emergency response no matter where it occurs except that it does not cover employees engaged in operations specified in paragraphs (a)(1)(i) through (a)(1)(iv) of this section. Those emergency response organizations who have developed and implemented programs equivalent to this paragraph for handling releases of hazardous substances pursuant to section 303 of the Superfund Amendments and Reauthorization Act of 1986 (Emergency Planning and Community Right-to-Know Act of 1986, 42 U.S.C. 11003) shall be deemed to have met the requirements of this paragraph.	
(1) Emergency response plan. An emergency response plan shall be developed and implemented to handle anticipated emergencies prior to the commencement of emergency response operations. The plan shall be in writing and available for inspection and copying by employees, their representatives and OSHA personnel. Employers who will evacuate their employees from the danger area when an emergency occurs, and who do not permit any of their employees to assist in handling the emergency, are exempt from the requirements of this paragraph if they provide an emergency action plan in accordance with 29 CFR 1910.38.	
(2) Elements of an emergency response plan. The employer shall develop an emergency response plan for emergencies which shall address, as a minimum, the following to the extent that they are not addressed elsewhere:	
(i) Pre-emergency planning and coordination with outside parties.	Section 3, Appendix C, Appendix D
(ii) Personnel roles, lines of authority, training, and communication.	Section 3, Section 4, Section 7.1.6, Appendix A.2
(iii) Emergency recognition and prevention.	Appendix C, Appendix D.3
(iv) Safe distances and places of refuge.	Section 2.6
(v) Site security and control.	Section 5.6, Section 7.2
(vi) Evacuation routes and procedures.	Section 2.6, Figure C-3
(vii) Decontamination.	Section 5.4
(viii) Emergency medical treatment and first aid.	Section 2.3
(ix) Emergency alerting and response procedures.	Section 2
(x) Critique of response and follow-up.	Section 8
(xi) PPE and emergency equipment.	Section 7.1.1, Figure

	7.1-1
(xii) Emergency response organizations may use the local emergency response plan or the state emergency response plan or both, as part of their emergency response plan to avoid duplication. Those items of the emergency response plan that are being properly addressed by the SARA Title III plans may be substituted into their emergency plan or otherwise kept together for the employer and employee's use.	

FIGURE E-4 - EPA RESPONSE PLAN COVER SHEET

Owner/ operator of facility:	BP Products North America, Inc., U.S. Logistics
Owner / operator address / Phone (street address or route):	150 W. Warrenville Rd Naperville , IL 60563 (630) 420-5519 (Fax) (630) 536-2161 (Phone)
Facility name:	Wood River
Facility address (street address or route):	1000 BP Lane
City, state, and U.S. zip code	Hartford, IL 62048
Facility mailing address:	As above
Facility phone number.:	(618) 254-7630 (618) 254-0695
(b) (7)(F) [redacted]	
Facility Acres:	600
Facility Start Up Date:	1908
Dun & Bradstreet number:	1544332
(b) (7)(F) [redacted]	[redacted]
[redacted]	[redacted]
North American Industrial Classification System (NAICS):	424710
(b) (7)(F) [redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

Number of Surface Impoundments:	0
Total Storage of Surface Inmpoundments (gallons):	0
Facility distance to navigable water; mark the appropriate line.	
0-1/4 ☐ 1/4-1/2 mile ☐ 1/2 - 1 mile ☑ > 1 mile ☐	

FIGURE E-4 - EPA RESPONSE PLAN COVER SHEET CONTINUED

APPLICABILITY OF SUBSTANTIAL HARM CRITERIA
Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?
YES ☐ NO ☑
Does the facility have a total oil storage capacity greater than or equal to one million gallons and, within any storage area, does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation?
YES ☐ NO ☑
Does the facility have a total oil storage capacity greater than or equal to one million gallons and is the facility located at a distance (as calculated using the appropriate formula in or a comparable formula) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments?
YES ☑ NO ☐
Does the facility have a total oil storage capacity greater than or equal to one million gallons and is the facility located at a distance (using the appropriate formula in or a comparable formula) such that a discharge from the facility would shut down a drinking water intake?
YES ☑ NO ☐
Does the facility have a total oil storage capacity greater than or equal to one million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last five years?
YES ☐ NO ☑

CERTIFICATION	
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and that based on my inquiry of those individuals responsible for obtaining information, I believe that the submitted information is true, accurate, and complete.	
Signature: 	Date: 07/05/2006
Name: Vernon St. Peters	Title: Terminal Manager

APPENDIX F Last Revised: September 2009

ACRONYMS AND DEFINITIONS

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F.1 Acronyms

F.2 Definitions

F.1 ACRONYMS

ACP	Area Contingency Plan
AFFF	Aqueous Film Forming Foam
AR-AFFF	Alcohol Resistant Aqueous Film Forming Foam
ASTM	American Society of Testing Materials
BBL	Barrel(s)
BLM	Bureau of Land Management (USDOI)
BPD	Barrels Per Day
BPH	Barrels Per Hour
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act of 1980, as amended
CFR	Code of Federal Regulations
CO_2	Carbon Dioxide
COTP	Captain of the Port (USCG)
CRZ	Contamination Reduction Zone
CWA	Clean Water Act of 1977 (Federal)
EAP	Emergency Action Plan
EMS	Emergency Medical Services
EOC	Emergency Operations Center
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
ERAP	Emergency Response Action Plan
ERP	Emergency Response Plan
ERT	Emergency Response Team
FAA	Federal Aviation Administration
FEMA	Federal Emergency Management Agency
FOSC	Federal On-Scene Coordinator
FRP	Facility Response Plan
FRT	Facility Response Team
FWPCA	Federal Water Pollution Control Act of 1972
GIS	Geographic Information System
GPM	Gallons Per Minute
HAZMAT	Hazardous Materials
HMIS	Hazardous Material Information System
IC	Incident Commander
ICS	Incident Command System

JIC	Joint Information Center
LEL	Lower Explosive Limit

F.1 ACRONYMS, CONTINUED

LEPC	Local Emergency Planning Committee
LEPD	Local Emergency Planning District
LNG	Liquid Natural Gas
LPG	Liquefied Petroleum Gas
MSDS	Material Safety Data Sheets
MTR	Marine Transportation Related
N/A	Not Applicable
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NIIMS	National Interagency Incident Management System
NM	Nautical Miles
NOAA	National Oceanic and Atmospheric Administration
NRC	National Response Center
NRDA	National Resource Damage Assessment
NRT	National Response Team
OBA	Oxygen Breathing Apparatus
OPA 90	Oil Pollution Act of 1990
OSC	On-Scene Coordinator/Commander
OSHA	Occupational Safety and Health Administration (USDL)
PPE	Personal Protective Equipment
PREP	(National) Preparedness for Response Exercise Program
PSM	Process Safety Management
QI	Qualified Individual
RCRA	Resource Conservation and Recovery Act of 1976
RMP	Risk Management Program
RQ	Reportable Quantity
RSPA	Research and Special Programs Administration (DOT)
SARA	Superfund Amendments and Reauthorization Act
SCADA	Supervisory Control and Data Acquisition (System)
SCBA	Self Contained Breathing Apparatus
SDWA	Safe Drinking Water Act of 1986
SERC	State Emergency Response Commission
SETS	Safety Environment and Training Services

SI	Surface Impoundment
SIC	Standard Industrial Classification (Code)
EMT	Emergency Management Team
SOSC	State On-Scene Coordinator
SPCC	Spill Prevention, Control, and Countermeasures (Plan)

F.1 ACRONYMS, CONTINUED

SSC	Scientific Support Coordinator (NOAA)
UCS	Unified Command System
UEL	Upper Explosive Limit
USACOE	U.S. Army Corps of Engineers
USCG	U.S. Coast Guard
USDOD	U.S. Department of Defense
USDL	U.S. Department of Labor
USDOE	U.S. Department of Energy
USDOI	U.S. Department of the Interior
USDOJ	U.S. Department of Justice
USDOT	U.S. Department of Transportation
USFWS	U.S. Fish and Wildlife Service (USDOI)
USGS	U.S. Geological Survey (USDOI)

F.2 DEFINITIONS

Adverse Weather
The weather conditions that will be considered when identifying response systems and equipment in a response plan for the applicable operating environment. Factors to consider include significant wave height, ice, temperature, weather-related visibility, and currents with the Captain of the Port (COTP) zone in which the systems or equipment are intended to function.

Aqueous Film Forming Foam
A fluoro-carbon surfactant that acts as an effective vapor securing agent due to its effect on the surface tension of the water. Its physical properties enable it to float and spread across surfaces of a hydrocarbon fuel with more density than protein foam.

Average Most Probable Discharge **(USCG)**
A discharge of the lesser of 50 barrels (2100 gallons) or one percent of the volume of the worst case discharge.

Barrel

Measure of space occupied by 42 U. S. gallons at 60 degrees Fahrenheit.

Bleve
A boiling liquid-expanding vapor explosion; failure of a liquefied flammable gas container caused by fire exposure. Pronounced "blevey."

Boilover
Occurs when the heat from a fire in a tank travels down to the bottom of the tank causing water that is already there to boil and push part of the tank's contents over the side.

Carbon Dioxide
A heavy, colorless, odorless, asphyxiating gas, that does not normally support combustion. It is one and one-half times heavier than air and when directed at the base of a fire its action is to dilute the fuel vapors to a lean mixture to extinguish the fire.

Class A Fire
A fire involving common combustible materials which can be extinguished by the use of water or water solutions. Materials in this category include wood and wood-based materials, cloth, paper, rubber and certain plastics.

Class B Fire
A fire involving flammable or combustible liquids, flammable gases, greases and similar products. Extinguishment is accomplished by cutting off the supply of oxygen to the fire or by preventing flammable vapors from being given off.

Class C Fire
A fire involving energized electrical equipment, conductors or appliances. Nonconducting extinguishing agents must be used for the protection of firefighters.

Class D Fire
A fire involving combustible metals, for example, sodium, potassium, magnesium, titanium and aluminum. Extinguishment is accomplished through the use of heat-absorbing extinguishing agents such as certain dry powders that do not react with the burning metals.

Cold (Support) Zone
An area free of contaminants so that Personal Protection Equipment (PPE) is not required for personnel working in this area. Command functions and supporting operations are carried out here.

F.2 DEFINITIONS, CONTINUED

Command Post
A site located at a safe distance from the spill site where response decisions are made, equipment and manpower deployed, and communications handled. The Incident Commander and the On-Scene Coordinators may direct the on-scene response from this location.

Communication Equipment
Equipment that will be utilized during response operations to maintain communication between employees, contractors, federal/state/local agencies.

Containment Boom
A flotation/freeboard device, made with a skirt/curtain, longitudinal strength member, and ballast unit/weight designed to entrap and contain the product for recovery.

Contamination Reduction Zone
Same as the warm zone, a buffer between the hot and cold zones. Decontamination activities take place there. Equipment needed to support the primary response operation may be staged in the warm zone.

Contingency Plan

A document used by: (1) federal, state, and local agencies to guide planning and response procedures regarding spill of oil, hazardous substances, or other emergencies; (2) a document used by industry as a response plan to spills of oil, hazardous substances, or other emergencies occurring upon their vessels or at their facilities.

Contract or Other Approved Means
Includes:

- A written contractual agreement with a response contractor. The agreement should identify and ensure the availability of the specified personnel and equipment described under U.S.C.G. Regulations within stipulated response times in the specified geographic areas
- Certification by the facility owner or operator that the specified personnel and equipment described under USCG Regulations are owned, operated, or under the direct control of the facility owner or operator, and are available within stipulated times in the specified geographic areas
- Active membership in a local or regional oil spill removal organization that has identified specified personnel and equipment described under USCG Regulations that are available to respond to a discharge within stipulated times in the specified geographic areas
- A document which:
    - Identifies the personnel, equipment, services, capable of being provided by the response contractor within stipulated response times in specified geographic areas
    - Sets out the parties' acknowledgment that the response contractor intends to commit the resources in the event of a response
    - Permits the Coast Guard to verify the availability of the response resources identified through tests, inspections, drills
    - Is incorporated by reference in the Response Plan
- For a facility that could reasonably be expected to cause substantial harm to the environment, with the consent of the response contractor or oil spill removal organization, the identification of a response contractor or oil spill removal organization with specified equipment and personnel which are available within stipulated response times in specific geographic areas.

F.2 DEFINITIONS, CONTINUED

Demand Breathing Apparatus
A type of self-contained breathing apparatus that provides air or oxygen from a supply carried by the user.

Dispersants
Those chemical agents that emulsify, disperse, or solublize oil into the water column or promote the surface spreading of oil slicks to facilitate dispersal of the oil into the water column.

Diversion Boom

A flotation/freeboard device, made with a skirt/curtain, longitudinal strength member, and ballast unit/weight designed to deflect or divert the product towards a pick up point, or away from certain areas.

Environmentally Sensitive Areas
Streams and water bodies, aquifer recharge zones, springs, wetlands, agricultural areas, bird rookeries, endangered or threatened species (flora and fauna) habitat, wildlife preserves or conservation areas, parks, beaches, dunes, or any other area protected or managed for its natural resource value.

Exclusion Zone
Same as hot zone, the area where a hazard exists. This is the hazardous location on site, therefore entry requires personal protective equipment (PPE). It must be big enough for both mitigation activities and protection of personnel in the warm zone should an explosion, fire, change of wind direction, or an unexpected release occur during response activities.

Explosive Range
Flammable range; the range of the mixture of air and flammable gas or flammable vapor of liquids that must be present in the proper proportions for the mixture to be ignited. The range has upper and lower limits; any mixture above the upper explosive limit or below the lower explosive limit will not burn.

Facility
Any pipeline, structure, equipment, or device used for handling oil including, but not limited to, underground and aboveground storage tanks, impoundments, mobile or portable drilling or workover rigs, barge mounted drilling or workover rigs, and portable fueling facilities located offshore or on or adjacent to coastal waters or any place where a discharge of oil from the facility could enter coastal waters or threaten to enter the coastal waters.

Federal Fund
The oil spill liability trust fund established under OPA.

First Responders, First Response Agency
A public health or safety agency (i.e., fire service or police department) charged with responding to a spill during the emergency phase and alleviating immediate danger to human life, health, safety, or property.

Flashover
The ignition of combustibles in an area heated by convection, radiation, or a combination of the two. The action may be a sudden ignition in a particular location followed by rapid spread or a "flash" of the entire area.

F.2 DEFINITIONS, CONTINUED

Flash Point
The temperature at which a liquid fuel gives off sufficient vapor to form an ignitable mixture near its surface.

Foam
A blanket of bubbles that extinguishes fire mainly by smothering. The blanket prevents

flammable vapors from leaving the surface of the fire and prevents oxygen from reaching the fuel. The water in the foam also has a cooling effect.

Hazardous Material
Any nonradioactive solid, liquid, or gaseous substance which, when uncontrolled, may be harmful to humans, animals, or the environment. Including but not limited to substances otherwise defined as hazardous wastes, dangerous wastes, extremely hazardous wastes, oil, or pollutants.

Hazardous Substance
Any substance designed as such by the Administrator of EPA pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act; regulated pursuant to Section 311 of the Federal Water Pollution Control Act.

Hazardous Waste
Any solid waste identified or listed as a hazardous waste by the Administrator of the EPA pursuant to the federal Solid Waste Disposal Act, as amended by the Resources Conservation and Recovery Act (RCRA), 42 U.S.C., Section 6901, et seq as amended. The EPA Administrator has identified the characteristics of hazardous wastes and listed certain wastes as hazardous in Title 40 of the Code of Federal Regulations, Part 261, Subparts C and D respectively.

Higher Volume Port Area
Ports of:

- Boston, MA
- New York, NY
- Delaware Bay and River to Philadelphia, PA
- St. Croix, VI
- Pascagoula, MS
- Mississippi River from Southwest Pass, LA to Baton Rouge, LA
- Louisiana Offshore Oil Port (LOOP), LA
- Lake Charles, LA
- Sabine-Nachez River, TX
- Galveston Bay and Houston Ship Channel, TX
- Corpus Christi, TX
- Los Angeles/Long Beach Harbor, CA
- San Francisco Bay, San Pablo Bay, Carquinez Strait, Suisun Bay to Antioch, CA
- Straits of Juan de Fuca and Puget Sound, WA
- Prince William Sound, AK

Hot (Exclusion) Zone
The area where a hazard exists. This is the hazardous location on site, therefore entry requires personal protective equipment (PPE). It must be big enough for both mitigation activities and protection of personnel in the warm zone should an explosion, fire, change of wind direction, or an unexpected release occur during response activities.

F.2 DEFINITIONS, CONTINUED

Hyperthermia
A dangerously high fever that can damage nerve centers. This condition can result from exposure to excessive heat over an extended period of time.

Ignition Temperature
The lowest temperature at which a fuel will burn without continued application of an ignition source.

Incident Commander (IC)
The one individual in charge at any given time of an incident. The Incident Commander will be responsible for establishing a unified command with all on-scene coordinators.

Incident Command System
A method by which the response to an extraordinary event, including a spill, is categorized into functional components and responsibility for each component assigned to the appropriate individual or agency.

Interim Storage Site
A site used to temporarily store recovered oil or oily waste until the recovered oil or oily waste is disposed of at a permanent disposal site. Interim storage sites include trucks, barges, and other vehicles, used to store waste until the transport begins.

Lead Agency
The government agency that assumes the lead for directing the spill response.

Lead Federal Agency
The agency which coordinates the federal response to incidents on navigable waters. The lead Federal agencies are:

- **U. S. Coast Guard (USCG):** Oil and chemically hazardous materials incidents on navigable waters
- **Environmental Protection Agency (EPA):** Oil and chemically hazardous materials incidents on most inland waters and in the inland zone

Lead State Agency
The agency which coordinates state support to Federal and/or Local governments or assumes the lead in the absence of a Federal spill response.

Lower Flammable Limit
Minimum flammable concentration of a particular gas in the air.

Marine Transportation-Related Facility (MTR Facility)
An onshore facility, including piping and any structure used to transfer oil to or from a vessel, subject to regulation under 33 CFR Part 154 and any deepwater port subject to regulation under 33 CFR Part 150.

Maximum Extent Practicable
The planning values derived from the planning criteria used to evaluate the response resources described in the response plan to provide the on-water recovery capability and the shoreline protection and cleanup capability to conduct response activities for a worst case discharge from a facility in adverse weather.

F.2 DEFINITIONS, CONTINUED

Maximum Most Probable Discharge (USCG)

A discharge of the lesser of 2,500 barrels or ten percent of the volume of a worst case discharge.

Medium Discharge **(EPA)**
Same as maximum most probable discharge.

National Contingency Plan
The plan prepared under the Federal Water Pollution Control Act (33 United States Code '1321 et seq) and the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 United State Code '9601 et seq), as revised from time to time.

Nearshore Area
The area extending seaward 12 miles from the boundary lines defined in 46 CFR Part 7, except in the Gulf of Mexico. In the Gulf of Mexico, it means the area extending seaward 12 miles from the line of demarcation (COLREG) lines) defined in '80.740 - 80.850 of Title 33 of the CFR.

Non-Persistent or Group I Oil
A petroleum-based oil that, at the time of shipment, consists of hydrocarbon fractions:

- At least 50% of which by volume, distill at a temperature of 340EC (645EF)
- At least 95% of which volume, distill at a temperature of 370EC (700EF)

Non-Petroleum Oil
Oil of any kind that is not petroleum-based. It includes, but is not limited to, animal and vegetable oils.

Offshore Area
The area beyond 12 nautical miles measured from the boundary lines defined in 46 CFR Part 7 extending seaward to 50 nautical miles, except in the Gulf of Mexico. In the Gulf of Mexico it is the area beyond 12 nautical miles of the line of demarcation (COLREG lines) defined in '80-740 - 80.850 of Title 33 of the CFR extending seaward to 50 nautical miles.

Oil or Oils
Naturally occurring liquid hydrocarbons at atmospheric temperature and pressure coming from the earth, including condensate and natural gasoline, and any fractionation thereof, including, but not limited to, crude oil, petroleum gasoline, fuel oil, diesel oil, oil sludge, oil refuse, and oil mixed with wastes other than dredged spoil. Oil does not include any substance listed in Table 302.4 of 40 CFR Part 302 adopted August 14, 1989, under Section 101(14) of the Federal Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended by P.L. 99-499.

Oil Spill Removal Organization (OSRO)
An entity that provides oil spill response resources, and includes any for profit or not-for-profit contractor, cooperative, or in-house response resources that have been established in a geographic area to provide required response resources.

Operating Area
The rivers and canals, inland, nearshore, Great Lakes, or offshore geographic location(s) in which a facility is handling, storing, or transporting oil.

Operating Environment
Rivers and canals, inland, Great Lakes, or ocean. These terms are used to define the conditions in which response equipment is designed to function.

F.2 DEFINITIONS, CONTINUED

Overhaul
A procedure following a fire whereby the area is examined for hidden fire and fire extension and the fire area is cleaned up.

Owner or Operator
Any person, individual, partnership, corporation, association, governmental unit, or public or private organization of any character.

Persistent Oil
A petroleum-based oil that does not meet the distillation criteria for a non-persistent oil. For the purposes of this Appendix, persistent oils are further classified based on specific gravity as follows:

- Group II - specific gravity less than .85
- Group III - specific gravity between .85 and less than .95
- Group IV - specific gravity .95 to and including 1.0
- Group V - specific gravity greater than 1.0

Primary Response Contractor(s)
An individual, company, or cooperative that has contracted directly with the plan holder to provide equipment and/or personnel for the containment or cleanup of spilled oil.

Qualified Individual(s)
An English-speaking representative(s) of the facility identified in the plan, located in the United States, available on a 24-hour basis, familiar with implementation of the facility response plan, and trained in his or her responsibilities under the plan. This person must have full written authority to implement the facility's response plan. This includes:

- Activating and engaging in contracting with identified oil spill removal organization(s)
- Acting as a liaison with the predesignated of Federal On-Scene Coordinator (FOCS)
- Obligating, either directly or through prearranged contracts, funds required to carry out all necessary or directed response activities

Regional Response Team
The Federal Response Organization (consisting of representatives from selected Federal and State agencies) which acts as a regional body responsible for planning and preparedness before an oil spill occurs and providing advice to the FOSC in the event of a major or substantial spill.

Reid Vapor Pressure Method
Method used by the American Society of Testing Materials to test vapor pressure. It is a measure of the volatility, or tendency to vaporize, of a liquid.

Responsible Party
Any person, owner/operator, or facility that has control over an oil or hazardous substance immediately before entry of the oil or hazardous substance into the atmosphere or in or upon

the water, surface, or subsurface land of the state.

F.2 DEFINITIONS, CONTINUED

Rivers and Canals
A body of water confined within the inland area that has a projected depth of 12 feet or less, including the Intracoastal Waterway and other waterways artificially created for navigation.

Skimmers
Mechanical devices used to skim the surface of the water and recover floating oil. Skimmers fall into four basic categories (suction heads, floating weirs, oleophilic surface units, and hydrodynamic devices) which vary in efficiency depending on the type of oil and size of spill.

Slopover
An event that occurs when water is introduced into a tank of very hot liquid, causing the liquid to froth and spatter.

Small Discharge (EPA)
Same as average most probable discharge.

Sorbents
Materials ranging from natural products to synthetic polymeric foams placed in confined areas to soak up small quantities of oil. Sorbents are very effective in protecting walkways, boat decks, working areas, and previously uncontaminated or cleaned areas.

Emergency Management Team
The personnel identified to staff the organizational structure identified in a response plan to manage response plan implementation.

Spontaneous Ignition
A fire that occurs without a flame, spark, hot surface, or other outside source of ignition.

Staging Areas
Designated areas near the spill site accessible for gathering and deploying equipment and/or personnel.

State Emergency Response Commission (SERC)
A group of officials appointed by the Governor to implement the provisions of Title III of the Federal Superfund Amendments and Reauthorization Act of 1986 (SARA). The SERC approves the State Oil and Hazardous Substance Discharge Prevention and Contingency Plan and Local Emergency Response Plans.

Static Electricity
Charges of electricity accumulated on opposing and usually moving surfaces having negative and positive charges, respectively. A hazard exists where the static potential is sufficient to discharge a spark in the presence of flammable vapors or combustible dusts.

Support Zone
Same as cold zone, an area free of contaminants so that personal protection equipment (PPE) is not required for personnel working in this area. Command functions and supporting operations are carried out here.

Tornado Warning
A tornado has been sighted.

Tornado Watch
Conditions are favorable for tornados to form.

F.2 DEFINITIONS, CONTINUED

Unified Command
The method by which local, state, and federal agencies will work with the Incident Commander to:

- Determine their roles and responsibilities for a given incident
- Determine their overall objectives for management of an incident
- Select a strategy to achieve agreed upon objectives
- Deploy resources to achieve agreed-upon objectives

Warm (Contamination Reduction) Zone
A buffer between the hot and cold zones. Decontamination activities take place there. Equipment needed to support the primary response operation may be staged in the warm zone.

Waste
Oil or contaminated soil, debris, and other substances removed from coastal waters and adjacent waters, shorelines, estuaries, tidal flats, beaches, or marshes in response to an unauthorized discharge. Waste means any solid, liquid, or other material intended to be disposed of or discarded and generated as a result of an unauthorized discharge of oil. Waste does not include substances intended to be recycled if they are in fact recycled within 90 days of their generation or if they are brought to a recycling facility within that time.

Wildlife Rescue
Efforts made in conjunction with federal and state agencies to retrieve, clean, and rehabilitate birds and wildlife affected by an oil spill.

APPENDIX G Last Revised: December 2013

ADDITIONAL INFORMATION

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- Heritage drill documentation 2006
- Heritage drill documentation 2007
- Heritage drill documentation 2008
- Jarrett OSRO Drills 2006
- Jarrett OSRO Drills 2007
- Jarrett OSRO Drills 2008
- Hazardous Waste Contingency Plan - Terminals
- EPA Region 5 - Documentation Response Letter 8/20/2010
- Heritage 2010 OSRO Drill Documentation
- 2011 OSRO Jarrett Industry Contractor Response Time Drill
- Jarrett 2009 Drill Deployment
- Jarrett 2010 Drill Deployment
- Heritage drill documentation 2009
- Heritage Drill Documentation 2011
- Jarrett Response Deployment
- Jarrett Deployment 2011
- Contractor Unannounced Drill Jarrett 2012
- Appointment and Authorization of Qualified Individuals 09/14/2012
- 2012 Enviromental Training / Discharge Prevention
- Sign in sheet for Table Top Drill Lessons Learned
- Jarrett Unannounced Equipment Deployement 2013
- 2013 Jarrett Deployment Lessons Learned
- Appointment and Authorization of Alternate Qualified Individuals 11/20/2013

APPENDIX H Last Revised: March 2013

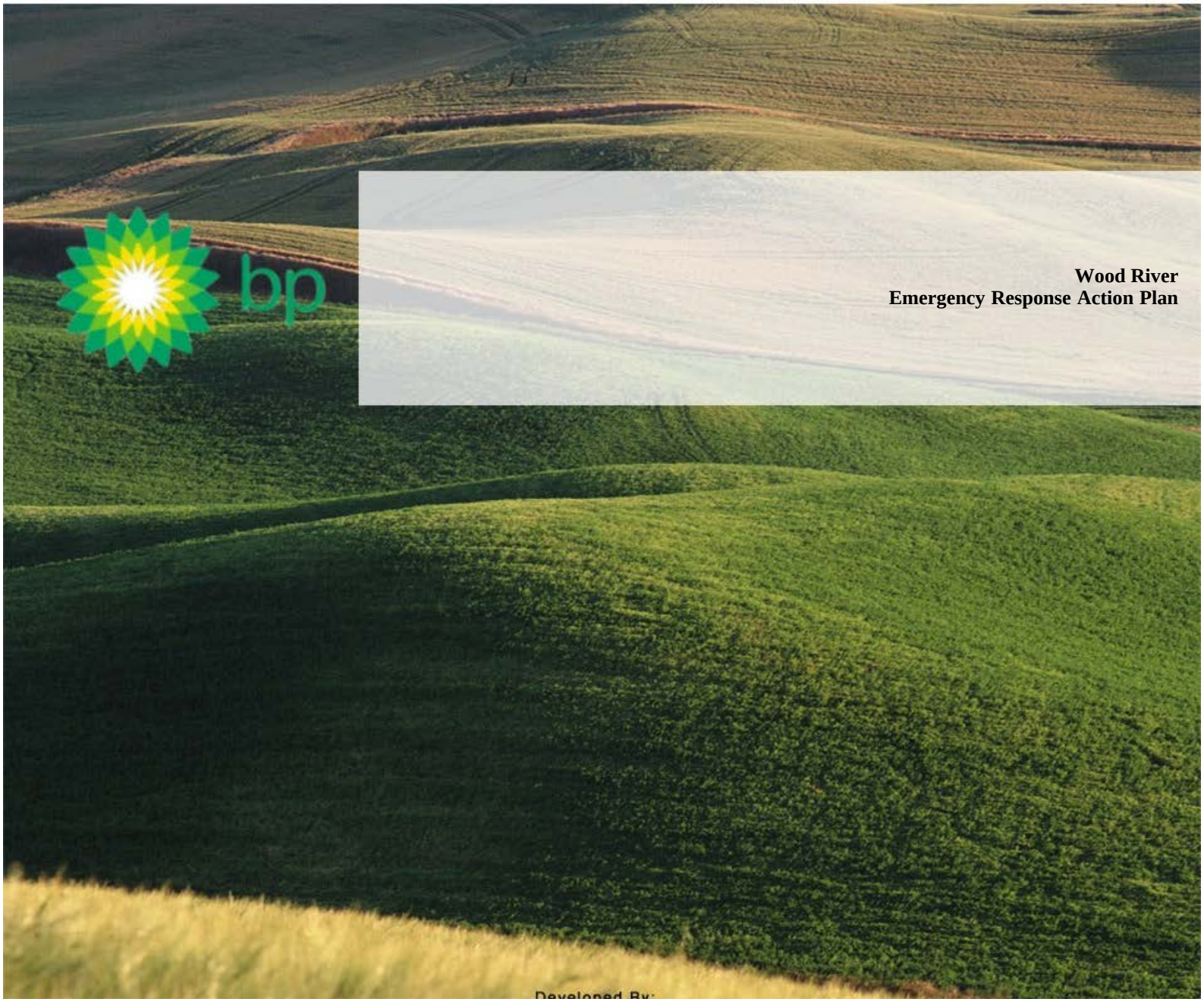
SITE SPECIFIC FORMS

© Technical Response Planning Corporation 2006

- OSRO Equipment Deployment Drill
- Haz-Woper Employee Cert. 2012
- Heritage 2012 Deployment Drill


bp
Wood River
Emergency Response Action Plan
Developed by:


bp
Wood River
Emergency Response Action Plan


bp
Wood River
Emergency Response Action Plan
Developed By:



1610 Woodstead Court #355 • The Woodlands, Texas 77380 USA • Tel: 281-955-9600 • Fax: 281-955-0369 • info@trpcorp.com • www.emergency-response-planning.com

Wood River

Emergency Response
Action Plan

1000 BP Lane
Hartford, IL 62048

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EMERGENCY RESPONSE ACTION PLAN

Last Revised: 12/10/2013

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(b) (7)(F) [redacted]

[redacted]

[redacted]

[redacted]

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EMERGENCY RESPONSE ACTION PLAN

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1.0 INTRODUCTION

1.1 Purpose / Scope of Plan

This Emergency Response Action Plan (ERAP) provides guidelines to assist in managing an emergency. The primary goal of this Plan is to provide tools to enable an efficient, coordinated, and effective response to emergencies. For more information on this plan, contact your supervisor, Regional Emergency Response and Crisis Management Coordinator.

The ERAP is not meant to replace common sense or actions not specifically described herein. Responders should continually evaluate the effectiveness of actions called for in this Plan and make the appropriate adjustments based on past experience and training.

This ERAP contains tactical response plans that identify site-specific potential response strategies. Response strategies, equipment and manpower requirements and site conditions are based on conditions that were present during site assessments. Actual conditions at the time of a response may vary significantly and may necessitate the need for a different strategy and/or

equipment requirements. The strategies and equipment lists contained in this plan should be used as guidelines only.

This document is intended to satisfy the requirements of 29 CFR 1910.38(a)(2) and 1910.120(l)(2) (OSHA Emergency Response Plan and Emergency Action Plan) and 40 CFR Part 112.20 (EPA Emergency Response Action Plan). Cross references for these regulations are located in **APPENDIX E** of the Facility Response Plan.

1.2 Plan Review and Updating Procedures

The ERAP will be reviewed and modified as appropriate to address new information.

Plan revisions will be numbered sequentially and entered on the Record of Changes Form. The change numbers, date, and description of change will also be entered on the form. These changes are then to be distributed to all plan holders on the Distribution List.

1.3 Facility Description

The Wood River Terminal (hereinafter referred to as ?the Terminal? or ?the Facility?) is owned and operated by BP Products North America, Inc. , and operated by BP U.S. Pipelines and Logistics. This is a complex facility and subject to USEPA and US Department of Transportation (USDOT) Pipeline and Hazardous Materials Safety Administration (PHMSA) regulatory requirements.

The Facility's SIC code is 5171 and NAICS code is 424710.

The Terminal is located in an industrial area in Hartford and Wood River, Illinois, with residential and commercial properties in the vicinity. The Terminal is on an approximately 600-acre site bordered by East Rand Avenue to the south with a refinery across the road; Marathon Pipeline facility and former BP refinery to the north; and railroad tracks (Norfolk Southern, Union Pacific, and Kansas City Southern) to the west with the Wood River Wastewater Treatment Plant and Lewis and Clark Boulevard across the tracks; and South Old Edwardsville Road to the east with residential properties across the road. Residential properties are also located to the southwest and northeast.

(b) (7)(F)

(b) (7)(F) [redacted]

The nearest navigable waterway to this Facility is the Mississippi River, which is located approximately one half to one mile to the west. The embankment for the railroad tracks is located between the Terminal and the river, and there do not appear to be culverts to allow runoff to flow under the embankment to the river. In addition, there are levees along the bank of the Mississippi River and drainage through the levees is controlled to prevent back flow during periods of high water.

Soils in the region generally consist of flood plain (Beaucoup silty clay loam and clayey fluvaquents) and underlain by competent sandstone and limestone of the Lower Pope Group (Aux Vases Sandstone through Glen Dean Limestone). The St. Louis region is considered to have a moderate seismic hazard and the soils underlying the Terminal are considered to be moderately liquefiable.

Products are loaded at the Terminal across the truck rack. Approved tanker truck drivers have access to the Terminal on a 24-hour basis for product transfer. To load at the Terminal, all tanker trucks must be equipped with a Sculley overfill protection system as well as equipment for vapor recovery. There is one (1) loading rack for tanker truck loading operations. (b) (7)(F) [redacted]

Dates and Types of Substantial Expansions:
(See APPENDIX C, FIGURE C-1 for additional information on tanks)
1908 to 1996 ? Initial construction and operations of Terminal, including Terminal Office, 23 tanks, piping, barge dock, and rail load out.
1996 - The Facility sold their barge loading/unloading facilities and disconnected pipelines to the barge dock.
1996 ? Discontinue operations at the rail loading rack and disconnect pipelines to rail loading rack.
2003 ? Started construction on a new consolidated facility in the Southern portion of the property.
2004 ? Installed additive Tanks A-1 thru A-5 and Tank A-9.
2004 ? Install truck loading rack; started operations December 2004.
2004 ? Discontinued operations at Korea Tank Farm; tanks cleaned and pipelines disconnected.

2006 ? Moved and renamed Tank F1 to Tank G298 (b) (7)(F) [redacted] and F2 to Tank D297 (b) (7)(F) [redacted]
2006 ? Installed additive tanks A-12, A-13, and A-14.

FIGURE 1-1 - FACILITY AREA MAP

(b) (7)(F)

2.0 RESPONSE STEPS

Figure 2-1 - **Initial Response Action Guidelines**

RESPONSE ACTION	PERSON TAKING ACTION	DATE/TIME ACTION TAKEN

	(INITIALS)	
First Responder/ Tactical Response Team (TRT)		
If in Impacted/source area, leave immediately (life safety first). Activate necessary alarms or otherwise alert asset personnel and workers.		
Pipeline Response in Right of Way (ROW): From safe distance, Identify character, exact source, amount, and extent of the release and other necessary items needed for notifications. Control source of Incident, if safe to do so (i.e. trained per USPL HAZWOPER Policy, qualified and properly PPE equipped). Otherwise, leave the area immediately.		
If fixed facility: Evacuate Personnel from facility, if necessary • To safe muster point • Conduct personal accountability (Roll call). Identify and control source of Incident, if safe to do so (i.e. trained per USPL HAZWOPER Policy, qualified and properly PPE equipped). Otherwise, leave the area immediately.		

Initiate Notifications IMMEDIATELY or within 15 minutes of discovering a discharge or release.
 	
• Call 911 (fire, Police, EMT)
• NRC (if potential water impact) **(800-424-8802)**
• OSRO/Response Contractor
  • Better to Over Respond - call all OSROs
  • Refer to **FIGURE 3-4**
• Qualified Individual (Team Lead/Terminal Manager)
• BP Notification Center **(800-321-8642)**		

If safe to do so, work with Fire Department/trained responders to: Identify hazards: • Establish hazard control, if necessary.* The area immediately surrounding a spill, leak, or discharge of hazardous material(s) which extends far enough to prevent adverse health and safety effects from the release[1].		

Verify evacuation status: • Verify all Personnel have evacuated from the Hazard Control Area to pre-designated assembly areas. If necessary, communicate need to potentially evacuate personnel at adjacent properties/locations. **Note 1:** See USPL Hazardous Waste Operations and Emergency Response (Hazwoper) Policy in DRM. The DOT Emergency Response Guidebook may be used to initially delineate the Hot Zone, or Exclusion Zone. Hot zones cannot be reduced until confirmed by air monitoring.		

Figure 2-1 - Initial Response Action Guidelines, continued

RESPONSE ACTION	PERSON TAKING ACTION (INITIALS)	DATE/TIME ACTION TAKEN
First Responder/ Tactical Response Team (TRT)		
*If safe to do so, shut down potential ignition sources, including motors, electrical pumps, electrical power, boats, vehicles, hot work, etc.		
The actuator lever for the horn is on the East side of the storage building across the street from the office. Fire=3/5 second blasts, Evacuation=5/5 second blasts, All Clear=1/15 second blast		
A button activated air horn is located on the East side of the maintenance building.(Marked on Orientation Brochure) Follow instructions on horn button for sounding different types of emergencies.		
The Emergency Alarm Siren is located at the northeast corner of the Maintenance Building. The siren is manually activated. Siren tests are conducted each Friday and consist of ten (10) one-second blasts.		
Incident Commander (Operations Team Leader/Terminal Manager)		
Ensure evacuation accountability (roll call) procedures implemented and confirm all personnel are accounted.		
Ensure notifications have been initiated/complete.		
Activate Tactical Response Team (TRT) and set up response organization.		
Assess the oil spill and/or Incident Potential . Determine if initial source control or containment has been established.		
Assess possible hazards to human health and the environment (including outside the fence line if at a fixed facility).		

Ensure Site Characterization and Monitoring is initiated near release site.		
If necessary: Initiate spill tracking and surveillance operations by activating surveillance aircraft and/or watercraft. Estimate trajectory of spill. Send photographer/videographer, if safe.		
Establish initial Incident Objectives and Priorities.		
Determine location of Incident Command Post (ICP) facilities and support. Assess operational requirements and resource requirements.		
Ensure ICS 201- Initial Incident Briefing Document is complete and distributed to Unified Command, IMT (if activated) and internal stakeholders.		
Ensure compliance with all safety practices and procedures. Ensure initial safety briefings with TRT and field responders is conducted		
If no response is warranted, ensure that appropriate regulatory notifications have been made and no further action is taken.		
DOCUMENT the incident • Ensure all responders capture response actions in personal log (ICS 214/notebook) • Collect all incident documentation and file on-site in training files.		

Figure 2-1 - Initial Response Action Guidelines, continued

RESPONSE ACTION	PERSON TAKING ACTION (INITIALS)	DATE/TIME ACTION TAKEN
Environmental Unit Leader (Environmental Coordinator)		
Notify appropriate agencies (refer to **FIGURE 3-4**) • National Response Center **(800-424-8802)** • State Emergency Response Commission (SERC) • Local Emergency Planning Committee (LEPC), if applicable		
Ensure HSSE Manager has been notified of Incident.		
Initiate environmental monitoring and waste disposal coordination per Federal/State/Local requirements.		
Site Safety Officer (Safety Coordinator or asset employee)		

Obtain incident brief from Incident Commander.		
Initiate incident safety hazard analysis.		
Complete incident specific Site Safety Plan.		
Incident Management Team (as appropriate to manage the incident)		
Implement all aspects of the Incident Command System (ICS) response framework.		
Initial Incident Command Post (ICP) will be designated by TRT. Consider secondary ICP accommodations due to incident size.		
Obtain ICS 201 from TRT. IMT IC will brief arriving IMT members and build response team and Unified Command (UC).		
Establish Communications Network.		
Prepare Strategic Objectives and Response Priorities and communicate to all responders.		
Set up information center. (Situation Unit Leader).		
Obtain updated spill trajectory.		
Initiate documentation procedures. Document all response actions taken, including notifications, agency/media meetings, equipment and personnel mobilization and deployment, and are impacted.		
Assist in completion of regulatory agency notifications, if needed.		
Identify environmentally sensitive areas at risk and recommended protection based on trajectory. • Utilize Near-shore Response Guides, Technical Spill Consultants, USF&WS, local agency representatives.		
Prepare an initial Incident Action Plan for the UC for the next operational period (NOP).		
Initiate development of Site Incident Specific Response Plans in anticipation of Unified Command request. • Waste management • Demobilization • Traffic (vessel, road, rail)- as necessary • Medical plan • Resource Management • Etc.		
Begin preparations for media relations.		

2.1 Spill Response Action Checklist

SPECIFIC RESPONSE ACTIONS	COMMENT
Line Break or Leak	
Shut down source/pumping equipment.	
Close upstream and downstream valves.	
Utilize Combustible Gas Indicator, O_2 meter, proper colorimetric indicator and other air sampling measurements (as applicable) to assure that areas are safe to enter for continued response operations.	
Mitigate spreading of the product as the situation demands. Potential containment strategies include: • Deployment of boom (Refer to the tactical sites in **SECTION 6** of the Facility Response Plan and Geographic Response Plan [GRP] from the ACP for potential strategies); • Diking, trenching, and/or diversion; • Spreading sorbent material over the spill; and • Prevent the spill from entering water to the greatest extent possible.	
Determine the direction and expected duration of spill movement. Refer to **SECTION 2.11.1**.	
Drain the line section, as the situation demands.	
Request local authorities to establish scene security and traffic control in the area, as the situation demands.	
Make all necessary repairs.	
Return the line/rack to service when repairs are complete.	
Clean up spilled product to eliminate any possible environmental problems. Be alert for underground cables.	
If the spill escapes the containment area, review the location of socio-economic and environmentally sensitive areas identified in **SECTION 9.0**. Determine which of these may be threatened by the spill and direct the response operation to these locations based on information in the tactical sites in **SECTION 6** of the Facility Response Plan and booming strategies in GRP. Initiate protection and recovery actions.	
Inform local utilities, telephone company, railway, etc., as necessary.	
Complete follow-up and written reporting, as the situation demands.	
Storage Tank Leak	
Shut down all tank product movement operations and isolate the tank.	
Initiate Confined Space Entry procedures, as applicable.	
Insure that the containment area drainage valve(s) is closed.	

If leak is near tank bottom, create and maintain a 'water bottom' to suspend the discharge of product.	
Utilize Combustible Gas Indicator, O_2 meter, proper colorimetric indicator and other air sampling measurements (as applicable) to assure that areas are safe to enter for continued response operations.	
Block drainage of spilled material from traveling off-site.	
Stop all traffic in hazardous area (inside and outside of property boundaries), as the situation demands.	
Remove product from containment (at a sump or in a low area) with an explosion proof pump, oil skimmer, and/or vacuum truck w/skimmer attachments.	
If applicable, process remaining product through a separator system.	

2.1 Spill Response Action Checklist, Continued

SPECIFIC RESPONSE ACTIONS	COMMENT
Storage Tank Leak, Continued	
Determine the direction and expected duration of spill movement.	
Request that local authorities establish scene security and traffic control in the area, as necessary.	
Empty tank as soon as possible.	
Make all necessary repairs. Return the line/tank to service when repairs and integrity testing are completed.	
Clean up product spill to eliminate any possible environmental problems. Be alert for underground cables, conduits, etc.	
If necessary, call an approved waste removal company to handle the remaining sludge and residue from the containment area.	
If the spill escapes the containment area, review the location of socioeconomic and environmentally sensitive areas identified in **SECTION 9.0** and the ACP. Determine which of these may be threatened by the spill and direct the response operationto these locations based on information in the tactical sites in **SECTION 6** of the Facility Response Plan and booming strategies in Geographic Response Plan (in the ACP). Determine which of these may be threatened by the spill and direct the response to these locations. Initiate protection and recovery actions.	
Inform local operators such as utilities, telephone company, railway, as necessary.	
Complete follow-up and written reporting, as the situation	

demands.	
Leak or Spill at Truck Rack	
Evacuate personnel from the truck rack area, as the situation demands.	
Shut down all loading operations, pumps motors and loading valves.	
Guard against all sources of ignition.	
Secure the area. Stop all traffic from entering rack or hazardous area.	
If a line leak is involved, close off riser valves and/or tank valves.	
Clean area with sorbent material, flush (with water) all remaining product into a separator system.	
Resume truck loading operations as directed by Terminal Management.	
Truck Leaks/Spills Outside Terminal	
Notify local fire and police departments.	
Assist local responders (police) to secure the area.	
Notify Terminal Management of the incident with the following information: • Location of spill. • Size of spill. • Product type. • Present situation. • If assistance/equipment is required for cleanup. • If product spills on a highway or other impervious surface, clean area with sorbent materials, vacuum truck, or other cleanup equipment as available or necessary. If product has entered sewer system, advise the local Fire Department.	
Consider the need to evacuate area Facility. If requested, provide product information to local authorities (fire, police departments) as necessary.	

2.1 Spill Response Action Checklist, Continued

SPECIFIC RESPONSE ACTIONS	COMMENT
Marine Operation Spills/Leaks	
Shut down all engines/motors.	
Close all line and vessel manifold discharge valves.	
If hose rupture is involved, drain line into vessel, drums, or	

buckets and blank line to stop spill into water.	
Initiate Confined Space Entry procedures, as applicable.	
Utilize Combustible Gas Indicator, O_2 meter, proper colorimetric indicator and other air sampling measurements (as applicable) to assure that areas are safe to enter for continued response operations.	
If other than hose rupture, determine source of leak and stop discharge.	
Prevent discharge from entering the water if at all possible by: • Pumping from sump or deck drainage system into drums, tanks, containment area, or other storage facility. • Directing the flow into a containment or collection area away from the water, if feasible. • Placing containment boom or sorbent material around area (provided that a safe operating environment exists).	
If product enters the water and a safe operating environment exists, try to contain by: • Deploying spill response equipment (facility and/or contract) to prevent/mitigate spill impact (spreading of spill).	
Attempting to divert/contain the spill: • In quiet area or low current areas of the water. • Away from strong winds or in areas that could be affected by change in wind direction. • Away from areas of hazard to public, property improvements, marinas, water intakes, or any environmentally sensitive areas.	
Make all necessary repairs.	
Return the line/vessel to service when repairs are complete.	
Clean up spilled product to eliminate any possible environmental problems. Be alert for underground cables, etc.	
If the spill escapes the containment area, review the location of socioeconomic and environmentally sensitive areas identified in **SECTION 9.0** and the ACP. Determine which of these may be threatened by the spill and direct the response operation to these locations based on information in the tactical sites in **SECTION 6** of the Facility Response Plan and booming strategies in Geographic Response Plan. Initiate protection and recovery actions.	
Request local authorities (USCG, Port Authority, etc.) to	

establish traffic control in the area, as the situation demands.	
Inform local operators such as utilities, telephone company, railway, as necessary.	
Complete follow-up and written reporting, as the situation demands.	

2.2 Fire, Explosion, and Vapor Release Response Actions

SPECIFIC RESPONSE ACTIONS	COMMENT
FIRE / EXPLOSION	
1. Discontinue all tasks in progress (hot work, truck loading, maintenance, etc.)	
2. Sound local fire alarm, if available.	
3. Attempt to extinguish incipient stage fires, if trained to do so.	
4. Ensure 911 or local ER number was called to activate Fire and EMS support.	
Report the condition to Management and take further defensive actions as instructed.	
5. Report the Situation to QI/Management and ensure other internal/external notifications are in progress, as appropriate.	
6. Evacuate personnel to designated assembly areas and Account for personnel (roll call). Communicate any missing personnel (with potential last location) to the Fire Department.	
7. Emergency shutdown systems and/or manually (from a safe distance) isolate fuel sources and shut down engines and heaters.	
8. Ensure Asset emergency response plans have been activated. Ie: Facility Response Plan Security Plan	
9. Establish a secure perimeter around the area to prevent unauthorized entry per asset security plan.	
10. Liaison with Fire Department to continue tactical measures to contain the fire;	

11. Recognize fire conditions which present BLEVE hazards and protect personnel and the public appropriately. Communicate potential bleve hazards to Fire Department.	
12. Contain spilled material and runoff. Dike far ahead of the release, as necessary.	
13. Conduct post-incident activities.	
14. Ensure all incident/response documentation is compiled and filed.	
VAPOR RELEASE	
Report the release to Terminal Manager/Team Lead/QI.	
Sound the facility alarm.	
Do not assume vapors or gases are harmless because of lack of odor - **Harmful vapors or gases may be odorless.**	

2.2 Fire, Explosion, and Vapor Release Response Actions, Continued

SPECIFIC RESPONSE ACTIONS	COMMENT
VAPOR RELEASE, CONTINUED	
Evacuate personnel from the immediate area to the designated assembly area or to a location upwind of the release.	
Account for personnel using roll call.	
Engage emergency shutdown systems and/or manually isolate release from a safe distance.	
Isolate all sources of potential ignition.	
Establish a secure perimeter around the area to prevent unauthorized entry using Security Plan.	
Complete internal and external notifications, as appropriate.	
Assess the threat to the public and notify public officials as appropriate.	
Liaison with local Emergency Responders (Fire, Police) to evacuate surrounding homes, businesses, etc. Potentially impacted by vapor cloud.	
Conduct post-incident activities.	
Ensure all incident/response documentation is compiled and filed.	

2.2.1 BLEVE - Boiling Liquid Expanding Vapor Explosion

BLEVE occurs when:

- Sealed containers of liquefied gases are accidentally exposed and enveloped by fire.
- Vapor is generated and internal pressure rapidly rises.
- The container wall temperature rises in the outage or unfilled area.
- Wall strength deteriorates and the stress applied by the increased pressure exceeds the reduced strength of the wall.
- The container ruptures and super-heated liquid is released, expands and vaporizes in seconds resulting in catastrophic damage from the spread of ignited vapors. The ruptured vessel or tank could propel dangerous shrapnel significant distances. It is important that:
  - Vessels or tanks are kept cool and
  - External fires are extinguished quickly.

Fire Fighters should do the following:

- Fight fire from the maximum distance possible or use unmanned hose holders or monitor nozzles.
- Cool containers by flooding them with large amounts of water until well after the fire is out.
- Do not direct water at the source of leak or at safety devices; icing may occur.
- Leave the area immediately if you hear a rising sound from venting safety devices or see discoloration of the tank.
- For massive fires, use unmanned hose holders or monitor nozzles; if this is impossible, leave the area and let the fire burn.
- Be aware that when a BLEVE occurs, sections of the tank can fly in any direction. Just avoiding the ends of the tank should not be considered a safe operating procedure.

Always consider your own safety and the safety of people in the immediate area first.

2.3 Medical Emergency / Personal Injury Checklist

SPECIFIC RESPONSE ACTIONS	COMMENT
General	
Medical emergencies may involve and/or be categorized as follows: a. **First Aid** - One or more patients with minor injuries which can be effectively managed with the application of routine First Aid. This type of injury does not require medical transport to a hospital, but may require follow-up with a Physician. b. **Serious** - One or more patients with moderate to serious injuries, requiring response by local Emergency Medical Services (EMS) and may include transport to a hospital for advanced care and treatment. c. **Life-Threatening** - One or more patients with serious or life-threatening injuries, requiring response by local Emergency Medical Services (EMS) and includes transport to a hospital for advanced care and treatment.	

Assess the scene.	
Summon local Emergency Medical Services (EMS) to the scene; provide information on the nature of injuries and number of injured persons (**FIGURE 3-4**).	
If trained, provide First Aid/CPR as necessary, until EMS arrives at the scene; injured personnel should not be moved unless the situation is life threatening.	
Assist with Medical Evacuation (via air or ground transport) as recommended by EMS personnel.	
Establish a secure perimeter around the area to prevent unauthorized entry. Initiate the Site Security Plan, as necessary.	
Notify Team Leader/Terminal Manager and make appropriate notifications to local emergency agencies if necessary. Make other internal management contacts as appropriate (**FIGURE 3-3**).	
In case of a fatality: • Do not move the victim. • Do not release name of victim(s). • Contact local law enforcement. • Contact local medical authority. • Preserve the accident site. • Restrict all communications concerning the incident (do not release names of victims unless authorized).	
Conduct post-incident activities.	
Ensure all incident/response documentation is compiled and filed.	

2.4 Earthquake/Tornado Procedure

SPECIFIC RESPONSE ACTIONS	COMMENT
1. Activate the emergency alarm, if available.	
2. Evacuate personnel from the immediate area to a safe assembly area. Determine safe location based on impact to facility.	
3. Account for personnel using roll call.	
4. Evaluate the extent of the emergency.	
5. If time permits, engage emergency shutdown systems and/or manually isolate processes and equipment.	
6. Notify the Team Leader/Terminal Manager and make other internal notifications, as appropriate. (**FIGURE 3-3**)	

7. Conduct an inspection for residual safety hazards, such as: • Process safety/integrity; • Structural damage; • Downed power lines; and • Leaking natural gas, water, and sewer lines.	
8. Arrange for necessary repairs.	
9. Conduct post-incident activities.	
10. Ensure all incident/response documentation is compiled and filed.	

2.5 Flooding Procedure

SPECIFIC RESPONSE ACTIONS	COMMENT
1. Account for personnel.	
2. Notify Manager and make other internal notifications, as appropriate. (**FIGURE 3-3**)	
3. Evaluate the extent of the emergency.	
4. Prepare an evacuation plan based upon flood crest and weather forecast.	
5. Maintain tank levels, as appropriate (consider filling tanks that might float with water).	
6. Secure all loose items in the area that could do harm to other equipment (pipe, tools).	
7. Engage emergency shutdown systems and/or manually isolate processes and equipment, if necessary.	
8. Evacuate personnel, as necessary. Conduct Accountability via roll call.	
9. Conduct an inspection for residual safety hazards, such as: • Structural damage; • Downed power lines; • Leaking natural gas, water, and sewer lines; • Poisonous snakes and other wildlife sheltering in structures, vehicles, and furniture; and	

• Avoid direct contact with flood water, mud, and animal carcasses.	
10. Arrange for necessary repairs.	
11. Conduct post-incident activities.	
12. Ensure all incident/response documentation is compiled and filed.	

2.6 Hurricane Procedure

SPECIFIC RESPONSE ACTIONS	COMMENT
Prior to Hurricane Season	
1. Conduct hurricane awareness training, which includes evacuation routes and asset hurricane procedures.	
2. Coordinate activities with local and state agencies involved in hurricane preparation (Emergency Access Cards, etc.).	
3. Communicate recommended Community Evacuation routes.	
4. Determine disposition of Company vehicles during evacuation.	
5. Each location should maintain current photographs of facilities.	
June 1st to November of Hurricane Season	
1. Verify the availability of and procure emergency supplies, as necessary: • Portable radios • Plywood, lumber, plastic sheeting, or covering • Drinking water • First Aid Kits • Flashlight and batteries • Tools • Emergency non-perishable food item	
2. Ensure emergency generators and portable equipment is in good working order and sufficient fuel is available.	
Hurricane entering Gulf of Mexico or Approaching East Coast	
1. Implement hurricane procedures.	
2. Identify employees who may volunteer to implement hurricane	

procedures.	
72 hours prior to hurricane's eye reaching landfall	
1. Cancel all training and meetings requiring travel to affected areas.	
2. Designate location for temporary Communication Center.	
3. Verify contractor contacts and availability.	
4. All employees shall provide to their supervisor an evacuation location and contact number.	
5. Each location shall identify a radio frequency which broadcasts emergency weather information.	
6. Report facility status to Corporate Management.	

2.6 Hurricane Procedure, Continued

SPECIFIC RESPONSE ACTIONS	COMMENT
48 hours prior to hurricane's eye reaching landfall	
1. Implement flex-shift to allow employees to secure personal property.	
2. Ensure all storage tanks are stabilized.	
3. Ensure all below ground sumps have been pumped dry.	
4. Secure all critical documents including electronic data.	
5. Elevate electrical equipment, sensitive office equipment and documents in the event of high water.	
6. Report facility status to Corporate Management.	
36 hours prior to hurricane's eye reaching landfall	
1. Communicate with suppliers and affected customers.	
2. Report facility status to Corporate Management.	
24 hours prior to hurricane's eye reaching landfall	
1. Begin shutdown operations.	

2. Release non-essential personnel.	
3. Report facility status to Corporate Management.	
12 hours prior to hurricane's eye reaching landfall	
1. Man Communications Center continuously.	
2. Report facility status to Corporate Management.	
Post Storm Recovery Procedure	
1. Initiate facility damage assessment.	
2. Report facility status to Corporate Management.	
3. Once access has been granted, the following processes should be surveyed for operational reliability prior to startup: • Electrical panels and motors, • Instrument air system, • Emergency Shutdown System, • Tank and Vessel foundation and support (possible washouts), and • Check for dangerous wildlife and reptiles.	

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Wood River **ERAP - 21**

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2.11 Evacuation Checklist

SPECIFIC RESPONSE ACTIONS	COMMENTS
Request assistance from off-site agencies; convey Command Post's location.	
Assemble personnel at predetermined safe location: upwind/up gradient of release (regrouping area).	
Account for Company and contractor personnel.	
Assess casualties (number/type/location).	
Determine probable location of missing personnel.	
Secure site, establish re-entry point and check-in/check-out	

procedures.	
Develop list of known hazards (confined spaces, electrical hazards, physical hazards, vapors, oxygen deficiency, fire/explosion, etc.).	
Monitor situation (weather, vapors, product migration) for significant changes.	
Assist in developing a Rescue Plan, if necessary.	

2.11.1 Evacuation Factors

EVACUATION FACTORS	
FACTOR	**DESCRIPTION**
Stored material location	• Located in oil storage area. • Identified in Facility Plot Plan.
Spilled material hazards	• Hazard is fire/explosion.
Water currents, tides or wave conditions	• According to the U.S Geological Survey, the Mississippi River at Alton, IL has an average daily stream flow of approximately 250,000 cubic feet per second. • Based on the data from US Army Corps of Engineers (St. Louis, MO), current in the main channel of the Mississippi River at normal pool elevation is estimated to be approximately 5.5 feet per second and the overall flow direction is to the south.
Evacuation routes	• Routes are summarized on Evacuation Plan Diagram. (**FIGURE 6-2**) • Criteria for determining safest evacuation routes from facility may include: wind direction, potential exposure to toxins and carcinogens, intense heat, potential for explosion/fire, and blockage of planned route by fire, debris, or released liquid.
Alternate evacuation routes	• Refer to Evacuation Plan Diagram. (**FIGURE 6-2**) • Alternate evacuation route is to Remediation Office and out the North Gate (also known as the West Gate). In addition, personnel may evacuate through the main contractor gate at the northeast corner of the Terminal, if necessary.
Injured personnel transportation	• Emergency services can be mobilized to the Facility. (**FIGURE 3-4**)

	Hospital will be contacted and ambulance will used to transport critically injured personnel.

2.11.1 Evacuation Factors, Continued

EVACUATION FACTORS	
FACTOR	**DESCRIPTION**
(b) (7)(F)	• (b) (7)(F) • [redacted] • [redacted] • [redacted] • [redacted] • [redacted] • [redacted] • [redacted]

Community evacuation plans	• Company may request local police assistance (see **FIGURE 3-4** for notification information). Community evacuations are the responsibility of these agencies. • The local LEPC/Madison County maintains the community evacuation plan at the Wood River Fire Department 501 East Edwardsville Rd Wood River IL.

2.11.1 Evacuation Factors, Continued

EVACUATION FACTORS	
FACTOR	**DESCRIPTION**
(b) (7)(F) [redacted]	• [redacted] • [redacted] • [redacted] • [redacted] • [redacted] • [redacted] • [redacted]
(b) (7)(F) [redacted]	• [redacted] • [redacted]

Emergency personnel/response equipment arrival route	• (b) (7)(F) [redacted] • Directions to nearest medical facility provided below.

2.11.1 Evacuation Factors, Continued

EVACUATION FACTORS	
FACTOR	**DESCRIPTION**
(b) (7)(F) [redacted]	• [redacted] • [redacted] • [redacted]
[redacted]	• [redacted] • [redacted]
[redacted]	• [redacted] • [redacted]
Directions to nearest medical facility	Directions to Alton Memorial Hospital and Midwest Occupational Medicine : • ALTON MEMORIAL HOSPITAL: Take IL 3 (Lewis and Clark Blvd, turns into Homer Adams Pkwy) toward Alton for approximately 3.4 miles. Take IL 140 / College Avenue exit and turn west (left). Take College Avenue for approximately 1.1

	miles. Turn south (left) on Rock Springs Drive for approximately 0.2 miles. Entrance to the hospital is on the right. • MIDWEST OCCUPATIONAL MEDICINE: Take S Central Avenue / IL 111 north (left) approximately 1.3 miles. Turn west (left) on E Madison Avenue / IL 143 approximately 1.3 mile. Entrance is on the right.

3.0 NOTIFICATIONS

FIGURE 3-1 - EMERGENCY NOTIFICATION FLOW CHART

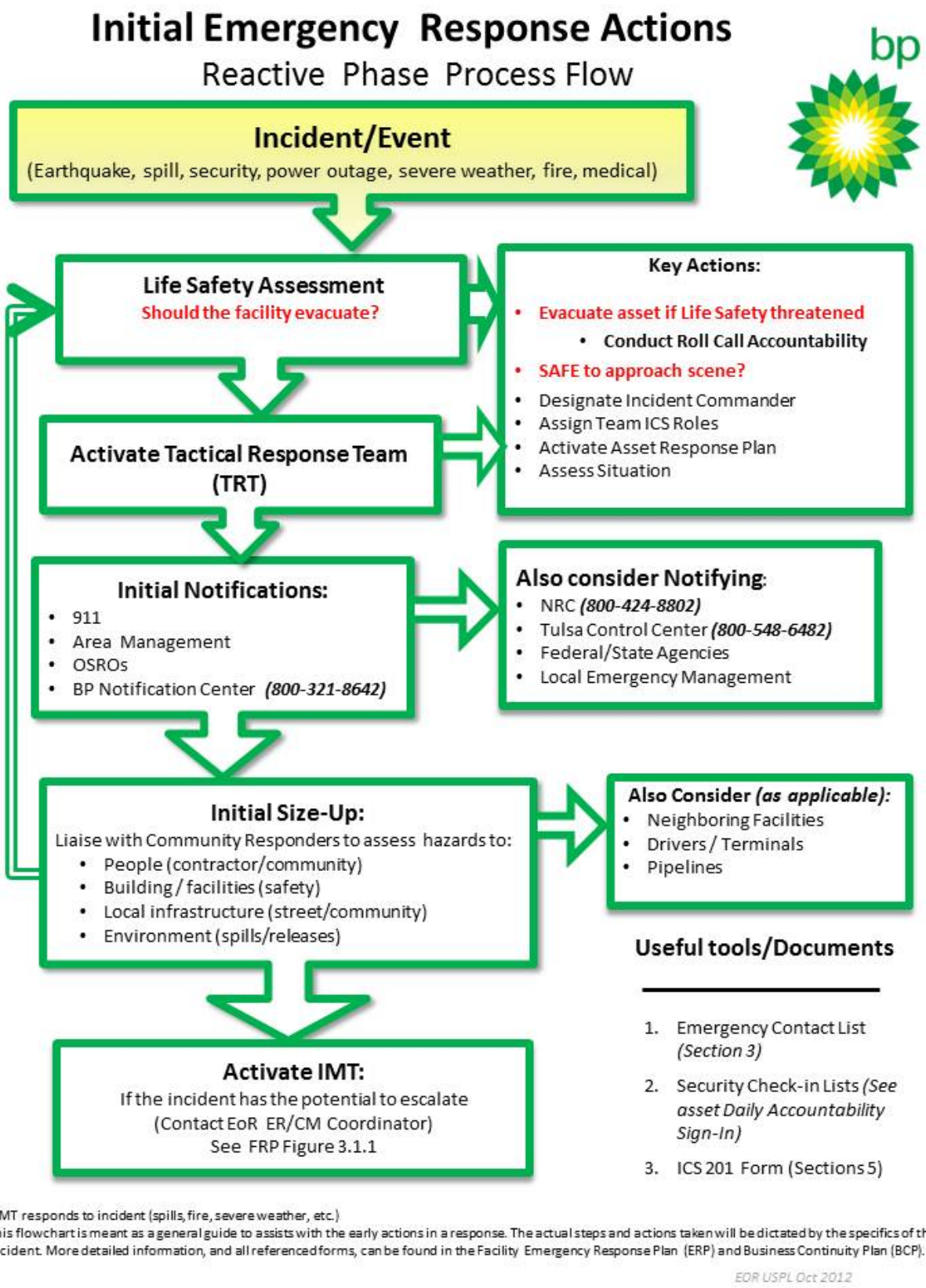


FIGURE 3-2 - RELEASE / DISCHARGE / INCIDENT TELEPHONE NOTICE

Do not delay making notifications while obtaining the information and completing this form.

INVOLVED PARTIES			
Reporting Party		**Suspected Responsible Party**	
Name:		Name:	
Phone:	(Day)	Phone:	(Day)
	(Evening)		(Evening)
Position:		Company:	
Company:		Organizational Type: ☐ Private Citizen ☐ Private Enterprise ☐ Public Utility ☐ Local Government ☐ State Government ☐ Federal Government	
Address:			
Person Discovering Incident			
Name:			
Company/Organization:			
City: State: Zip:			
Were materials released/discharged? ☐ Yes ☐ No		Calling for Responsible Party ☐ Yes ☐ No	
Meets Federal Obligations to Report? ☐ Yes ☐ No (If YES, see below for date/time notification made)			

INCIDENT DESCRIPTION			
Start Date:	Time: ☐ AM ☐ PM	Weather:	
End Date:	Time: ☐ AM ☐ PM	Latitude: _____ degrees _____ min _____ sec N	
		Longitude: _____ degrees _____ min _____ sec W	
Mile Post/River Marker:			
City/County:		Distance from City:	
State:		Direction from City:	
Source and Cause of Incident:			
Storage Tank Type: ☐ Above Ground ☐ Below Ground ☐ Unknown			
Tank Capacity:		Facility Capacity:	

MATERIAL INFORMATION			
CHRIS Code	**Product Released / Discharged**	**Released / Discharged Quantity (Include units of measure)**	**Quantity in Water (Include units of measure)**

FIGURE 3-2 - RELEASE / DISCHARGE / INCIDENT TELEPHONE NOTICE, CONTINUED

INITIAL IMPACT	
Number of Injuries:	Number of Deaths:
Were there Evacuations? ☐ Yes ☐ No	Number Evacuated:
Was there any Damage? ☐ Yes ☐ No	
Damage in dollars (estimate):	
Is the Release / Discharge Contained within the boundaries of the facility? ☐ Yes ☐ No	
Direction of Flow:	
RESPONSE ACTION(S)	
Action(s) Taken to Correct, Control or Mitigate Incident:	
ADDITIONAL INFORMATION	
Any information about the incident not recorded elsewhere in the report (e.g., duration of spill; if incident is continuing, intermittent, or terminated; treatment or disposal measures).	
COMPLETED NOTIFICATIONS	

Report	Phone Number	Date	Case Number	Time	Name	Title
NRC ☐	(800) 424-8802*					

FIGURE 3-3 - INTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

*24 Hour Number

The Qualified Individual (QI) and Alternate QI have been granted the authority, including contracting authority, to implement the Facility Response Plan. Terminal personnel comprise the Facility Tactical Response Team (FTRT). The Initial FTRT will consist of the Terminal personnel on-duty at the time of an incident.

FACILITY TACTICAL RESPONSE TEAM						
NAME/TITLE	PHONE NUMBER	RESPONSE TIME (hours)	ICS POSITION	RESPONSE TRAINING TYPE[1]		
				1	2	3
Tom Antenucci Area Manager Midwest Terminals and Pipelines Primary Qualified Individual	(513)482-3215 (Office) (317)694-5948 *(Mobile)	4-6	Alternate Incident Commander, Command Staff Support	x	x	x
Vernon St. Peters Terminal Manager Alternate Qualified Individual	(618) 254-7781 (Office) (b) (6) [redacted] (618) 779-2285 *(Mobile)	0.5	Incident Commander, Qualified Individual			
William (Doug) Heimer Scheduler, Wood River, IL	(618) 254-7794 (Office) (b) (6) [redacted] (815) 370-0749 *(Mobile)	0.5	Logistics Section Chief			
Phil Smith	(618) 254-7785 (Office) (618) 660-0166	< 0.5	Operations Section			

	*(Mobile)		Chief			
Brad Tonsor	(618) 254-7793 (Office) (618) 779-2292 *(Mobile)	0.5	Planning Section Chief			
24/7 Terminal Number / Lead Operator	(618) 254-7790* (Office)	N/A				
Rack Technician	(618) 254-7792 (Office)	N/A				
Maintenance	(618) 741-8037 (Office)	N/A				
BP Pipelines	(618) 254-8422 (Office) (618) 254-6758 (Fax) *(Mobile)	N/A				
BP Tulsa Control Center	(918) 660-4457, (918) 660-4301 (Office)	N/A				

EMERGENCY RESPONSE TRAINING TYPE	
There are three different types of training described below including HAZWOPER, OPA, 90 / ICS, and Qualified Individual Training. An "x" has been placed in the applicable columns (type 1, 2, or 3) in the table above for the type of training completed by each individual. Blank spaces indicate training has not been completed.	
TYPE	DESCRIPTION (All training completed on an annual basis.)
1	29 CFR 1910.120 HAZWOPER
2	OPA 90 (training Reference for Oil Spill Response) and ICS
3	Qualified Individual Training

FIGURE 3-3 - INTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

EMERGENCY RESPONSE PERSONNEL AND BUSINESS UNIT NOTIFICATIONS						
NAME/TITLE	PHONE NUMBER	RESPONSE TIME (hours)	ICS POSITION	RESPONSE TRAINING TYPE[1]		
				1	2	3

Paula Skryja Emergency Response/Crisis Management Coordinator	(708) 390-5521 (Office) (443) 310-2099 *(Mobile)	4-6	Crisis Management Advisor	x	x	x
Jeff A. Piatt Environmental Coordinator	(618) 632-6972 (Office) (b) (6) (618) 580-0322 *(Mobile)	0.75	Environmental Unit Leader	x	x	
William Watts Safety Coordinator	(312) 218 8119 (Office) (b) (6) (312) 218 8119 *(Mobile)	4-6	Site Safety Officer	x	x	
Daniel Shaffer Engineering & Maintenance	(630) 536-2636 (Office)	4-6		x	x	
Corporate Security	(630) 420-4400* (Office)	N/A				
Quality & Tech Services - Hotline - Business Hours	(800) 841-5255 (Office), (800) 237-9436 Non-Business Hours (Office)	N/A				
BP Notification Center (BPNC)	(800) 321-8642* (Office), (630) 961-6200 (Office), (630) 961-6965 (Fax) (Office)	N/A				
Ronald Rybarczyk Government & Public Affairs Director (GPA)	(419) 698-6376 (Office) (b) (6) (816) 536-1328 *(Mobile)	4-6	Public Information Officer / Liaison Officer		x	

EMERGENCY RESPONSE TRAINING TYPE	
There are three different types of training described below including HAZWOPER, OPA, 90 / ICS, and Qualified Individual Training. An "x" has been placed in the applicable columns (type 1, 2, or 3) in the table above for the type of training completed by each individual. Blank spaces indicate training has not been completed.	
TYPE	DESCRIPTION (All training completed on an annual basis.)

1	29 CFR 1910.120 HAZWOPER
2	OPA 90 (training Reference for Oil Spill Response) and ICS
3	Qualified Individual Training

FIGURE 3-3 - INTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

EMERGENCY RESPONSE CONTRACTORS			
NAME/TITLE	**PHONE NUMBER**	**RESPONSE TIME (hours)**	**RESPONSIBILITY DURING RESPONSE ACTION**
Jarrett Industries, Inc.	(618) 251-4116* (618) 779-2944 (Mike Young) (618) 973-5047 (Jeff Heintz cell) (618) 779-2734 (Ron Weber cell)	1	Equipment and Personnel Emergency Response Support
Heritage Environmental Services, LLC	(800) 487-7455* (National Response #)	1	Equipment and Personnel Emergency Response Support

FIGURE 3-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Initial		
National Response Center (NRC) - NRC will contact the USCG and EPA completing the Federal notifications.	(800) 424-8802* (202) 267-2675* (202) 267-1322 Fax	
U.S. Environmental Protection Agency, Region V (IL, IN, MI, MN, OH, WI) 77 W. Jackson Blvd, Chicago, IL, 60604	(312) 353-2318* Emergency Response	
Recommended		
Federal Agencies		
Occupational Safety and Health Administration (OSHA) - Washington, D.C.	(800) 321-6742*	
U.S. Army Corps of Engineers, St. Louis District	(314) 331-8068 (618) 452-7107 (Lock 27)	

U.S. Coast Guard - Sector Upper Mississippi (St. Louis)	(866) 360-3386 (Emergency) (314) 269-2500	
U.S. Dept. of Transportation (DOT) Office of Pipeline Safety (Notified via NRC)	(202) 366-4000 main number (202) 366-4433 admin (202) 366-4595 emergency Office of Pipeline Safety	
U.S. Environmental Protection Agency, Region VII (IA, KS, MO, NE), 901 North 5th St, Kansas City, KS, 66101	(913) 281-0991* (Spill Line) (913) 551-7003 (8:00 am - 4:30 pm) (800) 223-0425 (8:00 am - 4:30 pm) (913) 551-7066 Fax	
U.S. Fish and Wildlife Service	(800) 344-9453 (309) 757-5800 x 206 Rock Island Field Office (612) 725-3548 Twin Cities Ecological Field Office	
State Agencies		
IL Workers Compensation Commission - Industrial Commission	(217) 785-7087	
Illinois Emergency Management Agency (SERC) (Illinois Environmental Emergency Hotline)	(800) 782-7860 when calling within state (217) 782-7860* when calling from outside state	
Illinois Environmental Protection Agency (In addition to SERC notification for a Hazardous Materials Release)	(217) 782-3637	
Illinois State Fire Marshall	(312) 814-2693 (8am-5pm) Office of Fire Prevention	
Illinois State Police Command Center District Springfield, IL	(800) 782-7860* (In-state) (217) 786-6677 (statewide emergencies)	
Missouri Department of Natural Resources (MODNR) Environmental Emergency Reporting Number	(573) 634-2436 Emergency	
Local Agencies		
Madison County Emergency Management LEPC	(618) 692-0537	

FIGURE 3-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
Police Departments		
Hartford Police	911* (618) 254-4393	
Wood River Police	911* (618) 251-3113	
Fire Departments		
Hartford Fire Department	911* (618) 254-4393	
Wood River Fire Department	911* (618) 259-0984	
Emergency Medical Services		
Alton Memorial Hospital	(618) 463-7311	
Anderson Hospital (Maryville, IL)	(618) 288-5711	
Midwest Occupational, Dr. George Dirkers	(618) 251-5202	
Wood River Ambulance (Fire Department)	911* (618) 259-0984	
USCG Classified OSRO's		
Heritage Environmental Services, LLC Wood River, IL	(800) 487-7455* (National Response #)	
Non-Classified OSRO's		
Jarrett Industries, Inc.	(618) 251-4116* (618) 779-2944 (Mike Young) (618) 973-5047 (Jeff Heintz cell) (618) 779-2734 (Ron Weber cell)	
Neighboring Facilities		
BP Wood River Remediation - Tom Tunnicliff	(618) 254-9074 (Office) (314) 422-0249* (Mobile)	
Explorer Pipeline (Wood River, IL)	(618) 251-0250 (618) 251-0251	
Explorer Pipeline Co.	(888) 876-0036 Emergency	

	(918) 493-5153	
Kansas City Southern Emergency Contact	(877) 527-9464	
Marathon Pipe Line LLC	(800) 537-6644 Emergency (419) 421-3587	

FIGURE 3-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
Neighboring Facilities		
Marathon Pipeline (Wood River, IL)	(618) 254-6622 (618) 225-0690	
Norfolk and Southern (NS Police Emergency Contact)	(800) 453-2530	
Phillips 66 Pipeline (Wood River, IL)	(618) 255-2384	
Phillips 66 Pipeline Co.	(800) 231-2551 Emergency (580) 767-6236	
Phillips Pipeline Co.	(800) 766-8690 Emergency (618) 337-6066	
Phillips Refinery (Wood River, IL) - Fire Department	(618) 255-2345 (618) 255-2624 Rick Haase Fire Chief	
Shell Pipeline Co.	(800) 634-4325 Emergency (918) 223-2402 (918) 223-6248	
Union Pacific (UP Police Emergency Contact)	(888) 877-7267	
Parks/Recreation Areas		
Illinois Department of Natural Resources Region V Office - Southern Illinois	(618) 435-8138	
Missouri Department of Conservation St. Louis Regional Office	(636) 441-4554	
Missouri Department of Natural Resources Division of State Parks	(800) 334-6946 (573) 751-2479	
National Park Service (Trustee of Sensitive Area)	(800) 759-4726 Emergency (202) 273-3431	

	Emergency (314) 655-1700	
U.S. Army Corps of Engineers Recreation and Management Areas	(314) 303-1409	
Radio Stations		
KMOX ? AM-1120 (St. Louis, MO)	(314) 621-2345	
Service Providers (as needed)		
Phillips ? Oil Spill Cooperative (Wood River, IL)	(618) 255-2345 (618) 255-2624 Rick Haase Fire Chief	

FIGURE 3-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
Television Stations		
KDNL ? ABC-30 (St. Louis, MO)	(314) 436-3030	
KMOV ? CBS-4 (St. Louis, MO)	(314) 621-4444	
KSDK ? NBC-5 (St. Louis, MO)	(314) 421-5055	

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Weather		
National Weather Service (Recorded Forecasts)	(636) 441-8467	
Wildlife Rehabilitation		
Tri-State Bird Rescue (Newark, DE)	(302) 737-9543	

4.0 PUBLIC AFFAIRS

This section contains guidelines for dealing with the media during an emergency. The Incident Commander will play a key role in providing the initial public assessment and taking the first steps to provide the Company's public response. Information in this section includes:

- Guidelines for dealing with the media
- Incident Fact Sheet (**FIGURE 4-1**)

GUIDELINES FOR DEALING WITH THE MEDIA

- You as a Company Manager are the most logical person for reporters to seek out for information
- Reporters will look elsewhere to find out what happened if you do not answer their questions; however, if you do not have this information or are not prepared to answer a particular question, say so then say when they can expect the answers to their questions (such as one hour)
- It is important to be courteous to all media representatives and to provide a safe place for them to wait until a company representative can meet them; you may need to provide an initial statement

LINK FILES

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TECHNICAL RESPONSE PLANNING CORPORATION

1995 ✧ 2005
10 YEARS OF EXCELLENCE

May 29, 2009

Mr. Tzallas
Oil Planning and Response Section (SE-5J)
77 West Jackson Boulevard
Chicago, IL 60604

RE: Facility Response Plan for the BP Products, U.S. Terminals & Distribution Wood River Terminal (EPA FRP # FRPFRP0500156)

Dear FRP Coordinator:

Enclosed is a copy of the updated BP Wood River Terminal Facility Response Plan for your review and approval. Please direct all questions and correspondence to Vernon St. Peters (Terminal Manager) at 1000 BP Lane Hartford, IL 62048 or (618) 254-7630.

Sincerely,
TECHNICAL RESPONSE PLANNING CORPORATION



Greg Desmond
Senior Project Manager

Federal Express

8203 Willow Place South Suite 160 | Houston, Texas 77070 | Office: (281) 955-9600 | Fax: (281) 955-0369 | E-mail: info@trpcorp.com |Internet:www.trpcorp.com

TECHNICAL RESPONSE PLANNING CORPORATION

1995 ✧ 2008
13 YEARS OF EXCELLENCE

May 29, 2009

Ms. Barber
Response Plans Officer, Pipeline and Hazardous Material Safety
U.S. Department of Transportation
1200 New Jersey Avenue SE - Room E22-210
Washington, D.C. 20590

RE: RSPA Sequence Number (Request PHMSA #) Wood River Oil Spill Response Plan

Dear Ms. Barber:

Enclosed are two CD's of the updated BP Wood River Terminal Oil Spill Response Plan for your review and approval. Please direct all questions and correspondence to Vernon St. Peters (Terminal Manager) at 1000 BP Lane Hartford, IL 62048 or (618) 254-7630.

Sincerely,
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond
Senior Project Manager

Enclosures
Federal Express

TECHNICAL RESPONSE PLANNING CORPORATION

1995 ✧ 2005
10 YEARS OF EXCELLENCE

May 29, 2009

Vernon St. Peters
BP Wood River Terminal
1000 BP Lane
Hartford, IL 62048

RE: Facility Response Plan for the BP Products, U.S. Terminals & Distribution Wood River Terminal (EPA FRP # FRP0500226)

Dear Mr. St. Peters:

Enclosed is a copy of the updated BP Wood River Terminal Facility Response Plan for your use. A copy of this plan has also been submitted to the EPA and PHMSA for review and approval. The EPA and PHMSA will supply correspondence about approval or requested revisions to the Terminal. It is imperative that any correspondence from the EPA or PHMSA be supplied immediately to TRP to address any additional requests or post the approval. If you have any questions please contact me at (281) 955-9600 ext. 115 or e-mail gdesmond@trpcorp.com.

Sincerely,
TECHNICAL RESPONSE PLANNING CORPORATION



Greg Desmond
Senior Project Manager

Federal Express

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Facility Response Plan Review
United States Department of Transportation
Pipeline and Hazardous Materials Safety Administration (PHMSA)
Office of Pipeline Safety (OPS)

OPS Sequence Number: BPIL
Facility Response Plan Version Date:
June 2009
Pipeline Operator Name:
BP Products U.S. Logistics - Wood River Terminal
Contact Name:
Vernon St. Peters
Contact Office, Fax, and Cellular Telephone Numbers:
(618) 254-7630 (Office)
(b) (6)
(618) 779-2285 (Mobile)
Contact Mailing Address:
1000 BP Lane
Hartford, IL 62048
Contact Electronic Mail Address:

If different from the Contact Name, Facility Response Plan Author Name:
Greg Desmond
Facility Response Plan Author Office, Fax, and Cellular Phone Numbers:
281-955-9600 ext 115 (Office)
Facility Response Plan Author Mailing Address:
9720 Cypresswood Drive Suite 340
Houston, TX 77070
Facility Response Plan Author Electronic Mail Address:
gdesmond@trpcorp.com
Date of Review:
July 2009

National Contingency Plan and Area Contingency Plan Certifications

For Sequence Number: BPIL

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1. A. Has the operator reviewed the National Contingency Plan (NCP) and each applicable Area Contingency Plan (ACP)? B. Does the Facility Response Plan follow the Area Contingency Plans? C. Please list the names of the Area Contingency Plans and the pages in the Facility Response Plan that relate to the Area Contingency Plans. (49 CFR 194.107(b)) **Yes, the operator has reviewed the National Contingency Plan (NCP) and applicable Area Contingency Plan (ACP). The Facility Response Plan also follows the Area Contingency Plans. A list of the Area Contingency Plans can be found in the Facility Response Plan in Section 1.1 on page 10.**

Area Contingency Plans and Related Pages: **Section 1.1 Purpose / Scope of Plan**

Comment:

Recommendation:

Plan Information Summary

For Sequence Number: BPIL

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2. Does the Plan Information Summary contain the following? (49 CFR 194.107(c)(1), (c)(1)(i) and (c)(2) and 49 CFR 194.113) **Yes, the Plan Information Summary contains each of the following.**

- The Operator Name, Street Address, City, State, and Zip Code **Yes, the Operator Name, Street Address, City, State, and Zip Code can be found in the Facility Response Plan in Figure 1-2 on page 3.**

  A list of response zones that meet the criteria for significant and substantial harm (49 CFR 194.113(a)(2)) and a list of response zones in which a worst-case discharge could cause substantial harm **Yes, a list of response zones that meet the criteria for significant and substantial harm (49 CFR 194.113(a)(2)) and a list of response zones in which a worst-case discharge could case substantial harm can be found in the Facility Response Plan in Figure 1-2 on page 5.**

  The basis for the operator's determination that the response zone meets the criteria for significant and substantial harm and a statement that a worst-case discharge in the response zone can be expected to cause significant and substantial harm for each response zone. **Yes, the basis for the operator's determination that the response zone meets the criteria for significant and substantial harm and a statement that a worst-case discharge in the response zone can be expected to cause significant and substantial harm for each response zone can be found in the Facility Response Plan in Figure 1-2 on page 5.**

  Description of each response zone, including the County(s) or Parish(es) and State(s) **Yes, a description of the each response zone, including the County(s) or Parish(es) and State(s) can be found in the Facility Response Plan in Figure 1-2 on page 5.**

  Explanation for each response zone designation **Yes an explanation for each response zone designation can be found in the Facility Response Plan in Figure 1-2 on page 5.**

- Name(s), title(s), and office and cellular telephone number(s) for the Qualified Individual(s) twenty-four hours a day in each response zone. **Yes, the name(s), title(s), and office and cellular telephone number(s) for the Qualified Individual(s) twenty-four hours a day in each response zone can be found in the Facility Response Plan in Figure 1-2 on page 4.**

- Name(s), title(s), and office and cellular telephone number(s) for the Alternate Qualified Individual(s) twenty-four hours a day in each response zone **Yes, the name(s), title(s), and office and cellular telephone number(s) for the Alternate Qualified Individual(s) twenty-four hours a day in each response zone can be found in Figure 1-2 on page 4.**

- List of line sections in each response zone by milepost, survey station number, or other operator designation **Yes, a list of line sections in each response zone by**

milepost, survey station number, or other operator designation can be found in the Facility Response Plan in Figure 1-2 on page 5.

- If any response zone contains multiple pipeline systems, all pipeline systems are described and the oils they transport are listed **No, the response zone does not contain multiple systems. The response zone contains one pipeline system. Refer to the Facility Response Plan in Figure 1-2 on page 5.**

- The type of oil and the volume of the worst-case discharge in each response zone? **Yes, the type of oil and the volume of the worst-case discharge in each response zone can be found in the Facility Response Plan in Figure 1-2 on page 5.**

Page Reference: **Figure 1-2 - Wood River Information Summary**

Comment: **The response zone contains one pipeline system.**

Recommendation:

Notifications

For Sequence Number: BPIL

3.1 What person, position, or facility is responsible for starting immediate notification? (49 CFR 194.107(c)(1)(ii)) Please list the person's, position's, or facility's mailing and electronic mail addresses and office, fax, and cellular telephone information. **Yes, the person, position, or facility that is responsible for starting immediate notification, including mailing and electronic mail addresses and office, fax, and cellular telephone information can be found in the Facility Response Plan in Figure 1-2 on page 4 and in Section 3.1 on page 2.**

Page Reference: **Figure 1-2 - Wood River Information Summary** and **Section 3.1 Emergency Information and Notification Procedures**

Comment:

Recommendation:

3.2 Is the person, position, or facility capable of starting immediate notification twenty-four hours a day, three hundred sixty-five days a year? (49 CFR 194.107(c)(1)(ii)) Please describe your immediate notification plan. **Yes, the person, position, or facility is capable of starting immediate notification twenty-four hours a day, three hundred sixty-five days a year. Refer to the Facility Response Plan in Section 3.1 on page 2 and in Figure 3.1-3 on pages 5 through 8 for a description of the immediate notification plan.**

Page Reference: **Section 3.1 Emergency Information and Notification Procedures** and **Figure 3.1-3 - Internal Notifications and Telephone Numbers**

Comment:

Recommendation:

3.3 Do the Facility Response Plan notification procedures include telephone numbers so that the qualified individual(s) and oil spill removal organization(s) can be reached twenty-four hours a day, three hundred sixty-five days a year? (49 CFR 194.107(b)(1) and (2), 194.107(c)(1)(ii) and 194.113(b)(2)) **Yes, the Facility Response Plan notification procedures include telephone numbers so that the qualified individual(s) and oil spill removal organization(s) can be reached twenty-four hours a day, three hundred sixty-five days a year. Refer to the Facility Response Plan in Figure 3.1-3 on pages 5 through 8, in Figure 3.1-4 on page 10, and in Figure B.1-2 on page 5.**

- Qualified Individual(s)? : **Yes, qualified individual(s) information can be found in the Facility Response Plan in Figure 3.1-3 on pages 5 through 7.**

- Oil Spill Removal Organization(s)? : **Yes, Oil Spill Removal Organization(s) can be found in the Facility Response Plan in Figure 3.1-4 on page 10 and in Figure B.1-2 on page 5.**

- Are the National Response Center numbers correctly listed as 1-800-424-8802 and 202-267-2675 in the plan? : **Yes, the National Response Center numbers are correctly listed as 1-800-424-8802 and 202-267-2675 in the Facility Response Plan. Refer to the Facility Response Plan in Figure 3.1-4 on page 9.**

- Company personnel? : **Yes, Company personnel information can be found in the Facility Response Plan in Figure 3.1-3 on pages 5 through 7.**

Page Reference: **Figure 3.1-3 - Internal Notifications and Telephone Numbers**, **Figure 3.1-4 - External Notifications and Telephone Numbers**, and **Figure B.1-2 - Emergency Response Contractors**

Comment:

Recommendation:

3.4 Does the notification section include the following information? (49 CFR 194.107(b)(1) and (2), and 194.107(c)(1)(ii))

- Name of pipeline operator? : **Yes, the name of the pipeline operator can be found in the Facility Response Plan in Figure 3.1-2 on page 4.**

- Time of discharge? : **Yes, the time of discharge can be found in the Facility Response Plan in Figure 3.1-2 on page 4.**

- Location of discharge? : **Yes, the location of discharge can be found in the Facility Response Plan in Figure 3.1-2 on page 4.**

- Name of oil involved? : **Yes, the name of the oil involved can be found in the Facility Response Plan in Figure 3.1-2 on page 4.**

- Reason for discharge? : **Yes, the reason for discharge can be found in the Facility Response Plan in Figure 3.1-2 on page 4.**

- Estimated volume of oil discharged? : **Yes, the estimated volume of oil discharged can be found in the Facility Response Plan in Figure 3.1-2 on page 4.**

- Weather conditions on scene? : **Yes, the weather conditions on scene can be found in the Facility Response Plan in Figure 3.1-2 on page 4.**

Page Reference: **Figure 3.1-2 - Spill / Incident Telephonic Notice**

Comment:

Recommendation:

3.5 Does the Facility Response Plan name and give the address(es) and telephone number(s) for the operator's oil spill removal organization(s)? (49 CFR 194.107(c)(1)(iv) and 194.115)

- Name(s)? : **Yes, the Facility Response Plan provides the name(s) of the operator's oil spill removal organization(s) in Section B.1.1 on pages 2 through 3.**

- Address(es)? : **Yes, the Facility Response Plan provides the address(es) of the operator's oil spill removal organization(s) in Section B.1.1 on pages 2 through 3.**

- Telephone Number(s)? : **Yes, the Facility Response Plan provides the telephone number(s) of the operator's oil spill removal organization(s) in Figure 3.1-4 on page 10.**

Page Reference: **Appendix B.1.1 OSRO Classification** and **Figure 3.1-4 - External Notifications and Telephone Numbers**

Comment:

Recommendation:

Spill Detection and Mitigation Procedures
For Sequence Number: BPIL

4.1 Does the Facility Response Plan contain procedures to name and mitigate or prevent a substantial threat of a worst-case discharge? (49 CFR 194.107(a) and (b)(2)(i)) **Yes, the Facility Response Plan contains procedures to name and mitigate or prevent a substantial threat of a worst-case discharge in Section D.5.2 on pages 17 through 19.**

Page Reference: **Appendix D.5.2 Worst Case Discharge (WCD) Scenario Discussion**

Comment:

Recommendation:

4.2 Does the Facility Response Plan name personnel, equipment, and procedures for detecting leaks and spills and locating spills throughout the response zone? (49 CFR 194.107(c)(1)(iii)): **Yes, the Facility Response Plan names personnel, equipment, and procedures for detecting leaks and spills and locating spills throughout the response zone in Section 2.1.1 on page 8 and in Section D.3 on pages 3 through 7.**

Page Reference: **Section 2.1.1 Spill Detection and Mitigation Procedures** and **Appendix D.3 Spill Detection / Prevention Inspection**

Comment:

Recommendation:

4.3 Does the Facility Response Plan name the maximum time to detect the spill and shut down flow in affected pipeline(s) in bad weather? (49 CFR 194.105(b)(1)): **Yes, the Facility Response Plan names the maximum time to detect the spill and shut down flow in affected pipeline(s) in bad weather in Section D.7.2 on pages 24 through 27.**

Page Reference: **Appendix D.7.2 DOT / PHMSA Portion of Pipeline / Facility**

Comment:

Recommendation:

4.4 Does the Facility Response Plan have procedures to mitigate spills appropriate for the response zone(s) and consistent with applicable Area Contingency Plan(s)? (49 CFR 194.107(b)(2)(i), and (c)(1)(iii) and (v)) **Yes, the Facility Response Plan has procedures to mitigate spills appropriate for the response zone(s) and is consistent with applicable Area Contingency Plan(s). Refer to the Facility Response Plan in Section 2.1.1 on page 8 and in Section D.3 on pages 3 through 7.**

Page Reference: **Section 2.1.1 Spill Detection and Mitigation Procedures** and **Appendix D.3 Spill Detection / Prevention Inspection**

Comment:

Recommendation:

Spill Containment

For Sequence Number: BPIL

5.1 Does the Facility Response Plan name spill containment strategies appropriate for the response zone(s) and consistent with applicable Area Contingency Plans? (49 CFR 194.107(b)(1)(iii), (b)(2)(i), and (c)(1)(v)) **Yes, the Facility Response Plan names spill containment strategies appropriate for the response zone(s) and it is consistent with applicable Area Contingency Plans. Refer to the Facility Response Plan in Section 6.2 on pages 2 through 6.**

Page Reference: **Section 6.2 Spill Containment / Recovery**

Comment:

Recommendation:

5.2 Can planned spill containment activities be accomplished within the appropriate tier times? (49 CFR 194.107(b)(2)(i) and (c)(1)(v), and 194.115) **Yes, planned spill containment activities can be accomplished within the appropriate tier times. Refer to the Facility Response Plan in Section 6.2 on pages 2 through 6, in Section 7.1.2 on page 5, and in Section B.1.1 on pages 2 through 3.**

Page Reference: **Section 6.2 Spill Containment / Recovery**, **Section 7.1.2 Response Equipment Inspection and Maintenance**, and **Appendix B.1.1 OSRO Classification**

Comment:

Recommendation:

5.3 Are containment equipment capacities described in sufficient detail and does the Facility Response Plan identify enough spill containment equipment to respond to a worst-case discharge to the maximum extent practicable? (49 CFR 194.107(b)(2)(i) and (c)(1)(v), and 194.115) **Yes, containment equipment capacities are described in sufficient detail and the Facility Response Plan identifies enough spill containment equipment to respond to a worst-case discharge to the maximum extent practicable. Refer to the Facility Response Plan in Section 7.1.1 on page 3, in Figure 7.1-1 on page 4, and in Section B on pages 1 through 5.**

Page Reference: **Section 7.1.1 Response Equipment**, **Figure 7.1-1 Regional Company and Response Contractor's Equipment List / Response Time**, and **Appendix B Contractor Response Equipment**

Comment:

Recommendation:

Spill Recovery

For Sequence Number: BPIL

6.1 Does the Facility Response Plan identify the spill recovery strategies appropriate for the response zone(s) and consistent with applicable Area Contingency Plan(s)? (49 CFR 194.107(b)(1)(iii), (b)(2)(i) and (iv), and (c)(1)(v)): **Yes, the Facility Response Plan identifies the spill recovery strategies appropriate for the response zone(s) and is consistent with applicable Area Contingency Plan(s). Refer to the Facility Response Plan in Section 6.2 on pages 2 through 6.**

Page Reference: **Section 6.2 Spill Containment / Recovery**

Comment:

Recommendation:

6.2 Can planned spill recovery activities be accomplished within the appropriate tier times?
5.4 (49 CFR 194.107(b)(2)(i) and(c)(1)(v), and 194.115) **Yes, planned spill recovery activities can be accomplished within the appropriate tier times. Refer to the Facility Response Plan in Section 6.2 on pages 2 through 6, in Section 7.1.2 on page 5, and in Section B.1.1 on pages 2 through 3.**

Page Reference: **Section 6.2 Spill Containment / Recovery**, **Section 7.1.2 Response Equipment Inspection and Maintenance**, and **Appendix B.1.1 OSRO Classification**

Comment:

Recommendation:

6.3 Are recovery equipment capacities described in sufficient detail and does the Facility Response Plan identify sufficient spill recovery equipment to respond to a worst-case discharge to the maximum extent practicable? (49 CFR 194.107(b)(2)(i) and (c)(1)(v), and 194.115) **Yes, recovery equipment capacities are described in sufficient detail and the Facility Response Plan identifies sufficient spill recovery equipment to respond to a worst-case discharge to the maximum extent practicable. Refer to the Facility Response Plan in Section 7.1.1 on page 3, in Figure 7.1-1 on page 4, and in Section B on pages 1 through 5.**

Page Reference: **Section 7.1.1 Response Equipment**, **Figure 7.1-1 Regional Company and Response Contractor's Equipment List / Response Time**, and **Appendix B Contractor Response Equipment**

Comment:

Recommendation:

Disposal
For Sequence Number: BPIL

7.1 Does the Facility Response Plan identify disposal procedures, including temporary storage equipment for recovered oil appropriate for the response zone and consistent with applicable Area Contingency Plans? (49 CFR 194.107(b)(1)(iii), (b)(2)(i), and (c)(1)(v)) **Yes, the Facility Response Plan identifies disposal procedures, including temporary storage equipment for recovered oil appropriate for the response zone and is consistent with applicable Area Contingency Plans. Refer to the Facility Response Plan in Section 5.5 on pages 39 through 40 and in Section 7.3 on pages 11 through 15.**

Page Reference: **Section 5.5 Disposal Plan** and **Section 7.3 Waste Management**

Comment:

Recommendation:

7.2 Can planned temporary storage and waste disposal activities be accomplished within the appropriate tier times? (49 CFR 194.107(b)(2)(i) and (c)(1)(v), and 194.115) **Yes, planned temporary storage and waste disposal activities can be accomplished within the appropriate tier times. Refer to the Facility Response Plan in Section 7.3 on pages 11 through 15 and in Section B.1.1 on pages 2 through 3.**

Page Reference: **Section 7.3 Waste Management** and **Appendix B.1.1 OSRO Classification**

Comment:

Recommendation:

7.3 Does the Facility Response Plan identify sufficient temporary storage capabilities to respond to a worst-case discharge to the maximum extent practicable? (49 CFR 194.107(b)(2)(i) and (c)(1)(v), and 194.115) **Yes, the Facility Response Plan identifies sufficient temporary storage capabilities to respond to a worst-case discharge to the maximum extent practicable in Figure 7.3-3 on page 14.**

Page Reference: **Figure 7.3-3 Temporary Storage Methods**

Comment:

Recommendation:

Sensitive Area Protection
For Sequence Number: BPIL

8.1 Does the Facility Response Plan identify the protection strategies appropriate for the response zone and consistent with applicable Area Contingency Plans? (49 CFR 194.107(b)(1)(iii), (b)(2)(i) and (ii), and (c)(1)(v)) **Yes, the Facility Response Plan identifies the protection strategies appropriate for the response zone and is consistent with applicable Area Contingency Plans in Section 6.3 on pages 7 through 12 and in Section 6.4 on pages 13 through 15.**

Page Reference: **Section 6.3 Sensitive Area Protection** and **Section 6.4 Alternative Response Strategies**

Comment:

Recommendation:

8.2 Can planned protection activities be accomplished within the appropriate tier times? (49 CFR 194.107(b)(2)(i) and (c)(1)(v), and 194.115) **Yes, planned protection activities can be accomplished within the appropriate tier times. Refer to the Facility Response Plan in Section 6.3 on pages 7 through 12, in Section 6.4 on pages 13 through 15, in Section 7.1.2 on page 6, and in Section B.1.1 on pages 2 through 3.**

Page Reference: **Section 6.3 Sensitive Area Protection**, **Section 6.4 Alternative Response Strategies**, **Section 7.1.2 Response Equipment Inspection and Maintenance**, and **Appendix B.1.1 OSRO Classification**

Comment:

Recommendation:

Response Management

For Sequence Number: BPIL

9.1 Is the response management system described in the Facility Response Plan based on an Incident Command System? (49 CFR 194.107(b)(1)(i), (b)(2)(iii), and (c)(3)) **Yes, the response management system described in the Facility Response Plan is based on an Incident Command System. Refer to the Facility Response Plan in Figure 3.1-3 on pages 5 through 8, in Figure 3.1-4 on pages 9 through 12, and in Section 4.2 on page 5.**

Page Reference: **Figure 3.1-3 - Internal Notifications and Telephone Numbers**, **Figure 3.1-4 - External Notifications and Telephone Numbers**, and **Section 4.2 Activation Procedures**

Comment:

Recommendation:

9.2 Does the operator's response organization describe roles and responsibilities for (49 CFR 194.107(b)(1)(i), (b)(2)(iii), and (c)(3))

- Qualified Individual? : **Yes, the roles and responsibilities for the Qualified Individual are described in the Facility Response Plan in Section 4.5 on pages 5 through 8.**

- Other operator response personnel including the spill management team? : **Yes, the roles and responsibilities for other operator response personnel including the spill management team, are described in the Facility Response Plan in Section 4.6 on pages 9 through 18.**

- Contracted Oil Spill Removal Organization(s)? : **Yes, the roles and responsibilities for contracted Oil Spill Removal Organization(s) are described in the Facility Response Plan in Section B on pages 1 through 5.**

Page Reference: **Section 4.5 Qualified Individual (QI)**, **Section 4.6 Incident Management Team (IMT) Job Description Checklists**, and **Appendix B Contractor Response Equipment**

Comment:

Recommendation:

9.3 Does the operator's response organization describe how the operator works with the Unified Command and with responders including (49 CFR 194.107(b)(1)(i), (b)(2)(iii), and (c)(3)):

- Oil Spill Removal Organization(s)? : **Yes, a description of how the operator works with the Unified Command and with responders, including Oil Spill Removal Organization(s), are described in the Facility Response Plan in Section 4.1.1 on page 2.**

- State and Local responders? : **Yes, a description of how the operator works with the Unified Command and with responders, including State and Local responders, are described in the Facility Response Plan in Section 4.4 on page 5 and in Section 4.6 on page 10.**

- Federal On-Scene Coordinator? : **Yes, a description of how the operator works with the Unified Command and with responders, including Federal On-Scene Coordinator, are described in the Facility Response Plan in Section 4.4 on page 5 and in Section 4.6 on page 10.**

Page Reference: **Section 4.1.1 Facility Response Team**, **Section 4.4 Incident Command System / Unified Command**, and **Section 4.6 Incident Management Team (IMT) Job Description Checklists**

Comment:

Recommendation:

Communications, Response Equipment and Transportation
For Sequence Number: BPIL

10.1 Does the Facility Response Plan describe appropriate communications procedures and system(s) adequate for notifications and response operations? (49 CFR 194.107(c)(1)(ii) and (v)) **Yes, the Facility Response Plan describes appropriate communications procedures and system(s) adequate for notifications and response operations in Section 7.1.6 on pages 7 through 8.**

Page Reference: **Section 7.1.6 Communications Plan**

Comment:

Recommendation:

10.2 Does the Facility Response Plan identify response equipment that the operator owns and maintains? (49 CFR 194.107(c)(1)(v) and 194.115(a)) **Yes, the Facility Response Plan identifies response equipment that the operator owns and maintains in Section 7.1.1 on page 3.**

Page Reference: **Section 7.1.1 Response Equipment**

Comment:

Recommendation:

10.3 Does the Facility Response Plan describe procedures for maintaining response equipment the operator owns? (49 CFR 194.107(c)(1)(viii)) **Yes, the Facility Response Plan describes procedures for maintaining response equipment the operator owns in Section 7.1.2 on page 5.**

Page Reference: **Section 7.1.2 Response Equipment Inspection and Maintenance**

Comment:

Recommendation

10.4 Does the Facility Response Plan identify Oil Spill Removal Organization(s)' response equipment when the U.S. Coast Guard has not classified the Oil Spill Removal Organization? (49 CFR 194.107(c)(1)(v) and 194.115(a)) **Yes, the Facility Response Plan identifies Oil Spill Removal Organization(s)' response equipment when the U.S. Coast Guard has not classified the Oil Spill Removal Organization in Section B.1.1 on page 3, in Figure B.1-1 on page 4, and in Figure 7.1-1 on page 4.**

Page Reference: **Appendix B.1.1 OSRO Classification**, **Figure B.1-1 Evidence of Contracts**, and **Figure 7.1-1 - Regional Company and Response Contractor's Equipment List / Response Time**

Comment:

Recommendation:

10.5 Does the Facility Response Plan describe procedures for maintaining Oil Spill Removal Organization(s)' response equipment when the U.S. Coast Guard has not classified the Oil Spill Removal Organization? (49 CFR 194.107(c)(1)(viii)) **Yes, the Facility Response Plan describes procedures for maintaining Oil Spill Removal Organization(s)' response equipment when the U.S. Coast Guard has not classified the Oil Spill Removal Organization in Figure A.1-2 on page 4.**

Page Reference: **Figure A.1-2 - Exercise Requirements**

Comment:

Recommendation:

10.6 Does the Facility Response Plan identify location(s) for operator-owned and Oil Spill Removal Organization-owned response equipment? (49 CFR 194.115(b)) **Yes, the Facility Response Plan identifies location(s) for operator-owned and Oil Spill Removal Organization-owned response equipment in Section 7.1.1 on page 3 and in Section B on pages 1 through 5.**

Page Reference: **Section 7.1.1 Response Equipment** and **Appendix B Contractor Response Equipment**

Comment:

Recommendation:

10.7 Does the Facility Response Plan describe mobilizing and deploying response equipment within the appropriate tier times consistent with the plan's response activities? (49 CFR 194.107(c)(1)(v) and 194.115(b)) **Yes, the Facility Response Plan describes mobilizing and deploying response equipment within the appropriate tier times consistent with the plan's response activities in Section 7.1.1 on page 3, in Section 7.1.2 on page 5, and in Section B.1.1 on pages 2 through 3.**

Page Reference: **Section 7.1.1 Response Equipment**, **Section 7.1.2 Response Equipment Inspection and Maintenance**, and **Appendix B.1.1 OSRO Classification**

Comment:

Recommendation:

10.8 Does the size of the response zone permit planned response activities, including equipment mobilization and deployment, within the appropriate tier times? (49 CFR 194.115(b)) **Yes, the size of the response zone permits planned response activities, including equipment mobilization and deployment, within the appropriate tier times. Refer to the Facility Response Plan in Section 7.1.1 on page 3 and in Section B.1.1 on pages 2 through 3.**

Page Reference: **Section 7.1.1 Response Equipment** and **Appendix B.1.1 OSRO Classification**

Comment:

Recommendation:

Response Personnel and Mobilization
For Sequence Number: BPIL

11.1 Does the Facility Response Plan identify enough trained personnel to respond to the worst-case discharge consistent with the Plan's response activities? (49 CFR 194.107(a), (c)(1)(v), and (c)(3), 194.115, and 194.117): **Yes, the Facility Response Plan identifies enough trained personnel to respond to the worst-case discharge consistent with the Plan's response activities. Refer to the Facility Response Plan in Figure 3.1-3 on page 5 through 8 and in Section B on pages 1 through 5.**

Page Reference: **Figure 3.1-3 Internal Notifications and Telephone Numbers** and **Appendix B Contractor Response Equipment**

Comment:

Recommendation:

11.2 Does the Facility Response Plan describe procedures for mobilizing and deploying response personnel throughout the response zone(s) consistent with the Plan's response activities? (49 CFR 194.107(b)(2)(i) and (c)(1)(v), and 194.115): **Yes, the Facility Response Plan describes procedures for mobilizing and deploying response personnel throughout the response zone(s) consistent with the Plan's response activities. Refer to the Facility Response Plan in Section 3.1 on page 2, in Figure 3.1-1 on page 3, in Section 4.2 on page 5, and in Figure 2-1 on pages 3 through 4.**

Page Reference: **Section 3.1 Emergency Information and Notification Procedures**, **Figure 3.1-1 Emergency Notification Flow Chart**, **Section 4.2 Activation Procedures**, and **Figure 2-1 Initial Response Action Guidelines**

Comment:

Recommendation:

Response Documentation and Worst Case Discharge
For Sequence Number: BPIL

12.1 Does the operator describe procedures the response management organization must use to document response decisions, activities, and costs? (49 CFR 194.107(c)(3)) **Yes, the operator describes procedures the response management organization must use to document response decisions, activities, and costs in the Facility Response Plan in Section 5.1 on page 2.**

Page Reference: **Section 5.1 Documentation Procedures**

Comment:

Recommendation:

12.2 Does the Facility Response Plan provide the calculations and methodology used for determining the worst-case discharge for the response zone(s)? (49 CFR 194.105) **Yes, the Facility Response Plan provides the calculations and methodology used for determining the worst-case discharge for the response zone(s) in Section D.7 on pages 21 through 27.**

Page Reference: **Appendix D.7 Spill Volume Calculations**

Comment:

Recommendation:

12.3 Is the worst-case discharge volume calculated using the three specified methods in the Department of Transportation regulation? Are the calculations accurate and as prescribed? (49 CFR 194.105(b)) **Yes, the worst-case discharge volume is calculated using the three specified methods in the Department of Transportation regulation and the calculations are accurate and as prescribed. Refer to the Facility Response Plan in Section D.7 on pages 21 through 27.**

Page Reference: **Appendix D.7 Spill Volume Calculations**

Comment:

Recommendation:

Training: Program and Procedures
For Sequence Number: BPIL

13.1 Does the Facility Response Plan describe a training program that teaches response personnel about the Plan and their responsibilities under the Plan? (49 CFR 194.107(b)(1)(ii), (c)(1)(vii) and (c)(3), and 194.117): **Yes, the Facility Response Plan describes a training program that teaches response personnel about the Plan and their responsibilities under the Plan in Section A.2 on pages 10 through 14.**

Page Reference: **Appendix A.2 Training Program**

Comment:

Recommendation:

13.2 Does the Facility Response Plan describe a training program that teaches response personnel about matters including (49 CFR 194.117(a)(3)):

- Oil characteristics and hazards? : **Yes, the Facility Response Plan describes a training program that teaches response personnel about matters including oil characteristics and hazards in Figure A.2-2 on pages 11 through 13.**

- Conditions that are likely to worsen emergencies, including the consequences of facility malfunctions or failures and appropriate corrective actions? : **Yes, the Facility Response Plan describes a training program that teaches response personnel about matters including conditions that are likely to worsen emergencies, including the consequences of facility malfunctions or failures and appropriate corrective actions in Figure A.2-2 on pages 11 through 13.**

- Steps necessary to control an accidental discharge of oil? : **Yes, the Facility Response Plan describes a training program that teaches response personnel about matters including steps necessary to control an accidental discharge of oil in Figure A.2-2 on pages 11 through 13.**

- Steps necessary to minimize the potential for fire, explosion, or environmental damage? : **Yes, the Facility Response Plan describes a training program that teaches response personnel about matters including steps necessary to minimize the potential for fire, explosion, or environmental damage in Figure A.2-2 on pages 11 through 13.**

- Proper fire-fighting procedures and use of personal protective equipment? : **Yes, the Facility Response Plan describes a training program that teaches response personnel about matters including proper fire-fighting procedures and use of personal protective equipment in Figure A.2-2 on pages 11 through 13.**

Page Reference: **FIGURE A.2-2 PREP Training Program Matrix**

Comment:

Recommendation:

13.3 Does the Facility Response Plan describe a response-training program that addresses the appropriate levels of training and the requirements in OSHA 29 CFR 1910.120? (49 CFR 194.107(b)(1)(ii) and 194.117(c)) **Yes, the Facility Response Plan describes a response-training program that addresses the appropriate levels of training and the requirements in OSHA 29 CFR 1910.120 in Figure A.2-1 on page 10.**

Page Reference: **Figure A.2-1 - Training Requirements**

Comment:

Recommendation:

13.4 Does the Facility Response Plan describe the operator's procedures for maintaining records for response personnel? (49 CFR 194.117(b)) **Yes, the Facility Response Plan describes the operator's procedures for maintaining records for response personnel in Figure A.1-2 on page 4 and in Figure A.2-1 on page 10.**

Page Reference: **Figure A.1-2 Exercise Requirements** and **Figure A.2-1 Training Requirements**

Comment:

Recommendation:

Spill Response Drill Program

For Sequence Number: BPIL

14.1 Does the Facility Response Plan describe procedures for conducting internal and external drills that include (49 CFR 194.107(c)(1)(ix)):

- Responsibility for planning, carrying out, and monitoring drills? : **Yes, the Facility Response Plan describes procedures for conducting internal and external drills that include responsibility for planning, carrying out, and monitoring drills in Section A.1 on page 2.**

- Announced drills? : **Yes, the Facility Response Plan describes procedures for conducting internal and external drills that include announced drills in Figure A.1-2 on page 4.**

- At least one unannounced internal drill? : **Yes, the Facility Response Plan describes procedures for conducting internal and external drills that include at least one unannounced internal drill in Figure A.1-2 on page 4.**

- Quarterly Qualified Individual notifications drills? : **Yes, the Facility Response Plan describes procedures for conducting internal and external drills that include quarterly Qualified Individual notifications drills in Figure A.1-2 on page 4.**

- Annual spill management team tabletop drills? : **Yes, the Facility Response Plan describes procedures for conducting internal and external drills that include annual spill management team tabletop drills in Figure A.1-2 on page 4.**

- Annual Oil Spill Removal Organization(s) equipment deployment drills of representative types and amounts of key equipment in the Facility Response Plan? : **Yes, the Facility Response Plan describes procedures for conducting internal and external drills that include annual Oil Spill Removal Organization(s) equipment deployment drills of representative types and amounts of key equipment in the Facility Response Plan in Figure A.1-2 on page 4.**

- At least one drill that tests the entire response plan for each response zone at least once every three years? : **Yes, the Facility Response Plan describes procedures for conducting internal and external drills that include at least one drill that tests the entire response plan for each response zone at least once every three years in Figure A.1-2 on page 4.**

Page Reference: **Appendix A.1 Exercise Requirements and Schedules** and **Figure A.1-2 Exercise Requirements**

Comment:

Recommendation:

14.2 Does the Facility Response Plan describe a three-year drill and exercise cycle and the frequencies for each type of drill in that cycle? (49 CFR 194.107(c)(1)(ix)) **Yes, the Facility Response Plan describes a three-year drill and exercise cycle and the frequencies for each type of drill in that cycle in Section A.1 on page 2 and in Figure A.1-2 on page 4.**

Page Reference: **Appendix A.1 Exercise Requirements and Schedules** and **Figure A.1-2 Exercise Requirements**

Comment:

Recommendation:

14.3 Does the Facility Response Plan describe procedures for maintaining drill documentation for three years? (49 CFR 194.107(c)(1)(ix)) **Yes, the Facility Response Plan describes procedures for maintaining drill documentation for three years in Figure A.1-2 on page 4.**

Page Reference: **Figure A.1-2 Exercise Requirements**

Comment:

Recommendation:

Response Plan Maintenance
For Sequence Number: BPIL

15.1 Does the Facility Response Plan describe the requirements and procedures for the operator to (a) review the Facility Response Plans at least once every five years from the date the Office of Pipeline Safety approves the plan, (b) modify the Facility Response Plan to address new or different operating conditions or information in the Facility Response Plan, and (c) submit the plan for the Office of Pipeline Safety to review, require changes, and approve? (49 CFR 194.107(c)(1)(x) and 194.121(a)) **Yes, the Facility Response Plan describes the requirements and procedures for the operator to (a) review the Facility Response Plans at least once every five years from the date the Office of Pipeline Safety approves the plan, (b) modify the Facility Response Plan to address new or different operating conditions or information in the Facility Response Plan, and (c) submit the plan for the Office of Pipeline Safety to review, require changes, and approve in Section 1.2 on page 11.**

Page Reference: **Section 1.2 Plan Review and Update Procedure**

Comment:

Recommendation:

15.2 Does the Facility Response Plan identify key factors that may cause revisions to the response plan and require the operator to submit revisions to the Office of Pipeline Safety within 30 days of making the revisions for factors including: (49 CFR 194.121(b)):

- New pipeline construction or purchase? : **Yes, the Facility Response Plan identifies key factors that may cause revisions to the response plan and requires the operator to submit revisions to the Office of Pipeline Safety within 30 days of making the revisions for factors including new pipeline construction or purchase in Section 1.2 on page 11.**

- Different worst-case discharge volume? : **Yes, the Facility Response Plan identifies key factors that may cause revisions to the response plan and requires the operator to submit revisions to the Office of Pipeline Safety within 30 days of making the revisions for factors including different worst-case discharge volume in Section 1.2 on page 11.**

- Change in commodities transported? : **Yes, the Facility Response Plan identifies key factors that may cause revisions to the response plan and requires the operator to submit revisions to the Office of Pipeline Safety within 30 days of making the revisions for factors including change in commodities transported in Section 1.2 on page 11.**

- Change in Oil Spill Removal Organization(s)? : **Yes, the Facility Response Plan identifies key factors that may cause revisions to the response plan and requires the operator to submit revisions to the Office of Pipeline Safety**

within 30 days of making the revisions for factors including change in Oil Spill Removal Organization(s) in Section 1.2 on page 11.

- Change in Qualified Individual(s)? : **Yes, the Facility Response Plan identifies key factors that may cause revisions to the response plan and requires the operator to submit revisions to the Office of Pipeline Safety within 30 days of making the revisions for factors including change in Qualified Individual(s) in Section 1.2 on page 11.**

- Change in a National Contingency Plan or Area Contingency Plan that has a significant impact on the appropriateness of response equipment or response strategies? : **Yes, the Facility Response Plan identifies key factors that may cause revisions to the response plan and requires the operator to submit revisions to the Office of Pipeline Safety within 30 days of making the revisions for factors including change in a National Contingency Plan or Area Contingency Plan that has a significant impact on the appropriateness of response equipment or response strategies in Section 1.2 on page 11.**

- Change in response procedures? : **Yes, the Facility Response Plan identifies key factors that may cause revisions to the response plan and requires the operator to submit revisions to the Office of Pipeline Safety within 30 days of making the revisions for factors including change in response procedures in Section 1.2 on page 11.**

Page Reference: **Section 1.2 Plan Review and Update Procedure**

Comment:

Recommendation:

15.3 Does the Facility Response Plan describe procedures for incorporating improvements in the following? (49 CFR 194.121(b)(8))

- Post-drill evaluation results? : **Yes, the Facility Response Plan describes procedures for incorporating improvements in post-drill evaluation results in Figure A.1-2 on page 4.**

- Post-incident evaluation results? : **Yes, the Facility Response Plan describes procedures for incorporating improvements in post-incident evaluation results in Section 8.3 on pages 4 through 7.**

Page Reference: **Figure A.1-2 Exercise Requirements** and **Section 8.3 Post-Incident Review**

Comment:

Recommendation:

National Contingency Plan and Area Contingency Plan Consistency and Concept of Operations For Sequence Number: BPIL

16.1 Is the Plan consistent with the National Contingency Plan in effect at the time of submission? (49 CFR 194.107(b)(1)) Please answer yes or no. **Yes, the Plan is consistent with the National Contingency Plan in effect at the time of submission.**

Page Reference: **Entire Plan**

Comment:

Recommendation:

16.2 Is the Plan consistent with the Area Contingency Plans in effect for each response zone at the time of submission? (49 CFR 194.107(b)(2)) Please answer yes or no. **Yes, the Plan is consistent with the Area Contingency Plans in effect for each response zone at the time of submission.**

Page Reference: **Entire Plan**

Comment:

Recommendation:

16.3 Is the Plan's concept of operations adequate to carry out a response to the worst-case discharge under 49 CFR 194? (49 CFR 194.107) Please answer yes or no. **Yes, the Plan's concept of operations is adequate to carry out a response to the worst-case discharge under 49 CFR 194.**

Page Reference: **Entire Plan**

Comment:

Recommendation:

Greg Desmond

From: melanie.barber@dot.gov
Sent: Wednesday, July 01, 2009 11:03 AM
To: Greg Desmond
Subject: RE: BP Wood River Terminal Facility Response Plan, Sequence Number BPIL

Dear Mr. Desmond:

I have reviewed and approved the Facility Response Plan that BP submitted for the Wood River Terminal Terminal, Sequence Number BPIL.

Sincerely,

Melanie M. C. Barber
Environmental Planning Officer
United States Department of Transportation
Office of Pipeline Safety
Room E22-210
1200 New Jersey Avenue, S.E.
Washington, D.C. 20590
Office: 202-366-4560

From: Greg Desmond [mailto:gdesmond@trpcorp.com]
Sent: Wednesday, July 01, 2009 10:52 AM
To: Barber, Melanie (PHMSA)
Subject: RE: BP Wood River Terminal Facility Response Plan, Sequence Number BPIL

Ms. Barber,

Attached is the completed Questionnaire for BP Wood River Facility Response Plan Sequence Number BPIL, as requested.

Thank you,

Greg

From: melanie.barber@dot.gov [mailto:melanie.barber@dot.gov]
Sent: Tuesday, June 30, 2009 4:56 PM
To: Greg Desmond
Subject: BP Wood River Terminal Facility Response Plan, Sequence Number BPIL

The United States Department of Transportation Office of Pipeline Safety has received two electronic copies of the Facility Response Plan that BP submitted for the Wood River, Illinois Terminal. Please complete the attached Facility Response Plan Questionnaire for the Facility Response Plan that BP submitted for the Wood River, Illinois Terminal and return it to me by electronic mail by September 30, 2009. I have assigned the Sequence Number BPIL to the Facility Response Plan.

Sincerely,

Melanie M. C. Barber
Environmental Planning Officer
United States Department of Transportation
Office of Pipeline Safety
Room E22-210
1200 New Jersey Avenue, S.E.
Washington, D.C. 20590
Office: 202-366-4560

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

JUL 14 2010

REPLY TO THE ATTENTION OF:

SE-5J

BP Products North America, LP
Wood River Terminal
1000 BP Lane
Hartford, Illinois 62048

Re: Five (5) Year Facility Response Plan Review FRP0500156 and Request for Information Pursuant to Sections 308 and 311 of the Clean Water Act, 33 U.S.C. §§ 1318 and 1321

Dear Sir or Madam:

The United States Environmental Protection Agency ("U.S. EPA") has conducted a five (5) year review of your latest Facility Response Plan ("FRP") and is enclosing its deficiency findings. The review was conducted to evaluate the adequacy of your FRP for spill response preparedness and implementation pursuant to Section 311(j)(5) of the Clean Water Act, 33 U.S.C. Section 1321 (j)(5), and U.S. EPA's Response Requirement Regulations (FRP Regulations) at 40 C.F.R. Sections 112.20 and 112.21. Based on our five year review, U.S. EPA has determined that your FRP contains deficiencies. Therefore, you must amend your FRP to meet the requirements of the FRP regulations and submit the revised FRP within thirty (30) calendar days of the date of your receipt of this letter. In addition, U.S. EPA has determined that there is information that we need from you in order to assess your facility's compliance with the FRP Regulations.

U.S. EPA's findings of deficiencies in your FRP are specifically identified in the enclosed standardized checklist that we use to conduct reviews of FRPs. You must correct each of the deficiencies identified and submit your facility's revised FRP to U.S. EPA. If you submit a complete revised FRP in response to this letter, please include a cross reference for any changes to the plan that address the specific deficiencies noted on the checklist. If your response to these findings will be provided as separate updated pages to be inserted into the latest plan submission, please put your response in a format suitable for immediate incorporation into your facility's FRP, and indicate which pages are to be replaced.

Also, pursuant to the authority of Sections 308(a) and 311(m) of the Clean Water Act ("the Act"), 33 U.S.C. §§ 1318(a) and 1321(m), U.S. EPA is requiring you to submit the following information and FRP records regarding your facility within thirty (30) calendar days of the date of your receipt of this letter:

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Recycled Paper (50% Postconsumer)

1. Quarterly Qualified Individual Notification Drill Logs;
2. Annual Spill Management Team Tabletop Drill Logs;
3. Semi-annual Equipment Deployment exercise records;
4. Personnel Response Training Logs;
5. Discharge Prevention Meeting Logs;
6. Tank Inspection Logs;
7. Records regarding completed secondary containment inspections;
8. Response Equipment Testing and Deployment Drill Logs;
9. Response Equipment Checklists and
10. Response Equipment Inspection Logs.

This Information Request is for your facility's completed logs, records and inspection checklists identified in the preceding paragraph for the period of time from July 1, 2007 to July 1, 2010. All terms used in this information request have the meaning set forth in Section 311 of the CWA, or in Section 502 of the Clean Water Act (if not defined in Section 311), or in EPA's implementing regulations at 40 CFR Part 112. This request for Information is not subject to the approval requirements of the Paperwork Reduction Act of 1995, 44 U.S.C. § 3501 *et seq.*

Compliance with this Information Request is mandatory. Failure to respond fully and truthfully to each item in this Information Request within the thirty (30) day time period is a violation of Section 308 of the Clean Water Act and can result in civil or criminal enforcement action pursuant to Section 309 of the Clean Water Act, 33 U.S.C. § 1319, which, along with the Debt Collection Improvement Act of 1996 and implemented by the regulations at 40 C.F.R. Part 19, "Adjustment of Civil Penalties for Inflation," authorizes the United States to seek penalties of up to $37,500 in civil penalties for each day that each violation continues. Non-compliance with this Information Request includes failure to respond to this Information Request as well as failure to respond completely and truthfully to each request. Knowingly providing false information, in response to this request, may be actionable under 18 U.S.C. §§ 1001 *et seq.*

Please give this matter your immediate attention. Section 311 of the CWA gives us several enforcement options to resolve the deficiencies identified in the enclosed checklist and to address a facility's failure to have an approved FRP. If you do not correct the identified deficiencies, U.S. EPA may revoke your FRP's approval. Please be advised that we may use any information you submit in support of an administrative, civil, or criminal action.

Please submit your response to this Information Request and the revised FRP or revised pages to your FRP to:

Alexander C. Tzallas, FRP Coordinator
Emergency Response Section 2 (SE-5J)
U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, Illinois 60604

Please ensure that your facility's FRP number is on the first page of the revisions and/or your response to be sent with the revisions.

U.S. EPA regulations concerning confidentiality and treatment of business information are contained in 40 C.F.R. Part 2, Subpart B. Although the information requested must be submitted to U.S. EPA, you are entitled to assert a business confidentiality claim pursuant to the regulations set forth in 40 C.F.R. § 2.203 covering part or all of the information by clearly identifying it as "confidential" using a cover sheet, stamped or typed legend, or other suitable form of notice employing language such as trade secret, proprietary, or company confidential. You should clearly mark as "confidential" any parts of otherwise non-confidential documents and may submit them separately to help U.S. EPA handle and identify them. Unless a confidentiality claim accompanies the information when it is received by the U.S. EPA, we may make the information available to the public without further notice to you.

If you have any specific questions regarding deficiencies on the enclosed checklist or technical questions, please contact Alex Tzallas, FRP Coordinator, at (312) 886-0622. Please direct any legal questions to Randa Bishlawi, Associate Regional Counsel at (312) 886-0510.

Thank you for your cooperation in this matter.

Sincerely yours,

Jason El-Zein, Chief
Emergency Response Branch 1
Superfund Division

Enclosures - Regulatory Checklist

cc: A. Tzallas – U.S. EPA, Region 5 FRP Coordinator
Ron Bozarth, EP&CM Advisor – BP Products North America LP, Warrenville, IL

FRP CHECKLIST

CHECKLIST FOR VERIFYING COMPLIANCE WITH FACILITY RESPONSE PLAN REQUIREMENTS

FRP# - FRP0500156

Facility Name: BP - Wood River

Facility Address: 1000 BP Lane, Hartford, IL 62048

Telephone Number: 618-254-7630 / 618-254-0695

Mailing Address (if different from Facility Address): Same

Facility Owner: BP Products North America, Inc

Owner Address: 28100 Torch Parkway, Warrenville, IL 60555

Telephone Number: 630-836-6230 This number is disconnected, please provide a correct telephone number

(b) (7)(F)



Distance from Facility: 1/2 - 1 mile

Facility Overview: The BP Wood River Terminal is a 600 acre tract. The facility sold its barge loading/unloading area in 1996 and is now a non-transportation related oil storage facility. The terminal serves as a petroluem product supply source for peripheral service stations, commercial and industrial sales customers, and jobber bulk plants. Petroleum products are received by the Terminal via a third party pipeline and a propietary pipeline. In addition, additives are also stored and handled by the Terminal.

FRP Applicability: The facility stores over 1 million gallons and the facility is located at a distance such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments and is would shut down a drinking water intake.

Note: Section numbers indicated below correspond to sections in the model response plan in Appendix F of the Facility Response Plan (FRP) rule. **Please note N/A = Not Applicable**	**ADEQUATELY ADDRESSED**

Facility Name: BP - Wood River			
REVIEW ITEMS:	YES	NO	N/A
Response Plan Cover Sheet (sec. 2.0) Figure E-4 in FRP			
• **General Information (sec 2.0)**	x		
• Facility Name	x		
• Facility Address	x		
• Facility Telephone	x		
• Mailing Address (if different from Facility Address)	x		
• Facility Owner & Address **(recommended)**		x	
• Facility Owner Telephone **(recommended)**		x	
• Dun & Bradstreet Number	x		
• Longitude (degrees, minutes, seconds)	x		
• Latitude (degree, minutes, seconds)	x		
• North American Industrial Classification System (NAICS)	x		
• Facility Start Up Date **(recommended)**		x	
• Facility Acres **(recommended)**		x	
• Name of Protected Waterway or Environmentally Sensitive Area		x	
• Distance to Navigable Water	x		
• Worst Case Discharge Amount (gallons) -Listed in barrels		x	
• Maximum Oil Storage Capacity (gallons)	x		
• Largest AST Capacity (gallons)	x		
• Total Number of ASTs	x		
• Total Number of USTs		x	
• Total UST Storage		x	
• Total Storage of Drums & Transformers that contain Oil		x	
• Number of Surface Impoundments and Total Storage of Surface Impoundments		x	
• **Applicability of Substantial Harm Criteria (sec.2.2)**	x		
• **Certification (sec. 2.3)**	x		
Comments: Please provide the missing information. Also, worst case discharge listed in Response Plan Cover Sheet (10,233,636 gallons) does not match the worst case discharge in Figure 1-2, Page 5 (107,439.00). Reviewer does not understand what the calculation provided in Figure 1-2, Page 5 refers to because it does not include units. Please clarify.			
Emergency Response Action Plan (ERAP) (sec. 1.1)	YES	NO	N/A
• Separate Section of FRP	x		

Facility Name: BP - Wood River			
• Qualified Individual (QI) Information (sec. 1.2)		X	
• Emergency Notification List (sec. 1.3.1)		X	
• Spill Response Notification Form (sec. 1.3.1)		X	
• Response Equipment List and Location (sec. 1.3.2)		X	
• Response Equipment Testing and Deployment (sec. 1.3.4)		X	
• Facility Response Team List (sec. 1.3.4)		X	
• Evacuation Plan (sec. 1.3.5)		X	
• Immediate Actions (sec. 1.7.1)		X	
• Facility Diagrams (sec. 1.9)		X	

Comments: The ERAP is in a separate section, however the ERAP and the cross reference refers to other sections of the plan. The ERAP is a stand alone document and all the information must be provided in this section. Also, please see the respective sections of this checklist for the deficiencies in the plan as well as the ERAP. Facility must ensure that changes that are made to the FRP are also made to the sections of the ERAP where applicable.

Facility Information (sec. 1.2)	YES	NO	N/A
• Facility name (sec. 1.2.1)	X		
• Street address	X		
• City, state, zip code	X		
• County	X		
• Phone number	X		
• Latitude/longitude (sec. 1.2.2)	X		
• Wellhead protection area (sec. 1.2.3)	X		
• Owner/operator (both names included, if different) (sec. 1.2.4)	X		
• QI Information (sec. 1.2.5)	X		
(Name, position, street address, phone numbers)	X		
- Description of specific response training experience		X	
• Oil storage start-up date (sec. 1.2.6)		X	
• Facility operations description (sec. 1.2.7)	X		
• North American Industrial Classification System (NAICS) or Standard Industrial Classification code (SIC)	X		
• Dates and types of substantial expansion (sec. 1.2.8)	X		

Facility Name: BP - Wood River	

Comments: Please provide the missing information. The QI's specific response training was not found in Appendix A, only a blank form was located in Appendix A Figure A.2.3. Also, only Vernon St Peters is located within 30 minutes of the facility. The other QIs listed (Joe Estep and Mike Cunningham) have a 4 and 5 hour response time. The QI needs to be able to respond to the facility immediately to begin clean up operations. Who would the alternate QI be if Vernon St Peters is unavailable? The oil storage start-up date is not provided in this section. Section 1-2, Page 5 provides a Worst Case Discharge calculation but this is a different number than what is provided in the Response Plan Cover Sheet and there are no units provided. Please clarify this in the plan.

Emergency Response Information (sec. 1.3)	YES	NO	N/A
Notification (sec. 1.3.1)	x		
• **Emergency Notification Phone List**	x		
- National Response Center phone number	x		
- QI (day and evening) phone numbers	x		
- Company response team (day and evening) phone numbers	x		
- Federal On-Scene Coordinator (OSC) and/or Regional response center (day and evening) phone numbers		x	
- Local response team phone numbers (Fire Department/Cooperatives)	x		
- Fire marshal (day and evening) phone numbers	x		
- State emergency Response Phone number(s)	x		
- State Police phone number	x		
- SERC and LEPC phone number	x		
- Wastewater treatment facility(s) name and phone number (**recommended**)	x		
- Local water supply system (day and evening) phone numbers		x	
- Weather report phone number	x		
- Local TV/radio phone number(s) for evacuation notification	x		
- Spill Response contractor(s)	x		
- Factories/Utilities with water intakes (**recommended**)	x		
- Trustees of sensitive areas (**recommended**)	x		
- Hospital phone number	x		
• **Spill Response Notification Form** - (Reporter's Name, Position, Phone Number, Company Information, Were Materials Discharged, Meeting Federal Obligations to report, Calling for Responsible Party, Time Called, Incident Description (source/cause), Date/Time of Incident, Incident Address/Location, Nearest City/State/County/Zip, Distance from City/Units of Measure/Direction from City, Section, Township, Range, Borough, Container Type/Tank Oil Storage Capacity/		x	

Facility Name: BP - Wood River			
Units of Measure, Facility Oil Storage Capacity/Units of Measure, Facility Longitude and Latitude)			

Comments: Please provide the missing information. The only required Federal On-Scene Coordinator telephone number is 312-353-2318. Provide 24 hour contact numbers for the water intakes listed in "Neighboring Facilities" section. These numbers can be found in the Spill Response Strategies CD that is provided by U. S. EPA Region 5. Contact Sheila Calovich at 312-353-1505 for a copy of the CD. The Spill Response Notification Form has a California address for the Company Address; please remove this reference and provide a new form.

Response Equipment List (Identify if Facility, OSRO, CO-OP owned by letters O, F, or C) (sec. 1.3.2)	YES	NO	N/A
• **Skimmers/Pumps** (Operational Status, Type/Model/Year, Number or Quantity, Capacity, Daily effective Recovery Rate, Storage Location)		x	
• Boom (Containment Boom: Operational Status, Year, Number, Skirt Size. Sorbent Boom: Operational Status, Type/Model/Year, Number, Size (Length))		x	
• **Chemical Countermeasures Agents Stored**		x	
• **Sorbents** (Type, Year Purchased, Amount, Storage Location)		x	
• **Hand Tools** (Type, Quantity, Storage Location)		x	
• **Communication Equipment** (Operational Status, Type, Operational Frequency, Quantity)		x	
• **Fire Fighting and Personnel Protective Equipment**		x	
• **Boats and Motors** (Operational Status, Type, and Year, Quantity, Storage Location)		x	
• **Other (e.g., Heavy Equipment, Cranes, Dozers etc.,)** (Operational Status, Type, and Year, Quantity, Storage Location)		x	
• Equipment Location		x	
• Amount of oil that emergency response equipment can handle and limitations (e.g., launching sites) must be described.		X	

Comments: The OSRO's equipment list is provided in Appendix B but this is not noted in Section 7.1.1 or in the cross reference. Amend to facilitate review of the FRP. Section 7.1.1 Response Equipment is a blank form. If your facility does not have certain response equipment please provide a statement whether on not the facility has/stores the equipment marked as NO. If the facility has any response equipment, it should be stated on the form.

Response Equipment Testing and Deployment Drill Log (sec. 1.3.3)	YES	NO	N/A
• Date of Last Inspection or Equipment Test		x	
• Inspection Frequency	x		
• Date of Last Deployment	x		

Facility Name: BP - Wood River			
• Deployment Frequency	X		
• OSRO Certification **(Note: Facilities without facility owned response equipment must ensure that the Oil Spill Removal Organization that is identified in the response plan to provide this response equipment certifies that the deployment exercises have been met).**		X	

Comments: A blank form is provided in Figure A.1-4. Where at the facility would completed forms be kept if an inspection were to occur at the facility? This needs to be provided on the form.The OSRO Certification is located in Appendix B, however the plan does not provide a statement as to where is it located. Please amend your plan and cross reference. Heritage is a USCG certified OSRO. Provide the USCG certification in this section, not just the USCG Classification. Also, provide an update contract with Heritage and Jarrett Industries. Also, provide a completed Response Equipment Testing and Deployment Drill Log.

Personnel (sec. 1.3.4)	YES	NO	N/A
• **Emergency Response Personnel Information** (Personnel whose duties involve responding to emergencies, including oil discharges, even when they are not present at the site)	X		
- Name	X		
- Phone numbers (work/home, other)	X		
- Response time		X	
- Responsibility		X	
- Type and date of response training		X	
• **Emergency Response Contractor Information**	X		
- Names	X		
- Phone numbers	X		
- Response time	X		
- Evidence of contractual arrangements		X	
• **Facility Response Team Information (Composed of Emergency Response Personnel and Emergency Response that will respond immediately)**	X		
- Name	X		
- Job function of emergency response personnel	X		
- Response time	X		
- Phone/pager	X		
- **Name of emergency response contractor** (Contractors providing facility response team services may be different that contractors providing oil spill response services)	X		
- Response time	X		

Facility Name: BP - Wood River			
- Phone/pager	X		

Comments: Please address the missing information. The Emergency Response Personnel Information does not address the type and date of response training for all the people listed. Please amend your plan. Response times are not provided for all individuals or contractors. The OSRO contract with Heritage is dated 2006. The contract with Jarrett is dated 2008. Provide a current OSRO contracts.

Evacuation Plans (sec. 1.3.5)	YES	NO	N/A
• **Facility Evacuation Plan (sec. 1.3.5.1)**	X		
- Location of stored materials	X		
- Hazard imposed by spilled materials	X		
- Spill flow direction	X		
- Prevailing wind directions and speed	X		
- Water currents, tides, or wave conditions (if applicable)	X		
- Arrival route of emergency response personnel and response equipment	X		
- Evacuation routes	X		
- Alternative routes of evacuation		X	
- Transportation of injured personnel to nearest emergency medical facility	X		
- Location of alarm/notification systems	X		
- Centralized check-in area for roll call	X		
- Mitigation command center location	X		
- Location of shelter at facility	X		
• **Community Evacuation Plans referenced (sec. 1.3.5.3)**		X	

Comments: Please provide the required information that is not addressed. Currently community evacuation plans only reference state that community evacuations are the responsibility of local police, sheriff or state police. BP needs to determine if there are specific plans outlined in the LEPC plan or with the local agencies that would handle evacuation. Secondary muster points are only identified on Figure C-3. Alternative evacuation routes are not provided.

Description of Qualified Individual's Duties (sec. 1.3.6)	YES	NO	N/A
• Activate internal alarms and hazard communication systems		X	
• Notify Response Personnel		X	
• Identify character, exact source, amount, and extent of the release		X	
• Notify and provide information to appropriate Federal, State and local authorities		X	
• Assess interaction of spilled substance with water and/or other substances stored at facility and notify on-scene response personnel of assessment		X	
• Assess possible hazards to human health and the environment		X	

Facility Name: BP - Wood River			
• Assess and implement prompt removal actions		x	
• Coordinate rescue and response actions		x	
• Access company funding to initiate cleanup activities		x	
• Direct cleanup activities		x	

Comments: Please address the QI Duties. The list of specific QI duties that need to be addressed can be found in 40 CFR 112.20 (h)(3)(ix). Include these specific duties in section 4.5 of the FRP.

Hazard Evaluation (sec. 1.4) *(See Section II, Appendix A)*	YES	NO	N/A
Hazard Identification (sec. 1.4.1)	x		
• **Tank Above Ground and Below Ground**		x	
Tanks (List Tanks by Number, Product and Shell Capacity in the space below)	x		
- Tank Number(s)	x		
- Substance(s) Stored	x		
- Quantity(s) Stored	x		
- Tank Type(s)/Year(s) of construction	x		
- Shell Capacity(s)	x		
- Failure(s)/Cause(s)	x		
Surface Impoundments (SI)			x
- SI Number(s)			x
- Substance(s) Stored			x
- Quantity(s) Stored			x
- Surface Area(s)/Year(s) of construction			x
- Maximum Capacity(s)			x
- Failure(s)/Cause(s)			x
• Labeled schematic drawing	x		
• Description of transfers (loading and unloading) and volume of material	x		
• Description of daily operations	x		
• Secondary containment volume(s)	x		
• Normal daily throughput of the facility	x		

Comments: There are no underground storage tanks or surface impoundments at this facility. Adding the total capacities on Figure C-1 provides a total oil storage capacity of 103,566,538 gallons which is different that the volume provided in the Response Plan Cover Sheet.

Vulnerability Analysis (sec. 1.4.2) (See Appendix A - Calculation of the Planning Distance)	YES	NO	N/A

Facility Name: BP - Wood River			
• Analysis of potential effects of an oil spill on vulnerable areas. **(Attachment C-III to Appendix C to this part provides a method that owners or operators shall use to determine appropriate distances from the facility to fish and wildlife and sensitive environments. Owners or operators can use a comparable formula that is considered acceptable by the RA. If a comparable formula is used, documentation of the reliability and analytical soundness of the formula must be attached to the Response Plan Cover Sheet).**		x	
- Water intakes (drinking, cooling or other)	x		
- Schools	x		
- Medical facilities	x		
- Residential areas	x		
- Businesses	x		
- Wetlands or other sensitive environments		x	
- Fish and wildlife		x	
- Lakes and streams	x		
- Endangered flora and fauna		x	
- Recreational areas	x		
- Transportation routes (air, land, and water)	x		
- Utilities		x	
- Other applicable areas (List below)	x		

Comments: What is the calculated planning distance for the facility? It is not provided in Section 6.7. Please show the calculations for the planning distance in this section-they are located in Figure D.4-1. Does the vulnerability analysis done by the facility go 28 miles downstream on the Mississippi? USEPA has Inland Sensitivity Atlases that should be used to ensure that all sensitive areas are identified within the 28 miles. A map of the River showing how far 28 miles downstream needs to be provided in the FRP. Plan states that there is 1 wildlife refuge between facility and MM 183. Provide the name of the refuge and the resource trustee that would be notified in the event of a spill. FRP states that no utilities would be impacted by a spill but there are several drinking water intakes that are located downtstream of the facility. Wastewater treatment facilities are also considered utilities. Also, are there natural gas pipelines that cross the river that could be impacted?

Analysis of the Potential for an Oil Spill (sec. 1.4.3)	YES	NO	N/A
• Description of likelihood of release occurring		x	
- Oil spill history for the life of the facility		x	
- Horizontal range of potential spill		x	
- Vulnerability to natural disaster		x	
- Tank age	x		

Facility Name: BP - Wood River			
- Other factors (e.g., unstable soils, earthquake zones, Karst topography, etc.)		x	

Comments: Section D-4.1 discussed tidally influenced waters. Please remove this as it is not applicable to the inland zone. Plan also states that natural disasters are not likely at these facilities. The Wood River Terminal is located near the Mississippi River which floods frequently. Flooding information can be found by contacting the US Army Corps of Engineers.

Facility Reportable Oil Spill History Description (sec. 1.4.4)	YES	NO	N/A
• Date of discharge(s)	x		
• List of discharge causes	x		
• Material(s) discharged	x		
• Amount of discharges in gallons	x		
• Amount that reached navigable waters (if applicable)	x		
• Effectiveness and capacity of secondary containment	x		
• Clean-up actions taken	x		
• Steps taken to reduce possibility of reoccurrence	x		
• Total oil storage capacity of tank(s) or impoundment(s) from which material discharged	x		
• Enforcement actions	x		
• Effectiveness of monitoring equipment	x		
• Spill detection	x		

Comments: 2 spills are included in the spill history.

Discharge Scenarios (sec. 1.5)	YES	NO	N/A
Small Discharges (sec. 1.5.1) (Description of small discharges addressing facility operations and components including but not limited to: (see. 1.5.1.1)		x	
• Loading and unloading operations		x	
• Facility Maintenance Operation		x	
• Facility Piping		x	
• Pumping stations and sumps		x	
• Oil storage location		x	
• Vehicle refueling operations		x	
• Age and condition of facility components		x	
• Small volume discharge calculation for a facility		x	
• Facility-specific spill potential analysis		x	

Facility Name: BP - Wood River			
• Average most probable discharge for complexes		x	
• 1,000 feet of boom (1 hour deployment time)		x	
• Correct amount of boom for complexes		x	
• Oil recovery devices equal to small discharge (2 hour recovery time)		x	
• Oil storage capacity for recovered material		x	
Scenarios Affected by the Response Efforts (sec. 1.5.1.2)		x	
• Size of the discharge		x	
• Proximity to downgradient wells, waterways, and drinking water intakes		x	
• Proximity to fish and wildlife and sensitive environments		x	
• Likelihood that the discharge will travel offsite (i.e., topography, drainage)		x	
• Location of the material discharged (i.e., on a concrete pad or directly on the soil)		x	
• Material discharged		x	
• Weather or aquatic conditions (i.e., river flow)		x	
• Available remediation equipment		x	
• Probability of a chain reaction of failures		x	
• Direction of discharge pathway		x	
Medium Discharges (sec. 1.5.1) (Description of medium discharges scenarios addressing facility operations and components including but not limited to: (sec. 1.5.1.1)		x	
• Loading and unloading operations		x	
• Facility Maintenance Operation		x	
• Facility Piping		x	
• Pumping stations and sumps		x	
• Oil storage location		x	
• Vehicle refueling operations		x	
• Age and condition of facility components		x	
• Medium volume discharge calculation for a facility		x	
• Facility-specific spill potential analysis		x	
• Maximum most probably discharge for complexes		x	
• Oil recovery devices equal to medium discharge		x	
• Availability of sufficient quantity of boom		x	
• Oil storage capacity for recovered material		x	
Scenarios Affected by the Response Efforts (sec. 1.5.1.2)		x	
• Size of the discharge		x	

Facility Name: BP - Wood River			
• Proximity to downgradient wells, waterways, and drinking water intakes		x	
• Proximity to fish and wildlife and sensitive environments		x	
• Likelihood that the discharge will travel offsite (i.e., topography, drainage)		x	
• Location of the material discharged (i.e., on a concrete pad or directly on the soil)		x	
• Material discharged		x	
• Weather or aquatic conditions (i.e., river flow)		x	
• Available remediation equipment		x	
• Probability of a chain reaction of failures		x	
• Direction of discharge pathway		x	

Comments: The owner or operator must consider types of facility specific scenarios that may contribute to a discharge. The discharge scenarios in the BP FRP's for US EPA R5 are all similar with the same scenarios. Please tailor the scenarios to the facility location. These scenarios must address all of the items on the checklist. This includes describing sensitive species and environments that may be affected. Please don't just refer to other sections. Also, all of the discharge scenarios must include the spill leaving the facility property and reaching a waterway. Identify if the facility is a complex. Finally, these FRP's do not include the OSRO equipment list. The reviewers cannot determine whether or not the required equipment and time frames will be met.

Worst Case Discharge (sec. 1.5.2) See Appendix A) (When planning for the worst case discharge response all of the factors listed in the small and medium discharge section of the response plan shall be addressed)	YES	NO	N/A
• Facility Specific Worst Case Discharge Scenario		x	
Description of worst case discharges scenarios addressing facility operations and components including but not limited to: (sec. 1.5.1.1)		x	
• Loading and unloading operations		x	
• Facility Maintenance Operation		x	
• Facility Piping		x	
• Pumping stations and sumps		x	
• Oil storage location		x	
• Vehicle refueling operations		x	
• Age and condition of facility components		x	
• Correct Worst Case Discharge (WCD) calculation for specific type of facility (Appendix D)		x	
• Correct WCD calculation for complexes		x	
• Sufficient response resources for WCD **(Appendix E)**		x	

Facility Name: BP - Wood River			
• Sources and quantity of equipment for response to WCD		x	
• Oil storage capacity for recovered material		x	
Scenarios Affected by the Response Efforts (sec. 1.5.1.2)		x	
• Size of the discharge		x	
• Proximity to downgradient wells, waterways, and drinking water intakes		x	
• Proximity to fish and wildlife and sensitive environments		x	
• Likelihood that the discharge will travel offsite (i.e., topography, drainage)		x	
• Location of the material discharged (i.e., on a concrete pad or directly on the soil)		x	
• Material discharged		x	
• Weather or aquatic conditions (i.e., river flow)		x	
• Available remediation equipment		x	
• Probability of a chain reaction of failures		x	
• Direction of discharge pathway		x	

Comments: The owner or operator must consider types of facility specific scenarios that may contribute to a discharge. The discharge scenarios in the BP FRP's for US EPA R5 are all similar with the same scenarios. Please tailor the scenarios to the facility location. These scenarios must address all of the items on the checklist. This includes describing sensitive species and environments that may be affected. Please don't just refer to other sections. Also, all of the discharge scenarios must include the spill leaving the facility property and reaching a waterway. Identify if the facility is a complex. Finally, these FRP's do not include the OSRO equipment list. The reviewers cannot determine whether or not the required equipment and time frames will be met. Also, Spill Response Strategies have been developed for the Greater St Louis Sub Area which has representatives from USEPA, USCG, State Environmental Agencies and Natural Resource Trustees. These strategies should be incorporated into the Worst Case Discharge section of the FRP. It has also identified areas that need to be protected or natural collection points on the River.

Discharge Detection Systems (sec. 1.6)	YES	NO	N/A
Discharge Detection by Personnel (sec. 1.6.1)		x	
• Description of procedures and personnel for spill detection		x	
• Description of facility inspections	X		
• Description of initial response actions	X		
• Emergency Response Information (referenced)		x	

Comments: Please provide the required information.

Automated Discharge Detection (sec. 1.6.2) *(See Section II, 112.7(e)(5)(iii)(D), 112.7(e)(2)(viii), 112.7(e)(7)(v) and Appendix A)*	YES	NO	N/A

Facility Name: BP - Wood River			
• Description of automatic spill detection equipment, including overfill alarms and secondary containment sensors		X	
• Description of alarm verification procedures and subsequent actions		X	
Comments: Please provide the required information.			

Plan Implementation (sec. 1.7)	YES	NO	N/A
• Identification of response resources for small, medium, and worst case spills (sec. 1.7.1) **(The determination and demonstration of adequate response capability are present in Appendix E of the Regulation)**		X	
• Description of response actions		X	
- Emergency plans for spill response		X	
- Additional response training		X	
- Additional contracted help		X	
- Access to additional response equipment/experts		X	
- Ability to implement plan, including response training and practice drills		X	
• **Recommended form detailing Immediate Action for Small, Medium and Worst Case spills (sec. 1.7.1.2A) (Stop the Product flow, Warn Personnel, Shut off ignition sources, Initiate Containment, Notify NRC, Notify OSC, Notify (as appropriate))**	X		
Comments: BP has a contract with Jarrett Industries-provide an updated contract. Figure B.1-2 provides a list of emergency response contractors. Would these contractors procured to provide additional response equipment/experts? Provide the required information that is currently marked with a "No".			

Disposal Plan (sec. 1.7.2)	YES	NO	N/A
• Description of procedures for recovering, reusing, decontaminating or disposing of materials		X	
• Materials addressed in Disposal Plan **(Recovered product, contaminated soil, contaminated equipment and materials (including drums tank parts, valves and shovels), personnel protective equipment, decontamination solutions, absorbents, spent chemicals)**		X	
• Plan prepared in accordance with any Federal, State, and/or local regulations		X	
• Plan addresses permits required to transport or dispose of recovered materials		X	

Facility Name: BP - Wood River

Comments: Please provide the required information. Section 5.5 and 7.3 address the disposal plan that would need to be developed by the IMT during an incident. FRP regulations want the facility to determine in advance where waste materials could potentially be stored if a spill were to occur at the facility. That would include recovered oily water, oil contaminated soils, PPE, lab wastes, etc. Also, a list of potential disposal facilities for those materials also needs to be provided.

Containment and Drainage Planning (sec. 1.7.3) ***(See Section II, 112.7(e)(1), 112.7(e)(7) and Appendix A)***	YES	NO	N/A
• Description of containing/controlling a spill through drainage.		X	
- Containment volume		X	
- Drainage route from oil storage and transfer areas		X	
- Construction materials in drainage troughs		X	
- Type and number of valves and separators in drainage system		X	
- Sump pump capacities		X	
- Containment capacities of weirs and booms and their location		X	
- Other clean up materials		X	

Comments: The required information was not found in Appendix C or on the referenced Figure. Please provide the required information. Figuer C-9 is a brief list of the above topics which refers the reviewer to different sections of the FRP which is not considered a Containment and Drainage Plan. The facility needs to develop a complete drainage and containment plan that addresses all of the above items.

Self-Inspection, Training, and Meeting Logs (sec. 1.8)	YES	NO	N/A
Facility Self-Inspection (sec. 1.8.1)			
• Records of tank inspections with dates (Tank Leaks, Tank Foundations, Tank Piping) contained or cross-referenced in plan or maintained electronically for five years (See Section II, 112.7(e)(8))		X	
• Records of secondary containment inspections with dates (Dike or Berm System, Secondary Containment, Retention and drainage ponds) contained or cross-referenced in plan or maintained electronically for five years (See Section II, 112.7(e)(8))		X	
• Response Equipment Checklist	X		
• Response Equipment Checklist (sec. 1.8.1.2)	X		
- Inventory (item and quantity)	X		
- Storage location	X		
- Accessibility (time to access and respond)	X		
- Operational status/condition		X	
- Actual use/testing (last test date and frequency of testing)	X		
- Shelf life (present age, expected replacement date)	X		

Facility Name: BP - Wood River			
- Inspection date	X		
- Inspector's signature	X		
- Inspection Records maintained for 5 years		X	
- **Response Equipment Inspection Log (Inspector, Date, Comments)**		X	

Comments: Please provide the required information. Blank logs are provided in the FRP. Where are the completed checklists maintained at the facility? The Response Equipment Inspection checklist does not state if the records are maintained for 5 years.

Facility Drills/Exercises (sec. 1.8.2)	YES	NO	N/A
• Description of drill/exercise program based on PREP guidelines or other comparable program	X		
- QI notification drill		X	
- Spill management team tabletop exercise	X		
- Equipment deployment exercise	X		
- Unannounced exercise		X	
- Area exercise	X		
• Description of evaluation procedures for drill program		X	
• **Qualified Individual Notification Drill Log (sec. 1.8.2.1)** (Date, company, qualified individual, other contacted, emergency scenario, evaluation)		X	
• **Spill Management Team Tabletop Drill Log (sec. 1.8.2.2)** (Date, company, qualified individual, participants, emergency scenario, evaluation, changes to be implemented, time table for implementation)		X	

Comments: The QI Notification Drill does not mention that the QI will contact the NRC. Please amend your plan. The plan states that the facility will be exempt from Unannounced drills for three years. This is only true if the facility passes the Unannounced Drill. Please amend your plan. The QI Drill Log is missing "others contacted and emergency scenario". The Spill Management Drill Log is missing "qualified individual and participants". Please amend your Logs and submit completed copies of the Logs.

Response Training (sec. 1.8.3)	YES	NO	N/A
• Description of Response Training program (including topics)	X		
• Personnel Response Training Logs (Name, response training date/and number of hours, prevention training date/and number of hours)		X	
• Discharge Prevention Meeting Logs (Date, attendees)		X	

Facility Name: BP - Wood River

Comments: Please provide completed copies of the Personnel Response Training Logs and for the Discharge Prevention Meeting Logs. Where are completed copies of the logs kept at the facility?

Diagrams (sec. 1.9)	YES	NO	N/A
Site Plan Diagram		x	
- Entire facility to scale		x	
- Above and below-ground storage tanks		x	
- Contents and capacities of bulk oil storage tanks		x	
- Contents and capacities of drum storage areas		x	
- Contents and capacities of surface impoundments		x	
- Process buildings		x	
- Transfer areas		x	
- Location and capacity of secondary containment systems		x	
- Location of hazardous materials		x	
- Location of communications and emergency response equipment		x	
- Location of electrical equipment that might contain oil		x	
- If the Facility is a Complex Facility, the interface between EPA and other regulating agencies		x	

Comments: The Site Diagram, as submitted, is illegible. Please provide a legible Site Diagram that has the required information. The information can be provided in a legend. Tank information is also missing from the diagram which include the contents and capacities of bulk oil storage tanks and drum storage areas. This information needs to be included in the site plan diagram. If the facility does not have the listed item, this needs to be specifically stated in the legend to the diagram.

Site Drainage Plan Diagram	YES	NO	N/A
• Major sanitary and storm sewers, manholes, and drains		x	
• Weirs and shut-off valves		x	
• Surface water receiving streams		x	
• Fire fighting water sources		x	
• Other utilities		x	
• Response personnel ingress and egress		x	
• Response equipment transportation routes		x	
• Direction of spill flow from discharge points		x	

Comments: The Site Drainage Diagram, as submitted, is illegible. Please provide a legible Site Drainage Diagram. The information can be provided in a legend. In what direction is the surface water receiving stream? There are arrows that indicate where the material on site at the facility but where will it go once it leaves the facility? Does it flow in an intermittent stream or a drainage ditch before reaching the Mississippi River?

Facility Name: BP - Wood River			
Site Evacuation Plan Diagram	YES	NO	N/A
• Evacuation routes		x	
• Location of regrouping areas		x	
Comments: The Site Evacuation Diagram is illegible. Please provide a legible diagram that has the required information.			
Site Security (sec. 1.10) *(See Section II, 112.7(e)(9))*	YES	NO	N/A
• Description of facility security (Emergency cut-off locations, enclosures, guards and their duties, lighting, valve and pump locks, pipeline connection caps)	x		
Comments:			
Please use the following space to describe overall impressions of the facility response plan (i.e., functional, workable). A set of questions is provided in Appendix C to assist the inspector is assessing overall plan adequacy.			
Reviewed by: Lee (312) 886-5296 Date: 06-25-10			

BP Products NA, Inc.
Wood River Terminal
P.O. Box 178
Hartford, IL 62048

Certified Mail – Return Receipt Requested

August 12, 2010

Alexander C. Tzallas, FRP Coordinator
Emergency Response Section 2 (SE-5J)
U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, IL 60604

RE: Five (5) Year Facility Response Plan Review (FRP0500156) and Request for Information Pursuant to Sections 308 and 311 of the Clean Water Act, 33 U.S.C. 1318 and 1321

Dear Mr. Tzallas:

This letter and the enclosed information / documentation will serve as our response to your Request for Information, dated July 14, 2010. The attached information covers the time period from July 1, 2007 to July 1, 2010. I have marked, with an X, those items in the list below that are included herewith. Any item that is not applicable to this facility has been marked N/A and an explanation is provided.

1. Quarterly Qualified Individual Notification Drill Logs __X__
2. Annual Spill Management Team Tabletop Drill Logs __X__
3. Semi-annual (facility-owned) Equipment Deployment exercise records N/A -- We do not have such facility-owned equipment (e.g. boat, boom, skimmer)
4. Personnel Response Training Logs __X__
5. Discharge Prevention Meeting Logs __X__
6. Tank Inspection Logs __X__
7. Records regarding completed secondary containment inspections __X__
8. Response Equipment Testing and Deployment Drill Logs N/A -- We do not have such facility-owned equipment (e.g. boat, boom, skimmer)
9. Response Equipment Checklists N/A -- We do not have such facility-owned equipment (e.g. boat, boom, skimmer)
10. Response Equipment Inspection Logs N/A -- We do not have such facility-owned equipment (e.g. boat, boom, skimmer)

Updates to subject Facility Response Plan, resulting from your review, will be sent to you under separate cover, by Technical Response Planning Corporation.

If you have any questions, please contact me at (618) 254-7630.

Sincerely,

Vernon St. Peters
Terminal Manager

cc: Joe Estep, District Operations Manager
Mike Cunningham, Area Manager
Jeff Piatt, Environmental Coordinator
Ron Bozarth, Sr. Emergency Preparedness & Crisis Mgmt Advisor
Greg Desmond, Sr. Project Manager, Technical Response Planning Corp.

TECHNICAL RESPONSE PLANNING CORPORATION

QUALITY SERVICES SINCE 1995

September 9, 2010

Mr. Alexander C. Tzallas, FRP Coordinator
Emergency Response Section 2 (SE-5J)
U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, IL 60604

RE: Facility Response Plan for the BP Products North America, Inc., U.S. Logistics Wood River Terminal (EPA FRP # FRP0500156)

Dear Mr. Tzallas:

Enclosed is a copy of the updated BP Wood River Terminal Facility Response Plan for your review and approval.

The plan includes requested changes per your July 14, 2010 letter. Attached for your convenience is a deficiency checklist outlining your specified plan deficiencies and the location in the plan where the deficiency has been satisfied.

Please direct all questions and correspondence to Vernon St. Peters (Terminal Manager) at 1000 BP Lane, Hartford, IL 62048 or (618) 254-7781.

Respectfully,
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond
Senior Project Manager

Federal Express

cc: Ron Bozarth, Sr. Emergency Preparedness & Crisis Mgmt Advisor

9720 Cypresswood Drive Suite 340 | Houston, Texas 77070 | Office: (281) 955-9600 | Fax: (281) 955-0369 | E-mail: info@trpcorp.com | Internet: www emergency-response-planning.com

RE: EPA RESPONSE REVIEW CHECKLIST
EPA FRP # FRP0500156 WOOD RIVER TERMINAL

FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
INFORMATION REQUEST Facility's completed logs, records and inspection checklists identified below for the period of time from July 1, 2007 to July 1, 2010. • Quarterly Qualified Individual Notification Drill Logs • Annual Spill Management Team Tabletop Drill Logs • Semi-annual Equipment Deployment exercise records • Personnel Response Training Logs • Discharge Prevention Meeting Logs • Tank Inspection Logs • Records regarding completed secondary containment inspections • Response Equipment Testing and Deployment Drill Logs • Response Equipment Checklists • Response Equipment Inspection Logs	This information will be sent to you under separate cover by Vernon St. Peters, Terminal Manager, BP Products NA, Inc. This information is also included in the supplied update in APPENDIX G.
FACILITY INFORMATION SUMMARY Owner Telephone Number • This number is disconnected, please provide a correct telephone number.	• Refer to FIGURE 1-2. Updated to include correct owner telephone number.
2.0 RESPONSE PLAN COVER SHEET • Facility Owner & Address (recommended) • Facility Owner Telephone (recommended) • Facility Start Up Date (recommended) • Facility Acres (recommended) • Name of Protected Waterway or Environmentally Sensitive Area • Worst Case Discharge Amount (gallons) - Listed in barrels • Total Number of USTs • Total UST Storage • Total Storage of Drums & Transformers that contain Oil • Number of Surface Impoundments and Total Storage of Surface Impoundments	• Refer to FIGURE E-4. • Refer to FIGURE E-4. • Refer to FIGURE E-4. Updated to include Facility Start Up Date • Refer to FIGURE E-4. Updated to include Facility Acres • Refer to FIGURE E-4. Updated to include Name of Protected Waterway or Environmentally Sensitive Area • Refer to FIGURE E-4. • Refer to FIGURE E-4. Updated to include Total Number of USTs • Refer to FIGURE E-4. Updated to include Total UST Storage • Refer to FIGURE E-4. Updated to include Total Storage of Drums and Total Storage of Transformers that Contain Oil • Refer to FIGURE E-4. Updated to include Number of Surface Impoundments and Total Storage of Surface Impoundments

9720 Cypresswood Drive Suite 340 | Houston, Texas 77070 | Office: (281) 955-9600 | Fax: (281) 955-0369 | E-mail: info@trpcorp.com | Internet: www emergency-response-planning.com

FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
2.0 RESPONSE PLAN COVER SHEET, CONTINUED Comments: Please provide the missing information. (b) (7)(F) [redacted]	Refer to FIGURE E-4 for missing information and the EPA Worst Case Discharge volume. Also updated FIGURE 1-2 to identify the Worst Case Discharge volume as the PHMSA Worst Case Discharge.
1.1 EMERGENCY RESPONSE ACTION PLAN (ERAP) • Qualified Individual (QI) Information (sec. 1.2) • Emergency Notification List (sec. 1.3.1) • Spill Response Notification Form (sec. 1.3.1) • Response Equipment List an Location (sec. 1.3.2) • Response Equipment Testing and Deployment (sec. 1.3.4) • Facility Response Team List (sec. 1.3.4) • Evacuation Plan (sec. 1.3.5) • Immediate Actions (sec. 1.7.1) • Facility Diagrams (sec. 1.9) Comments: The ERAP is in a separate section, however the ERAP and the cross reference refers to other sections of the plan. The ERAP is a stand alone document and all the information must be provided in this section. Also, please see the respective sections of this checklist for the deficiencies in the plan as well as the ERAP. Facility must ensure that changes that are made to the FRP are also made to the sections of the ERAP where applicable.	• Refer to ERAP FIGURE 3-2. • Refer to ERAP FIGURE 3-2 and FIGURE 3-3. • Refer to ERAP FIGURE 3-1. • Refer to ERAP FIGURE 5-2 and FIGURE 5-3. • Refer to ERAP FIGURE 5-4. • Refer to ERAP FIGURE 3-2. • Refer to ERAP SECTION 2.12 and SECTION 2.12.1. • Refer to ERAP SECTION 2.0. • Refer to ERAP FIGURE 6-1, FIGURE 6-2 and FIGURE 6-3. The cross-references in FRP APPENDIX E – FIGURE E-1 (sec. 1.1) have been updated to reference the ERAP for required elements in the ERAP. Changes made to the FRP were also made to the ERAP where applicable.
1.2 FACILITY INFORMATION • Description of specific response training experience • Oil storage start-up date (sec. 1.2.6) Comments: Please provide the missing information. The QI's specific response training was not found in Appendix A, only a blank form was located in Appendix A Figure A.2.3. Also, only Vernon St. Peters is located within 30 minutes of the facility. The other QIs listed (Joe Estep and Mike Cunningham) have a 4 and 5 hour response time. The QI needs to be able to respond to the facility immediately to begin clean up operations. Who would the alternate QI be if Vernon St Peters is unavailable?	• Updated FIGURE A.2-3. • Refer to FIGURE 1-2. Refer to FIGURE 1-2 and FIGURE A.2-3. Updated these sections to include missing information, including an alternate QI who can respond to the facility immediately to begin clean up operations. Training documentation will be sent to you under separate cover by Vernon St. Peters, Terminal Manager, BP Products NA, Inc. This information is also included in the supplied update in APPENDIX G.

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FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
1.2 FACILITY INFORMATION, CONTINUED Comments, Continued: The oil storage start-up date is not provided in this section. Section 1-2, Page 5 provides a Worst Case Discharge calculation but this is a different number than what is provided in the Response Plan Cover Sheet and there are no units provided. Please clarify this in the plan.	Refer to FIGURE 1-2 for the oil storage start-up date. This figure was also updated to identify the Worst Case Discharge volume in this table as the PHMSA Worst Case Discharge.
1.3 EMERGENCY RESPONSE INFORMATION • Federal On-Scene Coordinator (OSC) and/or Regional response center (day and evening) phone numbers • Local water supply system (day and evening) phone numbers • Spill Response Notification Form Comments: Please provide the missing information. The only required Federal On-Scene Coordinator telephone number is 312-353-2318. Please provide 24 hour contact numbers for the water intakes listed in "Neighboring Facilities" section. These numbers can be found in the Spill Response Strategies CD. The Spill Response Notification Form has a California address for the Company Address; please remove this reference and provide a new form.	• Refer to FIGURE 3.1-4. Updated to include this data. • Refer to FIGURE 3.1-4. Updated to include this data. • Refer to FIGURE 3.1-2. Refer to FIGURE 3.1-4. Updated to include this data. Refer to FIGURE 3.1-2 for a new spill response notification form.
1.3.2 RESPONSE EQUIPMENT LIST (Identify if Facility, OSRO, CO-OP owned by letters O, F, or C) • Skimmers/Pumps • Boom • Chemical Countermeasures Agents Stored • Sorbents • Hand Tools • Communication Equipment • Fire Fighting and Personnel Protective Equipment • Boats and Motors • Other • Equipment Location • Amount of oil that emergency response equipment can handle and limitations must be described Comments: The OSRO's equipment list is provided in Appendix B but this is not noted in Section 7.1.1 or in the cross reference. Amend to facilitate review of the FRP. Section 7.1.1 Response Equipment is a blank form. If your facility does not have certain response equipment please provide a statement on whether or not the facility has/stores the equipment marked as NO. If the facility has any response equipment, it should be stated on the form.	• Updated cross-references to reference SECTION 7.1.1, FIGURE 7.1-1, APPENDIX B.1.1 and FIGURE B.1-1 for response equipment. • Company-owned equipment is listed in SECTION 7.1.1. • OSRO Resources are listed in FIGURE 7.1-1, APPENDIX B.1.1 and FIGURE B.1-1. All BP contracts are evergreen and therefore do not expire. • No CO-OP Owned equipment. Updated cross-references to reference SECTION 7.1.1, FIGURE 7.1-1, APPENDIX B.1.1 and FIGURE B.1-1 for response equipment. Company-owned equipment is listed in SECTION 7.1.1. OSRO Resources are listed in FIGURE 7.1-1, APPENDIX B.1.1 and FIGURE B.1-1. No CO-OP Owned equipment. All BP contracts are evergreen and therefore do not expire.

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FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
1.3.3 RESPONSE EQUIPMENT TESTING AND DEPLOYMENT DRILL LOG • Date of Last Inspection or Equipment Test • OSRO Certification Comments: A blank form is provided in Figure A.1-4. Where at the facility would completed forms be kept if an inspection were to occur at the facility? This needs to be provided on the form. The OSRO Certification is located in Appendix B, however the plan does not provide a statement as to where is it located. Please amend your plan and cross reference. Heritage is a USCG certified OSRO. Provide the USCG certification in this section, not just the USCG Classification. Also, provide an update contract with Heritage and Jarrett Industries. Also, provide a completed Response Equipment Testing and Deployment Drill Log.	• Refer to FIGURE A.1-4. • Refer to APPENDIX B.1.1 and FIGURE B.1-1 Updated FIGURE A.1-4 to identify where records are maintained. Refer to FIGURE B.1-1 for OSRO certification information and contracts. All BP contracts are evergreen and therefore do not expire. Refer to FIGURE E-1 for updated cross-references. Copies of logs will be sent to you under separate cover by Vernon St. Peters, Terminal Manager, BP Products NA, Inc. This information is also included in the supplied update in APPENDIX G.
1.3.4 PERSONNEL Emergency Response Personnel Information • Response Time • Responsibility • Type and date of response training Emergency Response Contractor Information • Evidence of contractual agreements Comments: Please address the missing information. The Emergency Response Personnel Information does not address the type and date of response training for all the people listed. Please amend your plan. Response times are not provided for all individuals or contractors. The OSRO contract with Heritage is dated 2006. The contract with Jarrett is dated 2008. Provide a current OSRO contracts.	• Refer to FIGURE 3.1-3. • Refer to FIGURE 3.1-3. • Refer to FIGURE 3.1-3 and FIGURE A.2-3. • Refer to FIGURE 3.1-3, FIGURE 7.1-1, APPENDIX B • Refer to FIGURE B.1-1. All BP contracts are evergreen and therefore do not expire. FIGURE 3.1-3 and FIGURE A.2-3 contains Facility Response Team and Emergency Response Personnel information. FIGURE 3.1-3, FIGURE 3.1-4, FIGURE 7.1-1 and APPENDIX B contains Emergency Response Contractor information. FIGURE B.1-1 contains OSRO contracts. All BP contracts are evergreen and therefore do not expire.
1.3.5 EVACUATION PLANS • Alternative routes of evacuation • Community Evacuation Plans referenced Comments: Please provide the required information that is not addressed. Currently community evacuation plans only reference state that community evacuations are the responsibility of the local police, sheriff or state police. BP needs to determine if there are specific plans outlined in the LEPC plan or with the local agencies that will handle the evacuation. Secondary muster points are only identified on FIGURE C-3. Alternate evacuation routes are not provided.	• Refer to SECTION 2.6.2. • Refer to SECTION 2.6.2. Refer to SECTION 2.6.2. Updated to discuss alternate routes of evacuation and community evacuation plans. Updated FIGURE C-3 to include alternate evacuation routes.

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FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
1.3.6 DESCRIPTION OF QUALIFIED INDIVIDUAL'S DUTIES • Activate internal alarms and hazard communication systems • Notify Response Personnel • Identify character, exact source, amount, and extent of the release • Notify and provide information to appropriate Federal, State and local authorities • Assess interaction of spilled substance with water and/or other substances stored at facility and notify on-scene response personnel of assessment • Assess possible hazards to human health and the environment • Assess and implement prompt removal actions • Coordinate rescue and response actions • Access company funding to initiate cleanup activities • Direct cleanup activities Comments: Please address the QI Duties. The list of specific QI duties that need to be addressed can be found in 40 CFR 112.20 (h)(3)(ix). Include these specific duties in Section 4.5 of the FRP.	• Refer to SECTION 4.5. Updated to include the description of QI Duties. Refer to SECTION 4.5. Updated to include the description of QI Duties.
1.4.1 HAZARD IDENTIFICATION • Tank Above Ground and Below Ground Surface Impoundments (SI) • SI Number(s) • Substance(s) Stored • Quantity(s) Stored • Surface Area(s)/Year(s) of Construction • Maximum Capacity(s) • Failure(s)/Cause(s) Comments: There are no underground storage tanks or surface impoundments at this facility. Adding the total capacities on Figure C-1 provides a total oil storage capacity of 103,565,538 gallons which is different than the volume provided in the Response Plan Cover Sheet.	• Refer to FIGURE C-1. Updated to discuss above ground and below ground tanks. • Refer to FIGURE C-1. Updated to discuss SI. • Refer to FIGURE C-1. Updated to discuss SI. • Refer to FIGURE C-1. Updated to discuss SI. • Refer to FIGURE C-1. Updated to discuss SI. • Refer to FIGURE C-1. Updated to discuss SI. • Refer to FIGURE C-1. Updated to discuss SI. • Refer to FIGURE C-1. Updated to discuss SI. Refer to the "Maximum oil storage capacity (gallons)" in FIGURE E-4 for the total oil storage capacity of the facility. This volume matches the Facility Total found at the bottom of the table in FIGURE C-1.

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FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
1.4.2 VULNERABILITY ANALYSIS • Analysis of potential effects of an oil spill on vulnerable areas. • Wetlands or other sensitive environments • Fish and wildlife • Endangered flora and fauna • Utilities Comments: What is the calculated planning distance for the facility? It is not provided in Section 6.7. Please show the calculations for the planning distance in this section – they are located in Figure D.4-1. Does the vulnerability analysis done by the facility go 28 miles downstream on the Mississippi? USEPA has Inland Sensitivity Atlases that should be used to ensure that all sensitive areas are identified within the 28 miles. A map of the River showing how far 28 miles downstream needs to be provided in the FRP. Plan states that there is 1 wildlife refuge between facility and MM 183. Provide the name of the refuge and the resource trustee that would be notified in the event of a spill. FRP states that no utilities would be impacted by a spill but there are several drinking water intakes that are located downstream of the facility. Wastewater treatment facilities are also considered utilities. Also, are there natural gas pipelines that cross the river that could be impacted?	• Refer to FIGURE D.4-1 and SECTIONS 6.7 and 6.8. • Refer to SECTIONS 6.7 and 6.8 for updated information. • Refer to SECTIONS 6.7 and 6.8 for updated information. • Refer to SECTIONS 6.7 and 6.8 for updated information. • Refer to SECTIONS 6.7 and 6.8 for updated information. The cross-references in APPENDIX E – FIGURE E-1 (sec.1.4.2) has been updated to identify FIGURE D.4-1 for the planning distance calculations. Refer to SECTION 6.7 and SECTION 6.8. The vulnerability analysis and sensitivity maps have been updated to address the entire planning distance.
1.4.3 ANALYSIS OF THE POTENTIAL FOR AN OIL SPILL • Description of likelihood of release occurring • Oil spill history for the life of the facility • Horizontal range of potential spill • Vulnerability to natural disaster • Other factors (e.g., unstable soils, earthquake zones, Kart topography, etc.) Comments: Section D-4.1 discussed tidally influenced waters. Please remove this as it is not applicable to inland zone. Plan also states that natural disasters are not likely at these facilities. The Wood River Terminal is located near the Mississippi River which floods frequently. Flooding information can be found by contacting the US Army Corps of Engineers.	• Refer to APPENDIX D.2.1. • Refer to APPENDIX D.2.1 and FIGURE C-8. • Refer to APPENDIX D.2.1 and FIGURE D.4-1. • Refer to APPENDIX D.2.1. • Refer to APPENDIX D.2.1. The description of factors and guidelines for tidally influenced areas in FIGURE D.4-1 is a standard component of the plan. Refer to APPENDIX D.2.1 where flooding is addressed.

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FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
1.5.1 SMALL DISCHARGES	Refer to APPENDIX D.5.1 for updated information.
• Loading and unloading operations	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Facility Maintenance Operation	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Facility Piping	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Pumping stations and sumps	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Oil storage location	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Vehicle refueling operations	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Age and condition of facility components	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Small volume discharge calculation for a facility	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Facility-specific spill potential analysis	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Average most probable discharge for complexes	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• 1,000 feet of boom (1 hour deployment time)	• Refer to SECTION 7.1.1, FIGURE 7.1-1, APPENDIX B and APPENDIX D.5.1 for updated information. Refer to FIGURE E-1 for updated cross-references.
• Correct amount of boom for complexes	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Oil recovery devices equal to small discharge (2 hour recovery time)	• Refer to SECTION 7.1.1, FIGURE 7.1-1, APPENDIX B and APPENDIX D.5.1 for updated information. Refer to FIGURE E-1 for updated cross-references.
• Oil storage capacity for recovered material	• Refer to SECTION 7.1.1, FIGURE 7.1-1, APPENDIX B and APPENDIX D.5.1 for updated information. Refer to FIGURE E-1 for updated cross-references.

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FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
1.5.1.2 SCENARIOS AFFECTED BY THE RESPONSE EFFORTS (SMALL DISCHARGES)	Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions.
• Size of the discharge	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Proximity to downgradient wells, waterways, and drinking water intakes	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Proximity to fish and wildlife and sensitive environments	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Likelihood that the discharge will travel offsite (i.e., on a topography, drainage)	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Location of the material discharged (i.e., on a concrete pad or directly on the soil)	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Material discharged	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Weather or aquatic conditions (i.e., river flow)	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Available remediation equipment	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Probability of a chain reaction of failures	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Direction of discharge pathway	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
1.5.1 MEDIUM DISCHARGES	Refer to APPENDIX D.5.1 for updated information.
• Loading and unloading operations	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Facility Maintenance Operation	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Facility Piping	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Pumping stations and sumps	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Oil storage location	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.

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FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
1.5.1 MEDIUM DISCHARGES, CONTINUED	Refer to APPENDIX D.5.1 for updated information.
• Vehicle refueling operations	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Age and condition of facility components	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Medium volume discharge calculation for a facility	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Facility-specific spill potential analysis	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Maximum most probable discharge for complexes	• Refer to APPENDIX D.5.1 for updated description. Refer to FIGURE E-1 for updated cross-references.
• Oil recovery devices equal to medium discharge	• Refer to SECTION 7.1.1, FIGURE 7.1-1, APPENDIX B and APPENDIX D.5.1 for updated information. Refer to FIGURE E-1 for updated cross-references.
• Availability of sufficient quantity of boom	• Refer to SECTION 7.1.1, FIGURE 7.1-1, APPENDIX B and APPENDIX D.5.1 for updated information. Refer to FIGURE E-1 for updated cross-references.
• Oil storage capacity for recovered material	• Refer to SECTION 7.1.1, FIGURE 7.1-1, APPENDIX B and APPENDIX D.5.1 for updated information. Refer to FIGURE E-1 for updated cross-references.
1.5.1.2 SCENARIOS AFFECTED BY THE RESPONSE EFFORTS (MEDIUM DISCHARGES)	Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions.
• Size of the discharge	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Proximity to downgradient wells, waterways, and drinking water intakes	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Proximity to fish and wildlife and sensitive environments	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Likelihood that the discharge will travel offsite (i.e., on a topography, drainage)	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Location of the material discharged (i.e., on a concrete pad or directly on the soil)	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Material discharged	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.

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1.5.1.2 SCENARIOS AFFECTED BY THE RESPONSE EFFORTS (MEDIUM DISCHARGES), CONTINUED	Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions.
• Weather or aquatic conditions (i.e., river flow)	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Available remediation equipment	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Probability of a chain reaction of failures	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Direction of discharge pathway	• Refer to APPENDICES D.5.1 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
1.5.1 SMALL AND MEDIUM DISCHARGES Comments: The owner or operator must consider types of facility specific scenarios that may contribute to a discharge. The discharge scenarios in the BP FRP's for US EPA R5 are all similar with the same scenarios. Please tailor the scenarios to the facility location. These scenarios must address all of the items on the checklist. This includes describing sensitive species and environments that may be affected. Please don't just refer to other sections. Also, all of the discharge scenarios must include the spill leaving the facility property and reaching a waterway. Identify if the facility is a complex. Finally, these FRP's do not include the OSRO equipment list. The reviewers cannot determine whether or not the required equipment and time frames will be met.	Refer to APPENDIX D.5.1 for updated Small and Medium Discharge descriptions. APPENDIX D.5.3 also includes a description of factors affecting response efforts. Refer to FIGURE E-1 for updated cross-references. Refer to FIGURE 7.1-1 for OSRO equipment descriptions. It is not required that equipment lists for USCG Classified OSROs be included in the FRP. Equipment lists for Non-USCG Classified OSROs are included in FIGURE B.1-1.
1.5.2 WORST CASE DISCHARGE	Refer to APPENDIX D.5.2 for updated information.
• Facility Specific Worst Case Discharge Scenario	• Refer to APPENDIX D.5.2 and FIGURE D.5-1 for updated descriptions and a trajectory analysis. Refer to FIGURE E-1 for updated cross-references.
• Description of worst case discharges scenarios addressing facility operations and components including but not limited to:	• Refer to APPENDIX D.5.2 and FIGURE D.5-1 for updated descriptions and a trajectory analysis. Refer to FIGURE E-1 for updated cross-references.
• Loading and unloading operations	• Refer to APPENDIX D.5.2 and FIGURE D.5-1 for updated descriptions and a trajectory analysis. Refer to FIGURE E-1 for updated cross-references.
• Facility Maintenance Operation	• Refer to APPENDIX D.5.2 and FIGURE D.5-1 for updated descriptions and a trajectory analysis. Refer to FIGURE E-1 for updated cross-references.
• Facility Piping	• Refer to APPENDIX D.5.2 and FIGURE D.5-1 for updated descriptions and a trajectory analysis. Refer to FIGURE E-1 for updated cross-references.

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FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
1.5.2 WORST CASE DISCHARGE, CONTINUED	Refer to APPENDIX D.5.2 for updated information.
• Pumping stations and sumps	• Refer to APPENDIX D.5.2 and FIGURE D.5-1 for updated descriptions and a trajectory analysis. Refer to FIGURE E-1 for updated cross-references.
• Oil storage location	• Refer to APPENDIX D.5.2 and FIGURE D.5-1 for updated descriptions and a trajectory analysis. Refer to FIGURE E-1 for updated cross-references.
• Vehicle refueling operations	• Refer to APPENDIX D.5.2 and FIGURE D.5-1 for updated descriptions and a trajectory analysis. Refer to FIGURE E-1 for updated cross-references.
• Age and condition of facility components	• Refer to APPENDIX D.5.2 and FIGURE D.5-1 for updated descriptions and a trajectory analysis. Refer to FIGURE E-1 for updated cross-references.
• Correct Worst Case Discharge (WCD) calculation for specific type of facility	• Refer to APPENDIX D.7.
• Correct WCD calculation for complexes	• Refer to APPENDIX D.5.2 and FIGURE D.5-1 for updated descriptions and a trajectory analysis. Refer to FIGURE E-1 for updated cross-references.
• Sufficient response resources for WCD	• Refer to FIGURE 3.1-4, FIGURE 7.1-1, APPENDIX B, APPENDIX D.7 and FIGURE D.5-1. Refer to FIGURE E-1 for updated cross-references.
• Sources and quantity of equipment for response to WCD	• Refer to FIGURE 3.1-4, FIGURE 7.1-1, APPENDIX B, APPENDIX D.7 and FIGURE D.5-1. Refer to FIGURE E-1 for updated cross-references.
• Oil storage capacity for recovered material	• Refer to FIGURE 3.1-4, FIGURE 7.1-1, APPENDIX B, APPENDIX D.7 and FIGURE D.5-1. Refer to FIGURE E-1 for updated cross-references.
1.5.1.2 SCENARIOS AFFECTED BY THE RESPONSE EFFORTS (WORST CASE DISCHARGES)	Refer to APPENDICES D.5.2 and D.5.3 for updated descriptions.
• Size of the discharge	• Refer to APPENDICES D.5.2 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Proximity to downgradient wells, waterways, and drinking water intakes	• Refer to APPENDICES D.5.2 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Proximity to fish and wildlife and sensitive environments	• Refer to APPENDICES D.5.2 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Likelihood that the discharge will travel offsite (i.e., on a topography, drainage)	• Refer to APPENDICES D.5.2 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.

9720 Cypresswood Drive Suite 340 | Houston, Texas 77070 | Office: (281) 955-9600 | Fax: (281) 955-0369 | E-mail: info@trpcorp.com | Internet: www emergency-response-planning.com

FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
1.5.1.2 SCENARIOS AFFECTED BY THE RESPONSE EFFORTS (WORST CASE DISCHARGES), CONTINUED	Refer to APPENDICES D.5.2 and D.5.3 for updated descriptions.
• Location of the material discharged (i.e., on a concrete pad or directly on the soil)	• Refer to APPENDICES D.5.2 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Material discharged	• Refer to APPENDICES D.5.2 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Weather or aquatic conditions (i.e., river flow)	• Refer to APPENDICES D.5.2 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Available remediation equipment	• Refer to APPENDICES D.5.2 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Probability of a chain reaction of failures	• Refer to APPENDICES D.5.2 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
• Direction of discharge pathway	• Refer to APPENDICES D.5.2 and D.5.3 for updated descriptions. Refer to FIGURE E-1 for updated cross-references.
1.5.2 WORST CASE DISCHARGE Comments: The owner or operator must consider types of facility specific scenarios that may contribute to a discharge. The discharge scenarios in the BP FRP's for US EPA R5 are all similar with the same scenarios. Please tailor the scenarios to the facility location. These scenarios must address all of the items on the checklist. This includes describing sensitive species and environments that may be affected. Please don't just refer to other sections. Also, all of the discharge scenarios must include the spill leaving the facility property and reaching a waterway. Identify if the facility is a complex. Finally, these FRP's do not include the OSRO equipment list. The reviewers cannot determine whether or not the required equipment and time frames will be met. Also, Spill Response Strategies have been developed for the Greater St Louis Sub Area which has representatives from USEPA, USCG, State Environmental Agencies and Natural Resource Trustees. These strategies should be incorporated into the Worst Case Discharge section of the FRP. It has also identified areas that need to be protected or natural collection points on the River.	Refer to APPENDIX D.5.2 for updated Worst Case Discharge Scenario and Response Resources descriptions, including incorporation of the Greater St. Louis Sub Area Spill Response Strategies. APPENDIX D.5.3 also includes a description of factors affecting response efforts. Refer to FIGURE E-1 for updated cross-references. Refer to FIGURE 7.1-1 for OSRO equipment descriptions. It is not required that equipment lists for USCG Classified OSROs be included in the FRP. Equipment lists for Non-USCG Classified OSROs are included in FIGURE B.1-1.

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FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
1.6 DISCHARGE DETECTION SYSTEMS	
• Discharge Detection by Personnel (sec. 1.6.1)	• Refer to APPENDIX D.3.1 for updated descriptions.
• Description of procedures and personnel for spill detection.	• Refer to APPENDIX D.3.1 for updated descriptions.
• Emergency Response Information (referenced)	• Refer to APPENDIX D.3.1, FIGURE 2-1 and SECTION 3.
Comments: Please provide the required information.	Refer to APPENDIX D.3.1 for updated information.
1.6.2 AUTOMATED DISCHARGE DETECTION	
• Description of automatic spill detection equipment, including overfill alarms and secondary containment sensors	• Refer to APPENDIX D.3.1 for updated descriptions.
• Description of alarm verification procedures and subsequent actions	• Refer to APPENDIX D.3.1 and FIGURE 2-1.
Comments: Please provide the required information.	Refer to APPENDIX D.3.1 and FIGURE 2-1.
1.7 PLAN IMPLEMENTATION	
• Identification of response resources for small, medium, and worst case spills (sec. 1.7.1)	• Refer to APPENDIX B, APPENDIX D.5.1 and APPENDIX D.5.2.
• Description of response actions	• Refer to SECTION 2, APPENDIX D.5.1 and APPENDIX D.5.2.
• Emergency plans for spill response	• Refer to SECTION 2, APPENDIX D.5.1 and APPENDIX D.5.2.
• Additional response training	• Refer to APPENDIX A.2.
• Additional contracted help	• Refer to APPENDIX B.1.1 and FIGURE B.1-1.
• Access to additional response equipment/experts	• Refer to APPENDIX B.1.1 and FIGURE B.1-1.
• Ability to implement plan, including response training and practice drills	• Refer to APPENDIX A.1 and APPENDIX A.2.
Comments: BP has a contract with Jarrett Industries- provide an updated contract. Figure B.1-2 provides a list of emergency response contractors. Would these contractors procured to provide additional response equipment/experts? Provide the required information that is currently marked with a “No”.	Refer to FIGURE B.1-1 for contracts. All BP contracts are evergreen and therefore do not expire. FIGURE B.1-2 has been removed from the plan. Refer to the bullets listed above for the locations of required information.
1.7.2 DISPOSAL PLAN	
• Description of procedures for recovering, reusing, decontaminating or disposing of materials	• Refer to SECTION 5.4, SECTION 5.5, SECTION 7.3 and FIGURE 7.3-4.
• Materials addressed in Disposal Plan	• Refer to SECTION 5.5 and FIGURE 7.3-4.
• Plan prepared in accordance with any Federal, State, and/or local regulations	• Refer to SECTION 5.5 and SECTION 7.3.
• Plan addresses permits required to transport or dispose of recovered materials	• Refer to FIGURE 7.3-4 for updated information. See also SECTIONS 5.5 and 7.3.

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FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
1.7.2 DISPOSAL PLAN, CONTINUED Comments: Please provide the required information. Section 5.5 and 7.3 address the disposal plan that would need to be developed by the IMT during an incident. FRP regulations want the facility to determine in advance where materials could potentially be stored if a spill were to occur at the facility. That would include recovered oily water, oil contaminated soils, PPE, lab wastes, etc. Also, a list of potential disposal facilities for those materials also needs to be provided.	Refer to FIGURE 7.3-4 for facility-specific disposal locations. This disposal facility(s) would provide waste handling/disposal services for the facility.
1.7.3 CONTAINMENT AND DRAINAGE PLANNING • Description of containing/controlling a spill through drainage. • Containment volume • Drainage route from oil storage and transfer areas • Construction materials in drainage troughs • Type and number of valves and separators in drainage system • Sump pump capacities • Containment capacities of weirs and booms and their location • Other clean up materials Comments: The required information was not found in Appendix C or on the referenced Figure. Please provide the required information. Figure C-9 is a brief list of the above topics which refers the reviewer to different sections of the FRP which is not considered a Containment and Drainage Plan. The facility needs to develop a complete drainage and containment plan that addresses all of the above items.	• Refer to FIGURE C-9. Updated to include required information. Refer to FIGURE C-9. Updated to include required information.
1.8.1 FACILITY SELF-INSPECTION • Records of tank inspections with dates • Records of secondary containment inspections with dates • Response Equipment Checklist (sec.1.8.1.2) - Operational status/condition - Inspection Records maintained for 5 years - Response Equipment Inspection Log Comments: Please provide the required information. Blank logs are provided in the FRP. Where are the completed logs maintained at the facility? The Response Equipment Inspection Checklist does not state if the records are kept for 5 years.	• Refer to FIGURE C-5 for updated information. • Refer to FIGURE C-5 for updated information. • Refer to FIGURE D.3-1 for updated information. - Refer to FIGURE D.3-1 for updated information. - Refer to FIGURE D.3-1 for updated information. - Refer to FIGURE D.3-1 for updated information. Refer to FIGURE A.1-4, FIGURE C-5 and FIGURE D.3-1 for updated information. Copies of completed logs will be sent to you under separate cover by Vernon St. Peters, Terminal Manager, BP Products NA, Inc. This information is also included in the supplied update in APPENDIX G.

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FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
1.8.2 FACILITY DRILLS/EXERCISES • QI notification drill • Unannounced exercise • Description of evaluation procedures for drill program • Qualified Individual Notification Drill Log (sec. 1.8.2.1) • Spill Management Team Tabletop Drill Log (sec. 1.8.2.2)	 • Refer to FIGURE A.1-2. • Refer to FIGURE A.1-2 for updated information. • Refer to FIGURE A.1-2 for updated information. • Refer to FIGURE A.1-5 for updated information. • Refer to FIGURE A.1-6 for updated information.
1.8.2 FACILITY DRILLS/EXERCISES, CONTINUED Comments: The QI Notification Drill does not mention that the QI will contact the NRC. Please amend your plan. The plan states that the facility will be exempt from Unannounced drills for three years. This is only true if the facility passes the Unannounced Drill. Please amend your plan. The QI Drill Log is missing "others contacted and emergency scenario". The Spill Management Drill Log is missing "qualified individual and participants". Please amend your Logs and submit completed copies of the Logs.	The PREP Guidelines don't state that during a QI Notification Drill the QI will contact the NRC. Therefore, this has not been changed. Refer to FIGURE A.1-2, FIGURE A.1-5 and FIGURE A.1-6 for updated information.
1.8.3 RESPONSE TRAINING • Personnel Response Training Logs • Discharge Prevention Meeting Logs Comments: Please provide completed copies of the Personnel Response Training Logs and for the Discharge Prevention Meeting Logs. Where are completed copies of the logs kept at the facility?	 • Refer to FIGURE A.2-3 for updated information. • Refer to FIGURE C-4 for updated information. FIGURE A.2-3 and FIGURE C-4 have been updated. Copies of completed logs will be sent to you under separate cover by Vernon St. Peters, Terminal Manager, BP Products NA, Inc. This information is also included in the supplied update in APPENDIX G.
1.9 DIAGRAMS (Site Plan Diagram) • Entire Facility to Scale • Above and below-ground storage tanks • Contents and capacities of bulk oil storage tanks • Contents and capacities of drum storage areas • Contents and capacities of surface impoundments • Process buildings • Transfer areas • Location and capacity of secondary containment systems • Location of hazardous materials • Location of communications and emergency response equipment • Location of electrical equipment that might contain oil • If the Facility is a Complex Facility, the interface between EPA and other regulating agencies	 • Refer to FIGURE 1-5 for an updated diagram. • Refer to FIGURE 1-5 for an updated diagram. • Refer to FIGURE 1-5 for an updated diagram. • Refer to FIGURE 1-5 for an updated diagram. • Refer to FIGURE 1-5 for an updated diagram. • Refer to FIGURE 1-5 for an updated diagram. • Refer to FIGURE 1-5 for an updated diagram. • Refer to FIGURE 1-5 for an updated diagram. • Refer to FIGURE 1-5 for an updated diagram. • Refer to FIGURE 1-5 for an updated diagram. • Refer to FIGURE 1-5 for an updated diagram.

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FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
1.9 DIAGRAMS (Site Plan Diagram), CONTINUED Comments: The Site Diagram, as submitted, is illegible. Please provide a legible Site Diagram that has the required information. The information can be provided in a legend. Tank information is also missing from the diagram which includes the contents and capacities of bulk oil storage tanks and drum storage areas. This information needs to be included in the site plan diagram. If the facility does not have the listed item, this needs to be specifically stated in the legend to the diagram.	Refer to FIGURE 1-5 for an updated diagram.
1.9 DIAGRAMS (Site Drainage Plan Diagram) • Major sanitary and storm sewers, manholes, and drains • Weirs and shut-off valves • Surface water receiving streams • Fire fighting water sources • Other utilities • Response personnel ingress and egress • Response equipment transportation routes • Direction of spill flow from discharge points Comments: The Site Drainage Diagram, as submitted, is illegible. Please provide a legible Site Drainage Diagram. The information can be provided in a legend. In what direction is the surface water receiving stream? There are arrows that indicate where the material on site at the facility but where will it go once it leaves the facility? Does it flow in an intermittent stream or a drainage ditch before reaching the Mississippi River?	• Refer to FIGURE C-2 for an updated diagram. • Refer to FIGURE C-2 for an updated diagram. • Refer to FIGURE C-2 for an updated diagram. • Refer to FIGURE C-2 for an updated diagram. • Refer to FIGURE C-2 for an updated diagram. • Refer to FIGURE C-2 for an updated diagram. • Refer to FIGURE C-2 for an updated diagram. • Refer to FIGURE C-2 for an updated diagram. Refer to FIGURE C-2 for an updated diagram.
1.9 DIAGRAMS (Site Evacuation Plan Diagram) • Evacuation Routes • Location of regrouping areas Comments: The Site Evacuation Diagram is illegible. Please provide a legible diagram that has the required information.	• Refer to FIGURE C-3 for an updated diagram. • Refer to FIGURE C-3 for an updated diagram. Refer to FIGURE C-3 for an updated diagram.

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TECHNICAL RESPONSE PLANNING CORPORATION

QUALITY SERVICES SINCE 1995

September 15, 2010

Vernon St. Peters
Terminal Manager
BP Wood River Terminal
1000 BP Lane
Hartford, IL 62048

RE: Facility Response Plan for the BP Products North America, Inc., U.S. Logistics Wood River Terminal (EPA FRP # FRP0500156)

Dear Mr. St. Peters:

Enclosed is a copy of the updated BP Wood River Terminal Facility Response Plan for your use. A copy of this plan has also been submitted to EPA Region 5 for review and approval. The EPA will supply correspondence about approval or requested revisions to the Terminal. It is imperative that any correspondence from the EPA be supplied immediately to TRP to address any additional requests or post the approval. If you have any questions please contact me at (281) 955-9600 ext. 115 or e-mail gdesmond@trpcorp.com.

Sincerely,
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond
Senior Project Manager

Federal Express

9720 Cypresswood Drive Suite 340 | Houston, Texas 77070 | Office: (281) 955-9600 | Fax: (281) 955-0369 | E-mail: info@trpcorp.com | Internet: www emergency-response-planning.com

TECHNICAL RESPONSE PLANNING CORPORATION

QUALITY SERVICES SINCE 1995

October 27, 2010

Mr. Alexander C. Tzallas, FRP Coordinator
Emergency Response Section 2 (SE-5J)
U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, IL 60604

RE: Facility Response Plan for BP Product North America, Inc., U.S. Logistics:

- Wood River Terminal (EPA FRP # FRP0500156)
- Spring Valley Terminal (EPA FRP #FRP0500080)
- Indianapolis Terminal (EPA FRP #FRP0500155)
- O'Hare Terminal (EPA FRP #FRP0500145)
- Chicago Terminal (EPA FRP #0500161)
- Rochelle Terminal (EPA FRP #FRP0500147)

Dear FRP Coordinator:

Enclosed are updated copies of the following sections for the above BP Facility Response Plans (FRP) and Emergency Response Action Plans (ERAP) for your review:

- FRP - The second page of Figure 1-2 – Information Summary
- FRP - Figure 3.1-3 – Internal Notifications and Telephone Numbers
- ERAP - Figure 3-2 – Internal Notifications and Telephone Numbers

These pages contain updated qualified individual information. Please dispose of your old copy of these pages. Please direct all questions and correspondence to Michael Cunningham (Area Manager Midwest Terminals) at 28100 Torch Parkway, Warrenville, IL 60555 or (630) 836-5694.

Sincerely,
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond
Senior Project Manager

Federal Express

9720 Cypresswood Drive Suite 340 | Houston, Texas 77070 | Office: (281) 955-9600 | Fax: (281) 955-0369 | E-mail: info@trpcorp.com | Internet: www emergency-response-planning.com

TECHNICAL RESPONSE PLANNING CORPORATION

QUALITY SERVICES SINCE 1995

October 27, 2010

Ms. Barber
Response Plans Officer, Pipeline and Hazardous Material Safety
U.S. Department of Transportation
1200 New Jersey Avenue SE - Room E22-210
Washington, D.C. 20590

RE:

- PHMSA Sequence Number 1719 Dubuque Oil Spill Response Plan
- PHMSA Sequence Number BPIL Wood River Oil Spill Response Plan
- PHMSA Sequence Number BPIN Indianapolis Oil Spill Response Plan
- PHMSA Sequence Number 1722 OHare Oil Spill Response Plan
- PHMSA Sequence Number BPC0 Chicago Oil Spill Response Plan

Dear Ms. Barber:

Enclosed are two CDs of each of the above approved BP Oil Spill Response Plans, which contain updated Qualified Individuals information. Please direct all questions and correspondence to Michael Cunningham (Area Manager Midwest Terminals) at 28100 Torch Parkway, Warrenville, IL 60555 or (630) 836-5694.

Sincerely,
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond
Senior Project Manager

Enclosures
Federal Express

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TECHNICAL RESPONSE PLANNING
CORPORATION

QUALITY SERVICES SINCE 1995

June 16, 2011

Mr. Tzallas
Oil Planning and Response Section (SE-5J)
77 West Jackson Boulevard
Chicago, IL 60604

RE: Facility Response Plan for the BP Products, U.S. Terminals & Distribution
Wood River Terminal (EPA FRP # FRPFRP0500156)

Dear Mr. Tzallas:

Enclosed is a copy of the updated Appendix D for the BP Wood River Terminal Facility Response Plan. The updates include changes to the planning distance, small medium and WCD scenarios and response resources.

Please direct all questions and correspondence to Vernon St. Peters (Terminal Manager) at 1000 BP Lane Hartford, IL 62048 or (618) 254-7630.

Sincerely,
TECHNICAL RESPONSE PLANNING CORPORATION



Greg Desmond
Senior Project Manager

Federal Express

Cc: Paula Skryja, BP ER/CM Coordinator, Merrillville, IN

8203 Willow Place South Suite 160 | Houston, Texas 77070 | Office: (281) 955-9600 | Fax: (281) 955-0369 | E-mail: info@trpcorp.com |Internet:www.trpcorp.com

BP US PIPELINES & LOGISTICS
150 W. WARRENVILLE RD
NAPERVILLE, IL 60563

Fed Ex

June 29, 2012

U.S. Environmental Protection Agency - Region V
Oil Planning and Response Section (SE-5J)
77 West Jackson Blvd.
Attention: Mr. Alex Tzallas, FRP Coordinator
Chicago, IL 60604

RE: Change of Qualified Individual and Alternate Qualified Individual
BP Products Wood River Terminal (FRP0500156)
1000 BP Lane, Hartford, IL 62048

Dear Mr. Tzallas:

This will serve as notification that the Qualified and Alternate Qualified Individuals named in subject FRP have been replaced. I am now assuming the role of primary Qualified Individual and Mr. Vernon St. Peters will assume the role as the Alternate Qualified Individual.

If you have any questions, please contact me at (630) 536-2180 or Mr. Vernon St. Peters at (618) 254-7781.

Sincerely,

Timothy Smith
Pipelines Area Manager

BP US Pipelines & Logistics
150 W. Warrenville Rd
Naperville, IL 60563

bp

Fed Ex

June 29, 2012

U.S. Department of Transportation
Office of Pipeline Safety
1200 New Jersey Avenue, S.E.
Room 22-210
Attention: Melanie Barber, Response Plans Officer
Washington D.C. 20590

RE: Change of Qualified Individual and Alternate Qualified Individual
BP Products Wood River Terminal (PHMSA Sequence # BPIL)
1000 BP Lane, Hartford, IL 62048

Dear Ms. Barber:

This will serve as notification that the Qualified and Alternate Qualified Individuals named in subject FRP have been replaced. I am now assuming the role of primary Qualified Individual and Mr. Vernon St. Peters will assume the role as the Alternate Qualified Individual.

If you have any questions, please contact me at (630) 536-2180 or Mr. Vernon St. Peters at (618) 254-7781.

Sincerely,

Timothy Smith
Pipelines Area Manager

MSRC
Marine Spill Response Corporation®

Don Toenshoff, Jr.
Executive Vice President

December 21, 2012

Dear Customer:

The National Preparedness for Response Exercise Program (NPREP) Guidelines require a response plan holder to ensure that Equipment Deployment Exercise requirements are met on an annual basis. The NPREP Guidelines identify the minimum amount of equipment that must be deployed in Equipment Deployment Exercises.

This letter provides documentation to you that MSRC has completed the NPREP Equipment Deployment Exercise requirements for 2012. For purposes of Equipment Deployment Exercises under NPREP, each MSRC Region is considered a separate Oil Spill Removal Organization (OSRO). MSRC is divided into four Regions, Atlantic (Maine – Georgia, including the Mid-Continent), Gulf (Florida – Texas including Puerto Rico), California (self-explanatory) and Pacific/Northwest (Washington, Oregon and Hawaii). MSRC has deployed, at a minimum, the NPREP required amounts of each type of boom and one of each type of skimming system in the applicable regional inventory. This equipment has been deployed, if required, in each of the three types of operating environments listed in NPREP ("River & Canal", "Inland", and "Ocean"). Each of the four MSRC Regions has met these equipment deployment requirements in 2012. In addition, each Region has conducted extensive personnel training and has maintained its equipment according to a detailed preventative and corrective maintenance schedule.

MSRC has an aerial dispersant program, which is comprised of two contracted C-130 aircraft (based in Mesa, AZ and Stennis, MS) and four contracted King Air BE-90A aircraft (based in Concord, CA; Salisbury, MD; Stennis, MS; and San Juan, PR). MSRC's Dispersant Program, including all aircraft, are exercised through internal training and drills.

Documentation and records of the specific information relating to MSRC Equipment Deployment Exercises and Equipment Maintenance records are maintained in each MSRC Region. Additionally, highlights of when each MSRC Region satisfied the equipment deployment requirements are available in the MSRC website (www.msrc.org) in the Customer Access section.

Please feel free to contact the MSRC regions directly or me at (703) 326-5610 for additional information.

Sincerely,

Donald A. Toenshoff, Jr.
Executive Vice President

TECHNICAL RESPONSE PLANNING CORPORATION

QUALITY SERVICES SINCE 1995

August 6, 2013

Alexander C. Tzallas, FRP Coordinator
Emergency Response Section 2 (SE-5J)
U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, IL 60604

RE: Facility Response Plan and Emergency Response Action Plan for the BP Products North America, Inc., U.S. Logistics Wood River Terminal (EPA FRP # FRP0500156)

Dear Mr. Tzallas:

Enclosed is one copy of the above referenced plan for your review and approval. Please direct all questions and correspondence to Jeff Piatt at BP Products North America, Inc., U.S. Logistics, 1771 Saddlewood, O'Fallon, IL 62269 or (618) 632-6972.

Respectfully,
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond
Senior Project Manager

Federal Express

1610 Woodstead Court, Ste. 355 | The Woodlands, Texas 77380 | Office: (281) 955-9600 | Fax: (281) 955-0369 | E-mail: info@trpcorp.com | Internet: www emergency-response-planning com

TECHNICAL RESPONSE PLANNING CORPORATION

QUALITY SERVICES SINCE 1995

August 6, 2013

Vernon St. Peters, Terminal Manager
BP Wood River Terminal
1000 BP Lane
Hartford, IL 62048

RE: Facility Response Plan and Emergency Response Action Plan for the BP Products North America, Inc., U.S. Logistics Wood River Terminal (EPA FRP # FRP0500156)

Dear Mr. St. Peters:

Enclosed is one copy of the above referenced plans for your use. A copy of this plan has been submitted to the EPA for review and approval. The EPA will supply correspondence about approval or requested revisions to the Terminal. It is imperative that any correspondence from the EPA be supplied immediately to TRP to address any additional requests or post the approval.

If you have any questions please contact me at (281) 955-9600 ext. 115 or e-mail gdesmond@trpcorp.com.

Sincerely,
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond
Senior Project Manager

Federal Express

1610 Woodstead Court, Ste. 355 | The Woodlands, Texas 77380 | Office: (281) 955-9600 | Fax: (281) 955-0369 | E-mail: info@trpcorp.com | Internet: www emergency-response-planning com

TECHNICAL RESPONSE PLANNING CORPORATION

QUALITY SERVICES SINCE 1995

August 6, 2013

Jeff Piatt
BP Products North America, Inc., U.S. Logistics
1771 Saddlewood
O'Fallon, IL 62269

RE: Facility Response Plan and Emergency Response Action Plan for the BP Products North America, Inc., U.S. Logistics Wood River Terminal (EPA FRP # FRP0500156)

Dear Mr. Piatt:

Enclosed is one copy of the above referenced plans for your use. If you have any questions please contact me at (281) 955-9600 ext. 115 or e-mail gdesmond@trpcorp.com.

Sincerely,
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond
Senior Project Manager

Federal Express

1610 Woodstead Court, Ste. 355 | The Woodlands, Texas 77380 | Office: (281) 955-9600 | Fax: (281) 955-0369 | E-mail: info@trpcorp.com | Internet: www emergency-response-planning com

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

REPLY TO THE ATTENTION OF:

DEC 0 2 2013

SE-5J

Mr. Vernon St. Peters
BP Wood River Terminal
1000 BP Lane
Hartford, IL 62048

Re: Government Initiated Unannounced Exercise of FRP0500156

Dear Mr. St. Peters:

On November 13, 2013, representatives of the United States Environmental Protection Agency ("U.S. EPA") Region 5 conducted a Government Initiated Unannounced Exercise (GUIE) under the National Preparedness for Response Exercise Program (PREP) Guidelines at the BP Wood River Terminal, located at 1000 BP Lane, Hartford, Illinois. Enclosed are the findings of the exercise, which was conducted to evaluate the adequacy of your plan for spill response preparedness and implementation as set forth in Section 311 (j)(5) of the Clean Water Act, 33 U.S.C. Section 1321 (j)(5), and in U.S. EPA's Final Facility Response Plan regulation, published at 59 Federal Register 34070 on July 1, 1994, and codified at 40 C.F.R. Sections 112.20 and 112.21.

Due to the successful completion of this exercise, your facility is exempt from government initiated unannounced exercises for three years. Your facility may also take credit for the Qualified Individual (QI) notification exercise, the Emergency Procedures exercise, the Spill Management Team Tabletop exercise and the Equipment Deployment exercise.

If you have any specific questions regarding the enclosed checklist, please direct your questions to Alex Tzallas, FRP Coordinator, at (312)886-0622. Thank you for your cooperation in this matter.

Sincerely yours,

Mindy Clements, Chief
Emergency Response Branch 2
Superfund Division

Enclosures - GUIE Checklist

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Recycled Paper (100% Post-Consumer)

U.S. ENVIRONMENTAL PROTECTION AGENCY
Government-Initiated Unannounced Exercise (GIUE) Implementation Checklist

Facility Information			
Facility ID			
Facility Response Plan (FRP) ID	FRP0500156		
Facility Name	BP Wood River Terminal		
Address	1000 BP Lane		
City	Hartford	State: IL	ZIP: 62048
Evaluators	A. Tzallas & S. Calovich		
Date:	November 13, 2013	Start Time: 9:35 am	End Time: 10:50 pm

Notifications			
112.20(h)(1)(ii); 112.20(h)(3)(iii); 112 Appendix F, 1.3; 112 Appendix F, 1.7.1	Was notification list used?	Yes	
112.20(h)(1)(ii); 112.20(h)(3)(iii); 112 Appendix F, 1.3; 112 Appendix F, 1.7.1	Did notification list include contacts identified in the Facility Response Plan?	Yes	
112.20(h)(1)(ii); 112.20(h)(3)(iii); 112 Appendix F, 1.3; 112 Appendix F, 1.7.1	Was State spill notification number utilized?	Yes	
112 Appendix F, 1.3(2)	Was National Response Center (NRC) notified?	Yes	
112.20(h)(1)(ii); 112.20(h)(3)(iii); 112 Appendix F, 1.3; 112 Appendix F, 1.7.1	Who conducted notifications?	□ Yes □ No	Dianne Selhime
112.20(h)(1)(ii); 112.20(h)(3)(iii); 112 Appendix F, 1.3; 112 Appendix F, 1.7.1	Was notification list accurate and up to date? Indicate changes needed.	Yes	
112 Appendix F, 1.1	Was the FRP available on the premises?	Yes	

Notifications			
N/A	Was facility able to answer incoming calls from notified agencies during exercise?	N/A	

Additional Comments

Jarrett (OSRO) @ 9:40 am
Heritage (OSRO) @ 9:41 am
Police Department @ 9:45 am
Fire Department @ 9:45 am
NRC @ 9:45 am (Brett)
Marathon (Neighbor) @ 9:50 am
Conoco Phillips Refinery @ 10:04 am
US EPA Region 5 @10:22 am
US Coast Guard @ 10:25 am
IL EMA @ 10:25 am
LEPC @ 10:27 am

Did the facility meet the notifications objective?	**Successful**

Containment Boom Arrival/Subsequent Successful Deployment			
112 Appendix E, 3.3.1	Was sufficient containment boom and means for deployment on scene within one hour of spill? If not, was the planning standard for arrival in one hour met? (For example, if boom is 17 miles away, notification and mobilization must be completed in 30 min.).[1]	Yes	
112 Appendix E, 3.1	Was response staff mobilization timely and complete for containment?	Yes	
112 Appendix E, 2.6; 3.1	Was contractor mobilization timely for containment?[2]	Yes	
112 Appendix E, 2.6; 3.1	Number of persons involved during response actions?	□ Yes □ No	Approximately 15
112 Appendix F, 1.7.1; 1.7.1.2A	Was the source of the release controlled?	Yes	
112 Appendix E, 2.0; 3.0	Equipment used to control the release: X Hard boom □ Sorbent Boom □ Sorbent Pads □ Manhole Cover □ Dirt Dike X Other (describe) Vac Trucks	□ Yes □ No	
112 Appendix E, 2.0; 3.0	How was the release contained?	□ Yes □ No	Booming a Ditch

[1] *For USCG exercise requirements, please see* ***the National Preparedness for Response Exercise Program (PREP) Guidelines****, page 2-13.*
[2] For USCG exercise requirements, please see the National Preparedness for Response Exercise Program (PREP) Guidelines; pages 2-12, 2-13 and 2-14.

Containment Boom Arrival/Subsequent Successful Deployment			
112 Appendix E, 3.3.1	Were diversions used to funnel oil to areas where containment measures were activated?	No	
Additional Comments			
Did the facility meet the boom arrival and deployment objective?		**Successful**	

Arrival of Oil Recovery Devices and Subsequent Successful Operation/Simulated Recovery			
112 Appendix E, 2.0; 3.0	Were oil recovery devices available within two hours of discovery of the spill?	Yes	
112 Appendix E, 2.0; 3.0	Did the oil recovery devices have an effective recovery capacity equal to the amount of oil released in a small discharge?	Yes	
112 Appendix E, 2.0; 3.0	Were recovery devices (such as skimmers) deployed to the site with a vacuum truck or pump, ready to start oil recovery? (Note: actual pumping of water is not required).	Yes	
112 Appendix E, 3.1	Was response staff mobilization timely and complete for recovery?	Yes	
112 Appendix E, 2.0; 3.0	Was contractor mobilization timely for recovery?	Yes	
112 Appendix E, 2.0; 3.0	Was recovery equipment available? List: X Vacuum Truck (size and number?) □ Skimmers (type and number?) □ Other:_____	□ Yes □ No	
112 Appendix E, 2.0; 3.0	Was recovery equipment in good working order? List problems encountered: □ Vacuum Trucks □ Skimmers □ Other:_____	Yes	
Additional Comments			
Did the facility meet the recovery device and successful simulated recovery objective?		**Successful**	

Demonstrating Availability of Adequate Storage Capacity

Demonstrating Availability of Adequate Storage Capacity			
112 Appendix E, 3.0; 12.2	Were provisions made for the storage of recovered oil, oily material, water and debris?	N/A	
112 Appendix E, 3.0; 12.2	Was oil storage capacity for recovered oily material equivalent to twice the effective daily recovery capacity required on-scene? (Note: if the daily recovery capacity of oil recovery devices is not known, use twice the spill volume, or 4,200 gallons).	N/A	
112 Appendix F, 1.7.1; 1.7.1.2A	Was the threat of further discharge addressed? Please describe._____	N/A	
112 Appendix E, 2.0; 3.0	Was the equipment in good working order?	N/A	
Additional Comments			
Did the facility meet the storage capacity objective?		**N/A**	

Properly Conducting the Exercise Considering the Size of a Small Spill			
112.20(h)(1); 112.20(h)(3)	Who performed the initial assessment?		Terminal Manager
112.20(h)(1); 112.20(h)(3); 112.20(h)(3)(ix)	Were environmental monitoring methods used for initial discharge assessment? (indicate method)	Yes	Air Monitoring
112.20(h)(1); 112.20(h)(3); 112.20(h)(3)(ix)	What type of product was involved?		Diesel
112.20(h)(1); 112.20(h)(3); 112.20(h)(3)(ix)	What type of tanks/vessels were involved?		Truck overturned at facility entrance
112.20(h)(1); 112.20(h)(3); 112.20(h)(3)(ix)	Was a release quantity obtained?	Yes	2100 gallons
112.20(h)(1); 112.20(h)(3); 112.20(h)(3)(ix)	Was current spill location and trajectory determined initially and throughout the exercise?	Yes	
112.20(h)(1); 112.20(h)(3); 112.20(h)(3)(ix)	Were risks to the environment, business, and public services determined?	Yes	
112.20(h)(1); 112.20(h)(3); 112.20(h)(3)(ix)	Did the Qualified Individual identify the resources needed to respond to the incident?	Yes	

Properly Conducting the Exercise Considering the Size of a Small Spill			
N/A	Were additional response resources needed beyond those listed in the Facility Response Plan?	No	
Additional Comment:			
Did the facility properly conduct the exercise, considering the size of a small spill?		**Successful**	

Exercise Safety			
N/A	Did specific conditions exist that resulted in safety hazards?	Yes	
N/A	Was the safety issue immediately corrected? Did its significance not warrant failure of the exercise?	Yes	
N/A	Did the facility continue the exercise, with the safety situation factored into the exercise evaluation?	Yes	
N/A	Did these conditions lead to the termination of the exercise?	No	
N/A	Were the conditions caused by the actions of the facility representatives or exercise evaluators?		OSRO
Additional Comments OSRO responders were using hammers to hammer in the anchor/stakes. The action was immediately corrected by using a pile driver to hammer in stakes.			

Chronology of Exercise			
FRP Section	**Activity**	**Time**	**Cumulative**
	Start of exercise	9:35 am	1:15
112.20(h)(1)(ii); 112.20(h)(3)(iii); 112 Appendix F, 1.3; 112 Appendix F, 1.7.1	Notifications were initiated	9:35 am	
112 Appendix F, 1.3(2)	NRC was notified	9:45 am	
N/A	Notifications were complete	10:27 am	
112 Appendix E, 2.6; 3.1	Facility responders arrived on scene	9:55 am	

Chronology of Exercise			
112 Appendix E, 2.6; 3.1	Contractor arrived on site	9:45 am	
112 Appendix F, 1.7.1; 1.7.1.2A	Source of release is controlled	10:25 am	
112 Appendix E, 2.0; 3.0	Oil recovery devices were available	9:59 am	
112 Appendix E, 4.6, 9.6 and 12.2	Temporary storage was available	N/A	
112 Appendix E, 3.3.1	Sufficient containment boom and means for deployment arrived on scene	Yes	
112 Appendix F, 1.7.1; 1.7.1.2A	Release was controlled	10:25 am	
112 Appendix F, 1.7.1	Response actions were completed	10:26 am	
Comments			

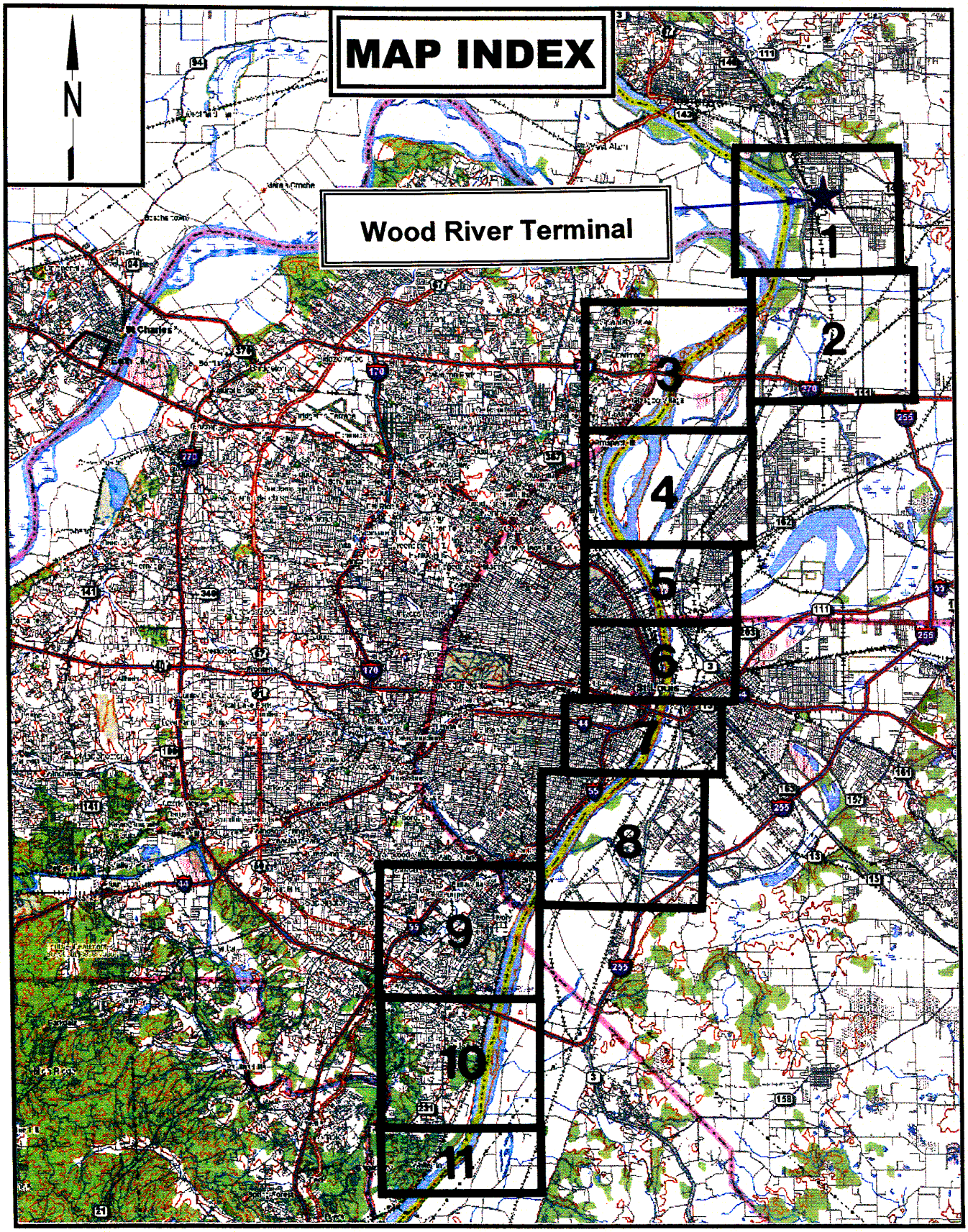
Overall Government-Initiated Unannounced Exercise	
If exercise was not successful, indicate which condition(s) applied?[3]	
☐	The plan holder could not properly implement its response plan.
☐	Response resources were not available or not in operating condition.
☐	Response personnel were not adequately trained in implementing the response plan.

Additional Comments:

1) The OSRO was deployed to the facility. It is recommended that the OSRO directly to the spill location.
2) The plug for the culvert was to small. It is recommended to have a plug that is the appropriate size, along with air to fill the plug.
3) Make sure that the entire notification list is called to make sure phone numbers are current.
4) Facility is to be commended for calling industry neighbors.

Did the facility succeed in the overall exercise?	**Successful**

[3] *Please see the National Preparedness for Response Exercise Program (PREP) Guidelines, page 2-12.*



RESPONSE MANAGEMENT ASSOCIATES

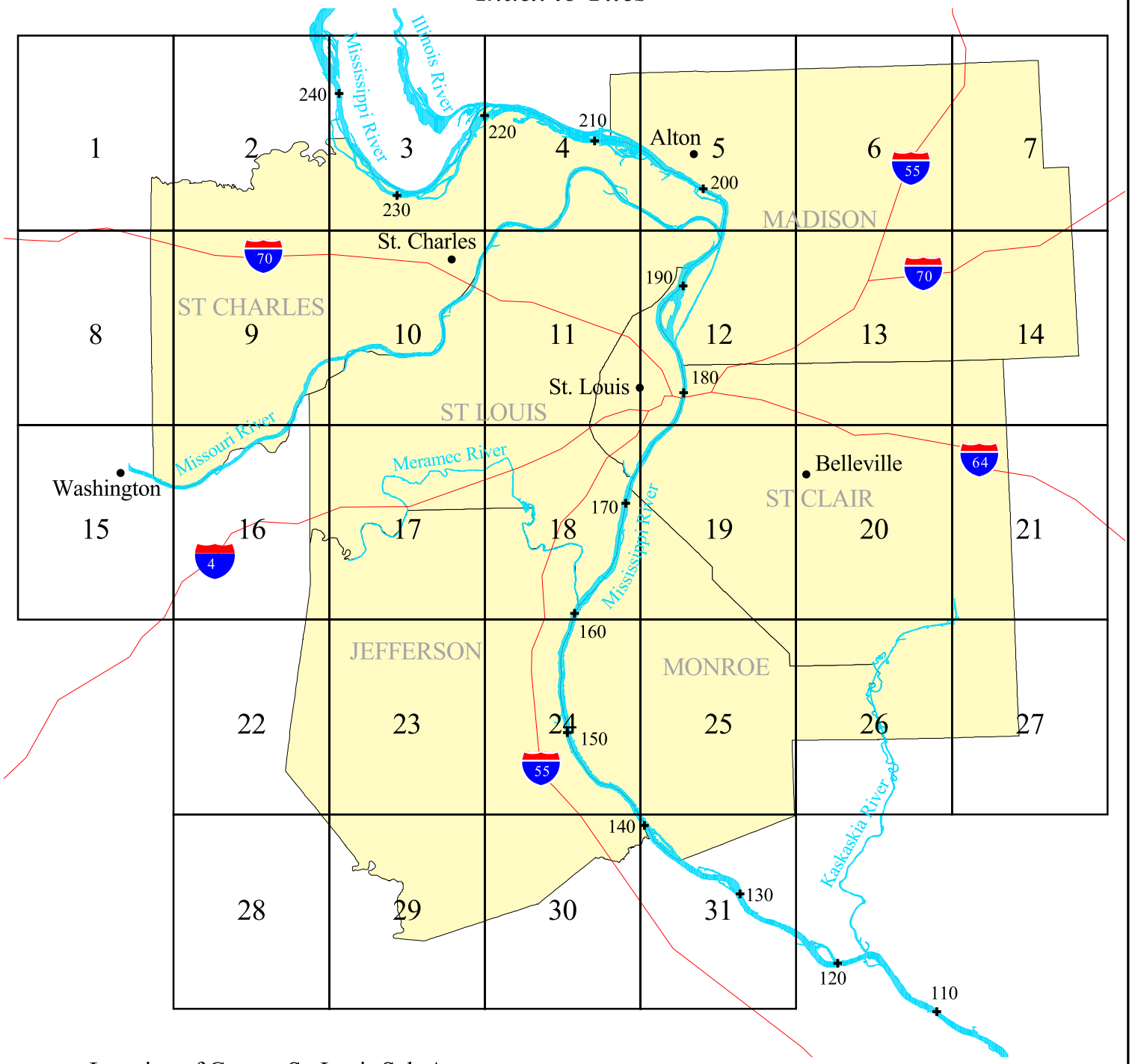
0 5 10

1.25 inches = 5 miles

Maps and figures have been redacted in accordance with the FOIA Exemption 7(F).

Greater St. Louis Sub-Area

Index to Tiles



Location of Greater St. Louis Sub-Area



Tile numbers refer to detailed maps contained within this atlas

N

Miles

10 0 10 20 30

10 0 10 20 30 40

Kilometers

MAP LEGEND

SENSITIVE SPECIES

Aquatic/Riparian Zone

- Vascular Plants
- Birds
- Amphibians and Reptiles
- Mammals
- Invertebrates
- Fish
- Natural Communities

Terrestrial Zone

- Vascular Plants
- Birds
- Amphibians and Reptiles
- Mammals
- Invertebrates
- Natural Communities
- Multiple Species Groupings

Icons Indicating Threatened or Endangered Status

NATURAL RESOURCE AREAS

- F — Federal Managed Areas
- S — State Managed Areas
- R — Regional Managed Areas
- P — Private Managed Areas
- O — Other Environmentally Sensitive Aquatic Areas
- O — Other Environmentally Sensitive Terrestrial Areas

- F — Federal Designated Areas
- S — State Designated Areas
- R — Regional Designated Areas
- P — Private Designated Areas

- T — Tribal Land

OTHER SENSITIVE RESOURCES

- Marina
- Navigational Lock and Dam
- Water Intake (nonpotable)
- Water Intake (potable)

POTENTIAL SPILL SOURCES

- Fixed Oil Storage Facility
- Marine Transfer Facility and/or Facility with more than 1 million gallons
- Pipeline

RESPONSE CONSIDERATIONS

- Ⓐ Boat Access
- Ⓓ Non- navigational Dam

BOUNDARY DESIGNATIONS

- County Boundary
- EPA/Coast Guard Jurisdictional Boundary
- Pipeline Inset Boundary

Tile 5

Sensitive Species[1] *For a complete listing of all sensitive species mapped in this atlas, please refer to Appendix B.*

Listing	Contact Agency	Emergency Telephone	Contact Telephone
Federal	USFWS, Rock Island Field Office, Mike Coffey	**800-800-5923 to page 612-660-9062 (Stan Smith, Reg. 3 Spill Coordinator)**	309-793-5800, ext. 515
State (IL)	IL DNR, Natural Heritage Program	**217-782-7860**	217-785-8774
	IL DNR, Biologist for Madison County	**--**	618-462-1181
	IL DNR, Biologist for Monroe and St. Clair Counties	**--**	618-931-6251
State (MO)	MO Department of Conservation - Natural History Section	**888-216-7168 (page) or 573-882-9880 (business hrs)**	573-751-4115, ext. 639

Managed Areas

Icon	Managed Area Name	Managing Agency	Waterbody	Emergency #	Contact #	Comments
F8231	**Maple Island** - Ecologic Area	USACE, St. Louis District	Mississippi River	**636-899-1543**	636-899-2600, ext. 228	
F8234	**Environmental Demonstration Area** - Vegetative Management Area	USACE, St. Louis District	Mississippi River	**636-899-1543**	636-899-2600, ext. 228	
F8235	**Brickhouse Slough-Spatterdock Lake** - Vegetative Management Area	USACE, St. Louis District	Mississippi, Brickhouse Slough, Spatterdock Lake	**636-899-1543**	636-899-2600, ext. 228	Backwater - floodplain wetland complex.
F8238	**Great Rivers Museum Area** - other	USACE, St. Louis District	Mississippi River	**636-899-1543**	636-899-2600, ext. 228	
S4072	**Upper Mississippi** - State Conservation Area	MO DOC, Wildlife Unit	Mississippi River	**888-216-7168; 573-882-9880**	573-882-9880	
S4221	**Upper Mississippi Waterfowl Area** - Waterfowl Area	MO DOC, Wildlife Unit	Mississippi River	**888-216-7168; 573-882-9880**	573-882-9880	Waterfowl area
S8228	**Columbia Bottoms** - State Conservation Area	MO DOC	Mississippi River	**888-216-7168; 573-882-9880**	573-882-9880	

Designated Areas

Icon	Site Name	DesignatingAgency	Waterbody	Emergency #	Contact #	Comments
S7	**Cahokia Creek** - State Designated Resource Stream	IL DNR, Watershed Mgmt. Section	Cahokia Creek	**217-782-7860**	217-785-5907; 618-993-7200	B Class Stream - Biological Classification Contact#s: 1) David Day, IL DNR, 2) Bob Hite, IEPA
S985	**John M. Olin** - Nature Preserve	IL Nature Preserves Commission	Mississippi River, unnamed stream	**217-782-7860**	618-995-2658	Contact#: IL Nature Preserves Commission. Formerly owned by S. IL University - Edwardsville.
S993	**Mississippi Sanctuary** - Nature Preserve	IL Nature Preserves Commission	Mississippi River, unnamed stream	**217-782-7860**	217-785-8686	

Continued on next page

[1] 2000 IL Natural Heritage Data provided by the IL Department of Natural Resources, Division of Natural Heritage.
To simplify the maps, rare species and most natural communities are represented at "point locations". As such, the hexagons DO NOT represent the full extent of any species or community occurrence. In particular, it should be assumed that mobile species likely occur throughout suitable habitat in the vicinity of the point representation.
Note: Sensitive species data were not available for the State of Missouri.

Tile 5, continued

Designated Areas, continued

Icon	Site Name	DesignatingAgency	Waterbody	Emergency #	Contact #	Comments
S994	**Oblate Father's Woods** - Nature Preserve	IL Nature Preserves Commission	Mississippi River, unnamed stream	**217-782-7860**	217-785-8686	
S3303	**Piasa Creek** - State Designated Resource Stream	IL DNR, Watershed Mgmt. Section	Piasa Creek	**217-782-7860**	217-785-5907; 618-993-7200	B Class Stream - Biological Classification Contact#s: 1) David Day, IL DNR, 2) Bob Hite, IEPA
S7856	**Dresser Island** - Habitat Rahabilitation and Enhancement Project	MO DOC	Mississippi River	**888-216-7168; 573-882-9880**	573-882-9880	Habitat improvement site: wetland and backwater areas

Marinas

Icon	Marina	Address	Waterbody, River Mile	Slips	Fuel	Emergency #	Contact #
M202	**Harbor Point Yacht Club (private)**	280 Jamie Circle, West Alton MO	Mississippi River, 204.5 RDB	226	N	**636-899-1333**	636-899-1513
M490	**Alton Marina**	#1 Henry St, Alton IL	Mississippi River, 202.9 LDB	245	Y	**618-463-3505**	618-462-9860

Navigation Locks and Dams

Icon	Lock and Dam Name	Address	Waterbody, River Mile	Emergency #	Contact #

(b) (7)(F)

[redacted]

Oil Storage Facilities

Icon	Facility Name, Operator	Address	Waterbody	Response Plan	Marine Transfer	Products	Emergency #	Contact #
#136	**Koch Pipe Line - Hartford Terminal,** Koch Pipe Line Co., L.P	480 Robbins Rd, Hartford IL	Mississippi River, 195.9 LDB	Y	N	crude oil	**800-688-7594**	618-251-5850

Continued on next page

Tile 5, continued

Oil Storage Facilities, continued

Icon	Facility Name, Operator	Address	Waterbody	Response Plan	Marine Transfer	Products	Emergency #	Contact #
#137	**Marathon Pipe Line Co.,** Marathon Pipe Line Co.	S 6th St, Hartford IL	Mississippi River, 198.0 LDB	Y	Y	crude oil, petroleum products	**800-537-6644; 618-254-6622**	618-254-1112
#139	**Premcor Refining Group, Inc.,** Premcor Refining Group, Inc.	201 E Hawthorne St, Hartford IL	Mississippi River, 197.2 LDB	Y	Y	petroleum products	**618-254-7301**	618-254-7301
#140	**Tosco Wood River Refinery,** Tosco Wood River Refining Co.	Route 111 & Madison Ave, Wood River IL	Mississippi River, 196.8 LDB	Y	Y	asphalt, crude oil, other petroleum	**618-255-2345; 618-255-3375**	618-255-2737
#142	**Economy Boat Store,** Economy Boat Store	200 S Amoco Cutoff, Wood River IL	Mississippi River, 197.9 LDB	N	N	fuel oil, lube oil	**618-254-4333**	618-254-4333
#144	**Archer Daniels Midland Co.,** Archer Daniels Midland Co.	1101 W Broadway, Alton IL	Mississippi River, 203.9 LDB	Y	N	corn oil, soybean oil	**618-782-6254**	800-447-2302
#284	**BP Amoco Wood River Terminal,** Amoco Oil Co.	301 Evans Ave, Wood River IL	Mississippi River, 198.0 LDB	Y	N	petroleum products	**800-424-9300**	618-254-0695
#346	**Center Terminal Co.,** Center Terminal Co.	1402 S Delmar Ave, Hartford IL	Mississippi River, 195.9 LDB	Y	N	petroleum products	**618-463-6871**	618-254-0603
#354	**Hartford Wood River Terminal, Inc.,** Piasa Motor Fuels, Inc.	900 N Delmar, Hartford IL	Mississippi River, 197.3 LDB	Y	N	petroleum products	**618-254-4612**	618-254-4612
#363	**Thomas Oil Co.,Inc.,** Jerry Thomas	300 S Old St Louis Rd, Wood River IL	Mississippi River, 198.2 LDB	Y	N	petroleum products	**618-466-8195**	618-254-0611
#656	**Explorer Wood River Station,** Explorer Pipeline Co.	1355 Robins Rd, East Alton IL	Mississippi River, 196.1 LDB	Y	N	gasoline, jet fuel, fuel oil	**888-876-0036**	618-251-0262

Oil and Oil Product Pipelines

Icon	System Name	Co. Name	# Pipes	Diameters	Products	Emergency #	Contact #
PL4	**Glenpool to Wood River to Hammond**	Explorer Pipeline Co.	1	24-inch	Refined Products	**888-876-0036**	918-493-5153
PL5	**Wood River Line**	Koch Pipeline Co.	1	20-inch	Crude Oil	**800-688-7594**	612-480-3827
PL7	**Monte to Wood River**	Marathon Ashland Pipeline, LLC	2	12-inch, 22-inch	Crude Oil	**800-537-6644**	419-421-3587
PL10	**Ozark 22-inch**	Equilon Pipeline Co.	2	22-inch, 22-inch	Crude Oil	**800-634-4325**	918-223-2402 918-223-6248
PL15	**St. Louis Pipeline**	St. Louis Pipeline Co.	3	4-inch, 6-inch, 8-inch	Refined Products	**618-251-4701; 618-588-3640 (h)**	618-251-4701
PL22	**Madisonville to Wood River**	Amoco Pipeline Co.	2	12-inch, 12-inch	Refined Products	**800-548-6482**	630-836-5315
PL24	**ATF 10-inch Line**	Equilon Pipeline Co.	2	10-inch, 10-inch	Refined Products	**800-634-4325**	314-752-0144 ext. 225

Continued on next page

Tile 5, continued

Oil and Oil Product Pipelines, continued

Icon	System Name	Co. Name	# Pipes	Diameters	Products	Emergency #	Contact #
PL25	**STL 6-inch Line**	Equilon Pipeline Co.	1	6-inch	Refined Products	**800-634-4325**	314-752-0144 ext. 225
PL26	**Wood River**	Conoco Pipeline Co.	2	10-inch, 10-inch	Refined Products	**800-231-2551**	580-767-6236
PL28	**Airport Line**	Conoco Pipeline Co.	1	10-inch	Refined Products	**800-231-2551**	580-767-6236
PL29	**14-inch- Line**	Explorer Pipeline Co.	1	14-inch	Refined Products	**888-876-0036**	918-493-5153
PL30	**Old Arco Line**	Williams Energy Services	2	8-inch, 8-inch	Idle	**800-331-4020**	918-586-7160
PL31	**Barge Dock to Wood River**	Marathon Ashland Pipeline, LLC	3	10-, 10-, and 14-inch	Refined Products	**800-537-6644**	419-421-3587
PL33	**Wood River to Champaign**	Marathon Ashland Pipeline, LLC	1	12-inch	Refined Products	**800-537-6644**	419-421-3587
PL34	**Wood River to Martinsville**	Marathon Ashland Pipeline, LLC	1	8-inch, 10-inch	Refined Products	**800-537-6644**	419-421-3587
PL35	**Wood River to Roxana to Patoka**	Marathon Ashland Pipeline, LLC	1	24-inch	Crude Oil	**800-537-6644**	419-421-3587
PL36	**Wood River to Center Terminal**	Marathon Ashland Pipeline, LLC	1	8-inch	Refined Products	**800-537-6644**	419-421-3587
PL37	**Wood River to East St. Louis**	Marathon Ashland Pipeline, LLC	1	8-inch	Refined Products	**800-537-6644**	419-421-3587
PL38	**Hartford Terminal to Wood River Terminal**	Marathon Ashland Pipeline, LLC	1	8-inch	Refined Products	**800-537-6644**	419-421-3587
PL64	**Capwood 20-inch**	Equilon Pipeline Co.	1	20-inch	Crude Oil	**800-634-4325**	618-432-5730
PL66	**Eastline 12-inch**	Equilon Pipeline Co.	1	12-inch	Refined Products	**800-634-4325**	618-255-2924
PL67	**Northline 14-inch**	Equilon Pipeline Co.	1	14-inch	Refined Products	**800-634-4325**	618-255-2924
PL80	**Former Gulf Central Line**	Koch Pipeline Co.	1	8-inch, 6-inch	Anhydrous Ammonia	**800-688-7594**	612-480-3827

Tile 12

Sensitive Species[1] *For a complete listing of all sensitive species mapped in this atlas, please refer to Appendix B.*

Listing	Contact Agency	Emergency Telephone	Contact Telephone
Federal	USFWS, Rock Island Field Office, Mike Coffey	**800-800-5923 to page 612-660-9062 (Stan Smith, Reg. 3 Spill Coordinator)**	309-793-5800, ext. 515
State (IL)	IL DNR, Natural Heritage Program	**217-782-7860**	217-785-8774
	IL DNR, Biologist for Madison County	--	618-462-1181
	IL DNR, Biologist for Monroe and St. Clair Counties	--	618-931-6251
State (MO)	MO Department of Conservation - Natural History Section	**888-216-7168 (page) or 573-882-9880 (business hrs)**	573-751-4115, ext. 639

Managed Areas

Icon	Managed Area Name	Managing Agency	Waterbody	Emergency #	Contact #	Comments
F4290	**Jefferson Expansion Memorial** - National Park	NPS	Mississippi River	**800-759-4726; 202-273-3431**	314-655-1700	Emerg#s: 1)24 hour pager, enter PIN# 4190092, 2) business hours. Washington DC spill coordinator. Site includes Museum of Westward Expansion, 630 ft. stainless steel arch, with tram.
F8239	**American Bottoms Ecologic Area** - Environmentally Sensitive Floodplain	USACE, St. Louis District	Chain of Rocks Canal	**636-899-1543**	636-899-2600, ext. 228	
S953	**Horseshoe Lake** - State Park	IL DNR, Land Management	Horseshoe Lake	**217-782-7860**	618-931-0270	Woodland period artifacts. Birding trail. Recreational facilities.
S4023	**Bellefontaine** - State Conservation Area	MO DOC, Wildlife Unit	unnamed streams	**888-216-7168; 573-882-9880**	573-882-9880	
S6764	**Frank Holten** - State Park	IL DNR, Land Management	Whispering Willow, Grand Marais Lakes	**217-782-7860**	618-874-7920	Urban park, originally called Grand Marais. Recreational facilties. Common wildlife species.
S8228	**Columbia Bottoms** - State Conservation Area	MO DOC	Mississippi River	**888-216-7168; 573-882-9880**	573-882-9880	

Designated Areas

Icon	Site Name	DesignatingAgency	Waterbody	Emergency #	Contact #	Comments
S7	**Cahokia Creek** - State Designated Resource Stream	IL DNR, Watershed Mgmt. Section	Cahokia Creek	**217-782-7860**	217-785-5907; 618-993-7200	B Class Stream - Biological Classification Contact#s: 1) David Day, IL DNR, 2) Bob Hite, IEPA
S995	**E. Dora Bohm Memorial** - Nature Preserve	IL Nature Preserves Commission	none	**217-782-7860**	217-785-8686	Contact# is IL Nature Preserves Commission
S6600	**William and Emma Bohm Mem.** - Nature Preserve	IL Nature Preserves Commission	none	**217-782-7860**	217-785-8686; 217-785-8686	Remnant native ecosystem-upland forest

Continued on next page

[1] 2000 IL Natural Heritage Data provided by the IL Department of Natural Resources, Division of Natural Heritage.
To simplify the maps, rare species and most natural communities are represented at "point locations". As such, the hexagons DO NOT represent the full extent of any species or community occurrence. In particular, it should be assumed that mobile species likely occur throughout suitable habitat in the vicinity of the point representation.
Note: Sensitive species data were not available for the State of Missouri.

Tile 12, continued

Navigation Locks and Dams

Icon	Lock and Dam Name	Address	Waterbody, River Mile	Emergency #	Contact #
LD27	**Locks #27**	3291 W 20th St, Granite City IL	Chain of Rocks Canal, Mississippi River, 185.5	**636-452-7107**	618-452-7107

(b) (7)(F)



Tile 12, continued

Oil Storage Facilities

Icon	Facility Name, Operator	Address	Waterbody	Response Plan	Marine Transfer	Products	Emergency #	Contact #
#132	**Petroleum Fuel and Terminal Co., Granite City,** Petroleum Fuel & Terminal Co. (Apex Oil Co.)	2801 Rock Rd, Granite City IL	Mississippi River, Chain of Rocks Canal, 187.0 LDB	Y	Y	#2 and 6 oils, soybean oil, asphalt	**618-452-4195**	618-452-4195
#133	**Conoco Pipe Line Co.,** Conoco, Inc.	2150 S Delmar St, Hartford IL	Mississippi River, 195.5 LDB	Y	N	petroleum products	**800-231-2551**	618-251-2787
#164	**Kiesel Marine Service,** City of St. Louis	1 Branch St, St. Louis MO	Mississippi River, 182.2 RDB	Y	Y	diesel, kerosene, petroleum products	**314-421-0328**	314-421-0328
#165	**Petroleum Fuel and Terminal Co., St. Louis,** Petroleum Fuel and Terminal Co. (Apex Oil Co.)	Foot of Mullanphy, St. Louis MO	Mississippi River, 180.9 RDB	Y	Y	petroleum products, diesel fuel	**314-621-0789**	314-621-0789
#166	**Petroleum Fuel and Terminal Co., E St. Louis,** Petroleum Fuel and Terminal Co. (Apex Oil Co.)	25 B St, East St. Louis IL	Mississippi River, 180.1 LDB	Y	Y	petroleum products	**314-621-0789; 314-621-0522**	314-621-0789
#167	**Supply St. Louis Inc.,** Fuel St. Louis, Midko Oil Co.	Foot of Gratiot St, St. Louis MO	Mississippi River, 179.0 RDB	N	N	petroleum, diesel fuel, lubricating oil	**314-421-3962 (h)**	314-421-3962
#285	**National Steel Granite City Division,** National Steel Corp., Inc.	20th and State St, Granite City IL	Mississippi River, Chain of Rocks Canal, 183.5 LDB	Y	N	fuel oil, gasoline, diesel	**618-451-3756**	618-451-3013
#293	**Equilon St. Louis North Terminal,** Equilon Enterprises, LLC	239 E Prairie Ave, St. Louis MO	Mississippi River, 183.9 RDB	Y	N	refined petroleum products	**314-231-1704; 314-231-2000**	314-231-2000
#350	**Archer Daniels Midland Co.,** Archer Daniels Midland Co.	3601 Cargill Rd, Granite City IL	Horseshoe Lake	Y	N	petroleum products (fuel oil)	**618-583-0156 (pager)**	618-931-8249
#351	**Ethyl Petroleum Additives, Inc.,** Ethyl Petroleum Additives, Inc.	501 Monsanto Ave, Sauget IL	Mississippi River, 178.3 LDB	N	N	petroleum based additives	**618-583-1000**	618-583-1000
#357	**Solutia WG Krummrich Plant,** Monsanto Corp.	500 Monsanto Ave, Sauget IL	Mississippi River, 178.4 LDB	N	N	diesel	**618-271-5835**	618-271-5835 618-482-6444
#368	**Venice Power Plant,** Ameren UE	Main St & Mckinley Bridge, Venice IL	Mississippi River, 182.4 LDB	Y	N	#2 fuel oil, gasoline, diesel	**314-554-2683**	314-992-8033
#371	**Resource Recovery Group,** Resource Recovery Group	1 Mobile St, Sauget IL	Mississippi River, 177.9 LDB	Y	N	petroleum products	**800-313-1536 (pager)**	618-271-0467
#374	**Onyx Environmental Services,** Onyx Environmental Services	7 Mobile Ave, Sauget IL	Mississippi River, 178.0 LDB	N	N	petroleum products	**618-271-2804**	618-271-2804
#501	**Continental Grain Co.,** Continental Grain Co.	430 S Front, East St. Louis IL	Mississippi River	N	N	diesel fuel #2	**618-271-7940**	618-271-7940

Continued on next page

Tile 12, continued

Oil Storage Facilities, continued

Icon	Facility Name, Operator	Address	Waterbody	Response Plan	Marine Transfer	Products	Emergency #	Contact #
#508	**Reilly Industries, Inc.,** Bryant Buecher	1450 Edwardsville Rd, Granite City IL	Mississippi River, Chain of Rocks Canal, 184.2 LDB	N	N	coal tar, heavy oil, creosote oil	**618-452-3141**	618-452-3141
#510	**Alton Southern Railway Co.,** Alton Southern Railway Co.	1000 S 22nd St, East St. Louis IL	Mississippi River, 178.6 LDB	N	N	diesel fuel	**618-482-3232**	618-482-3232
#511	**Spectrulite Consortium Inc.,** Spectrulite Consortium Inc.	1001 College St, Madison IL	Mississippi River, 182.6 LDB	N	N	fuel oil #2, gasoline	**618-452-5190**	618-452-5190
#512	**Terminal Railroad/Madison Yard,** Terminal Railroad/Madison Yard	1201 McKinley, Venice IL	Mississippi River, 183.0 LDB	N	N	diesel fuel, lubricating oil, waste oil	**618-451-8406**	618-451-8406
#519	**AKZO Nobel Resins,** AKZO Nobel Resins	2904 Missouri Ave, East St. Louis IL	Mississippi River, 179.3 LDB	N	N	butyl acetate, toluene, other oil products	**618-271-6601**	618-271-6601
#636	**Conoco Lubricants Hartford,** Conoco, Inc.	2300 S Delmar, Hartford IL	Mississippi River, 195.5 LDB	Y	N	refined base oils	**618-251-2809**	618-251-2815
#1081	**Trigen Ashley Plant,** Trigen - St. Louis Energy Corp.	1 Ashley Pl, St. Louis MO	Mississippi River, 180.5 RDB	N	N	fuel oil, gasoline, diesel	**314-621-3550 ext. 129**	314-621-3550
#1083	**Dynegy Midwest Generation Inc.,** Dynegy Midwest Generation, Inc.	State Rt 162, Granite City IL	Long Lake	N	N	turbine oil, transformer oil, diesel fuel	**618-462-9251**	217-872-3615

Oil and Oil Product Pipelines

Icon	System Name	Co. Name	# Pipes	Diameters	Products	Emergency #	Contact #
PL15	**St. Louis Pipeline**	St. Louis Pipeline Co.	3	4-inch, 6-inch, 8-inch	Refined Products	**618-251-4701; 618-588-3640 (h)**	618-251-4701
PL24	**ATF 10-inch Line**	Equilon Pipeline Co.	2	10-inch, 10-inch	Refined Products	**800-634-4325**	314-752-0144 ext. 225
PL25	**STL 6-inch Line**	Equilon Pipeline Co.	1	6-inch	Refined Products	**800-634-4325**	314-752-0144 ext. 225
PL26	**Wood River**	Conoco Pipeline Co.	2	10-inch, 10-inch	Refined Products	**800-231-2551**	580-767-6236
PL28	**Airport Line**	Conoco Pipeline Co.	1	10-inch	Refined Products	**800-231-2551**	580-767-6236
PL29	**14-inch- Line**	Explorer Pipeline Co.	1	14-inch	Refined Products	**888-876-0036**	918-493-5153
PL33	**Wood River to Champaign**	Marathon Ashland Pipeline, LLC	1	12-inch	Refined Products	**800-537-6644**	419-421-3587
PL37	**Wood River to East St. Louis**	Marathon Ashland Pipeline, LLC	1	8-inch	Refined Products	**800-537-6644**	419-421-3587

Tile 18

Sensitive Species[1] *For a complete listing of all sensitive species mapped in this atlas, please refer to Appendix B.*

Listing	Contact Agency	Emergency Telephone	Contact Telephone
Federal	USFWS, Rock Island Field Office, Mike Coffey	**800-800-5923 to page 612-660-9062 (Stan Smith, Reg. 3 Spill Coordinator)**	309-793-5800, ext. 515
State (IL)	IL DNR, Natural Heritage Program	**217-782-7860**	217-785-8774
	IL DNR, Biologist for Madison County	--	618-462-1181
	IL DNR, Biologist for Monroe and St. Clair Counties	--	618-931-6251
State (MO)	MO Department of Conservation - Natural History Section	**888-216-7168 (page) or 573-882-9880 (business hrs)**	573-751-4115, ext. 639

Managed Areas

Icon	Managed Area Name	Managing Agency	Waterbody	Emergency #	Contact #	Comments
S4043	**Phantom Forest** - State Conservation Area	MO DOC, Wildlife Unit	unnamed stream	**888-216-7168; 573-882-9880**	573-882-9880	
S4085	**Teszars Woods** - State Conservation Area	MO DOC, Wildlife Unit	Meramec River	**888-216-7168; 573-882-9880**	573-882-9880	
S4090	**Mastodon** - State Park	MO DNR, Historic Sites	Rock Creek	**573-634-2436**	636-464-2976	
S4227	**Powder Valley Conservation** - Nature Center	MO DOC, Wildlife Unit	unnamed stream	**888-216-7168; 573-882-9880**	573-882-9880	
S4234	**Possum Woods** - State Conservation Area	MO DOC, Wildlife Unit	unnamed stream	**888-216-7168; 573-882-9880**	573-882-9880	
S4240	**Claire Gempp Davidson Memorial** - State Wildlife Area	MO DOC, Wildlife Unit	none	**888-216-7168; 573-882-9880**	573-882-9880	

Designated Areas

Icon	Site Name	DesignatingAgency	Waterbody	Emergency #	Contact #	Comments
S31	**Fountain Creek** - State Designated Resource Stream	IL DNR, Watershed Protection	Fountain Creek	**217-782-7860**	217-785-5907; 618-993-7200	B Class Stream - Biological Classification Contact#s: 1) David Day, IL DNR, 2) Bob Hite, IEPA

Marinas

Icon	Marina	Address	Waterbody, River Mile	Slips	Fuel	Emergency #	Contact #
M690	**Meramec Marina**	13156 Old Gravois Rd, St. Louis MO	Meramec River, 12.0 LDB	60	Y	**314-544-3363**	636-326-9722; 314-843-4888

(b) (7)(F)

[redacted]

[1] 2000 IL Natural Heritage Data provided by the IL Department of Natural Resources, Division of Natural Heritage.
To simplify the maps, rare species and most natural communities are represented at "point locations". As such, the hexagons DO NOT represent the full extent of any species or community occurrence. In particular, it should be assumed that mobile species likely occur throughout suitable habitat in the vicinity of the point representation.
Note: Sensitive species data were not available for the State of Missouri.

Tile 18, continued

(b) (7)(F)



Oil Storage Facilities

Icon	Facility Name, Operator	Address	Waterbody	Response Plan	Marine Transfer	Products	Emergency #	Contact #
#173	**Chemtech Industries, Inc.,** HCI-Chemtech Industries, Inc.	139 E Soper St, St. Louis MO	Mississippi River, 173.7 RDB	N	N	petrochemicals, gasoline, solvents	**314-601-6847**	314-832-5010; 314-832-5048
#174	**Broadway Terminal Co.,** Broadway Terminal Co.	201 E Nagel, St. Louis MO	Mississippi River, 173.3 RDB	Y	N	asphalt	**314-481-0799; 314-589-8572 (pager)**	314-481-0799
#175	**J.D. Streett River Plant,** J.D. Streett Co., Inc.	1 River Rd, St. Louis MO	Mississippi River, 170.6 RDB	Y	Y	petroleum products, automotive fluids	**314-538-8264**	314-892-2958

Oil and Oil Product Pipelines

Icon	System Name	Co. Name	# Pipes	Diameters	Products	Emergency #	Contact #
PL9	**LRW1 Borger to Chicago**	Phillips Pipeline Co.	1	10-inch	Refined Products	**800-766-8690**	618-337-6066

Tile 19

Sensitive Species[1] *For a complete listing of all sensitive species mapped in this atlas, please refer to Appendix B.*

Listing	Contact Agency	Emergency Telephone	Contact Telephone
Federal	USFWS, Rock Island Field Office, Mike Coffey	**800-800-5923 to page 612-660-9062 (Stan Smith, Reg. 3 Spill Coordinator)**	309-793-5800, ext. 515
State (IL)	IL DNR, Natural Heritage Program	**217-782-7860**	217-785-8774
	IL DNR, Biologist for Madison County	--	618-462-1181
	IL DNR, Biologist for Monroe and St. Clair Counties	--	618-931-6251
State (MO)	MO Department of Conservation - Natural History Section	**888-216-7168 (page) or 573-882-9880 (business hrs)**	573-751-4115, ext. 639

Managed Areas

Icon	Managed Area Name	Managing Agency	Waterbody	Emergency #	Contact #	Comments
S6764	**Frank Holten** - State Park	IL DNR, Land Management	Whispering Willow, Grand Marais Lakes	**217-782-7860**	618-874-7920	Urban park, formerly Grand Marais. Recreational facilties. Many common wildlife species.

Designated Areas

Icon	Site Name	DesignatingAgency	Waterbody	Emergency #	Contact #	Comments
S31	**Fountain Creek** - State Designated Resource Stream	IL DNR, Watershed Protection	Fountain Creek	**217-782-7860**	217-785-5907; 618-993-7200	B Class Stream - Biological Classification Contact#s: 1) David Day, IL DNR, 2) Bob Hite, IEPA
S6603	**Stemler Cave Woods** - Nature Preserve	IL Nature Preserves Commission	small unnamed lakes, ponds	**217-782-7860**	618-785-2555; 217-785-8686	Remnant native ecosystem - old growth forest on sinkhole plain.
S8229	**Pruitt** - Nature Preserve	IL Nature Preserves Commission	none	**217-782-7860**	217-785-8686	
S8236	**Stemler Cave** - Nature Preserve	IL Nature Preserve Commission	none	**217-782-7860**	217-785-8686; 618-462-1181	

Other Environmentally Sensitive Areas

Icon	Site Name	Contact	Waterbody	Emergency #	Contact #	Comments
O1076	**Stemler Cave Area** - IL Natural Area Inventory Site	IL DNR, Division of Natural Heritage	small unnamed lakes, ponds	**217-782-7860**	217-785-8774; 618-931-6251	Cave system in Sinkhole Plain region. Karst vulnerable to surface-ground water contamination. Federally-listed species.

Continued on next page

[1] 2000 IL Natural Heritage Data provided by the IL Department of Natural Resources, Division of Natural Heritage.
To simplify the maps, rare species and most natural communities are represented at "point locations". As such, the hexagons DO NOT represent the full extent of any species or community occurrence. In particular, it should be assumed that mobile species likely occur throughout suitable habitat in the vicinity of the point representation.
Note: Sensitive species data were not available for the State of Missouri.

Tile 19, continued

Oil Storage Facilities

Icon	Facility Name, Operator	Address	Waterbody	Response Plan	Marine Transfer	Products	Emergency #	Contact #
#168	**Valvoline Inc.,** Valvoline Inc. (Ashland Oil)	3536 S First St, St. Louis MO	Mississippi River, 176.6 RDB	Y	Y	lubricating oil, waste oil	**800-274-5263**	314-771-8200
#169	**J.D. Streett Co., Inc.,** J.D. Streett Co., Inc.	3800 S First St, St. Louis MO	Mississippi River, 176.0 RDB	Y	Y	petroleum products, automotive fluids	**314-538-8264 (pager)**	314-351-6100
#170	**ARTCO North Terminal,** American River Transportation Co. (ARTCO)	3854 S First St, St. Louis MO	Mississippi River, 175.8 RDB	Y	Y	petroleum products	**314-304-0963; 314-960-4357**	314-481-9331 314-481-8828
#171	**Equilon St. Louis South Terminal,** Equilon Enterprises LLC	4070 S First St, St. Louis MO	Mississippi River, 175.6 RDB	Y	N	asphalt, gasoline, diesel, flux oil, kerosene	**314-752-0144**	314-752-0144
#349	**Gateway Western Railway,** Kansas City Southern	1700 S 20th St, East St. Louis IL	Mississippi River, 178.0 LDB	Y	N	petroleum products	**800-232-4997**	618-624-4760 816-983-1588
#356	**Kochmann Oil Co. (Amoco),** Kochmann Oil Co.	Main & Elm St, Millstadt IL	Douglas Creek	N	N	heating oil, diesel, gasoline	**618-476-1110**	618-476-1110
#360	**Phillips Pipe Line Co.,** Phillips Pipeline Co.	3300 Mississippi Ave, Cahokia IL	Mississippi River, 177.1 LDB	Y	N	petroleum products	**618-332-6666**	618-337-6066
#1084	**ARTCO South Terminal,** American River Transportation Co. (ARTCO)	4528 S Broadway, St. Louis MO	Mississippi River, 175.5 RDB	Y	N	fuel oil, soybean oil	**314-304-0963; 314-960-4357**	314-481-8828

Oil and Oil Product Pipelines

Icon	System Name	Co. Name	# Pipes	Diameters	Products	Emergency #	Contact #
PL9	**LRW1 Borger to Chicago**	Phillips Pipeline Co.	1	10-inch	Refined Products	**800-766-8690**	618-337-6066
PL29	**14-inch- Line**	Explorer Pipeline Co.	1	14-inch	Refined Products	**888-876-0036**	918-493-5153

EXHIBIT F

ACKNOWLEDGEMENT OF AGREEMENT

This document, when signed and notarized by HERITAGE ENVIRONMENTAL SERVICES, LLC. will serve as documentation that BRITISH PETROLEUM has complied with the preparedness and prevention sections for securing arrangements with a cleanup contractor in accordance with The Oil Pollution Act of 1990, 40 CFR 112.7(a)(3)(vi), 33 CFR 154.1028 and 33 CFR 155.1015 and is in compliance with 29 CFR 1910.120(q)(2)(i).

HERITAGE ENVIRONMENTAL SERVICES, LLC

By: Robert J. Millman
Title: Senior Project Manager

Signature: _____

Before me the undersigned, a Notary Public for Cook County, State of Illinois, personally appeared Robert J. Millman, and he being first duly sworn by me upon his oath, says that the facts alleged in the foregoing instrument are true. Signed and sealed this 23rd day of March 2012.

(Signature:) _____

OFFICIAL SEAL
KIMBERLEY ZAJEC
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 8/16/14

(SEAL) _____

My Commission Expires: August 16, 2014

This acknowledgement shall remain effective until March 31, 2013, after which time inquiries as to the status of this Agreement should be made to Heritage Environmental Services, LLC at 630-739-1151.

F-3
HERITAGE ENVIRONMENTAL SERVICES – 2012 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
931966	1/7/2012	Hammond, IN	Lemont	Diesel Fuel	10 Gallons	10 Gallons	Truck	Sorbents & Oil Dry	1 Day	None		UPS
	2/7/2012	Seneca, Il	Lemont	Bio Diesel	NA	NA	Tanks	NA	NA	Illinois River	Located boat launch at Seneca and identified use and placement of containment boom	REG
932271	3/12/2012	Elgin, IL	Lemont	Solvent Based Paint	100 Gallons	100 Gallons	Ruptured Drums	Wilden Pump, Rags & Oil Dry	2 Days	None		Ball Aerosol
932299	3/15/2012	Westmont, IL	Lemont	Gasoline	5 Gallons	5 Gallons	Truck	Hand Tools, Oil Dry	1 Day	None		UPS
932340	3/21/2012	Wayne, IL	Lemont	Diesel Fuel	Unknown	Unknown	Pipeline Leak	Absorbents, Track Hoe & Dump Trucks	28 Days	None		Magellan
	4/12/2012	Manhatten, IL	Lemont	Diesel	NA	NA	Tanks	NA	1 day	Kankakee River	Coordination of Contractors and site personnel	BP
932870	7/10/2012	Naperville, IL	Lemont	Diesel Fuel	Unknown	Unknown	Truck	Oil Dry	1 Day	None		UPS
932932	7/31/2012	Harvard, IL	Lemont	Diesel Fuel	3 Gallons	3 Gallons	Truck	Oil Dry	1 Day	None		AT&T
933037	8/23/2012	Chicago, IL	Lemont	Spill Drill	NA	NA	Barge	OPA Trailer, Vac Truck, Spill Boat & Deployed 200' Slick Boom	1 Day	Chicago Sanitary & Ship Canal		Asphalt Materials
9/25/12	Chevron Lubicants	Louisville	Ethanol	10,000 gallons	None	Barge	Table Top Drill	NA	1 day	Ohio River	Ethanol is water soluble	Chevron
9/22/12	Ducky Derby	Louisville	Rubber Ducks	NA	NA	NA	Exercise for Charity	NA	1 Day	Ohio River		Harbor House
6/19/12	Buckeye Terminal	Louisville	Gasoline	3,000 gallons	3,000 gallons	Tank inside of containment	Table Top Drill	NA	1 Day	None		Buckeye Piepline
3/19/12	Lykins Oil	Louisville	Diesel	5,000 gallon	5,000 gallon	Diesel Tanker	Table Top Drill	NA	1 Day	Ohio River		Lykins Oil
931970	1/9/12	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	2 barrels	2 barrels	DU-2 409 line	Skid steer	1 day			ConocoPhillips
932031	1/24/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	10-gal	10-gal	Unknown	4-man crew, hand tools, equip. trailer, crew cab, pickup truck, skid steer and vacuum truck	2 days			ConocoPhillips
932065	1/31/12	East Alton, IL	St. Louis (Wood River, IL)	Spectrus 1108	200-gal	200-gal	Tote	4 man crew, hand tools and crew cab	1 day	n/a		Global Brass

CONFIDENTIAL - THIS INFORMATION IS ONLY CERTIFIABLE IF CLIENT MAINTAINS A VALID EXHIBIT F.

F-3
HERITAGE ENVIRONMENTAL SERVICES – 2012 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
932076	2/2/12	Roxana, IL	St. Louis (Wood River, IL)	Kerosene	100-gal	100-gal	Leaking flange	5 man crew, hand tools, corn cob, vacuum truck, equip. trailer, crew cab, pickup truck and skid steer	2 days			ConocoPhillips
932088	2/6/12	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	10-gal	10-gal	Leaking valve	3 man crew, hand tools, equip trailer, pickup truck, crew cab and skid steer	1 day			ConocoPhillips
932082	2/3/12	Roxana, IL	St. Louis (Wood River, IL)	Benzene	?	?	Line failed	1 man crew, press vacuum truck	1 day			ConocoPhillips
932128	2/13/12	Roxana, IL	St. Louis (Wood River, IL)	Diesel	15-gal	15-gal	TD overfilled truck, not Heritage	Hand tools, crew cab, oil dry, pressure washer & 4-man crew	2 days			
932137	2/15/12	Roxana, IL	St. Louis (Wood River, IL)	Lime	200-gal	200-gal	Frac tank	4 man crew, plastic hose, vacuum truck, pickup truck, crew cab and liquid sludge vacuum truck	2 days			ConocoPhillips
932171	2/23/12	Roxana, IL	St. Louis (Wood River, IL)	Sulfur	3 cubic yards	3 cubic yards	Vessel upset	8 man crew, hand tools, plastic hose, pickup truck, crew cab, air compressor, vacuum truck and liquid sludge vacuum truck	3 days			ConocoPhillips
932178	2/25/12	Roxana, IL	St. Louis (Wood River, IL)	Process Water	50-gal	50-gal	Leaking Seal	Pressure washer, crew cab, vacuum truck & 5-man crew	2 days			ConocoPhillips
932179	2/27/12	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	20-gal	20-gal	Leaking Seal	5 man crew, hand tools, equip trailer, pickup, crew cab and skid steer	2 days			
932187	2/27/12	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	30-ga	30-gal	Leaking Seal	4 man crew, hand tools, crew cab and pickup truck	3 days			
932266	3/12/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	75-100gal	75-100gal	Overhead pipe	Crew Cab, Vacuum Truck & Sorbent Boom	5 days			ConocoPhillips
932289	3/14/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	?	?	Unknown	6 man crew, plastic hose, vacuum truck, pickup truck, liquid sludge	1 day			ConocoPhillips

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F-3
HERITAGE ENVIRONMENTAL SERVICES – 2012 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
								vacuum truck and crew cab				
932334	3/23/12	Roxana, IL	St. Louis (Wood River, IL)	Caustic	50-gal	50-gal	Leaking Pipe	5 man crew, hand tools, vacuum truck and crew cab	1 day			ConocoPhillips
932339	3/23/12	Roxana, IL	St. Louis (Wood River, IL)	Sulfuric acid	15-gal	15-gal	Leaking overhead pipe	4 man crew, hand tools, soda ash and pickup truck	1 day			ConocoPhillips
932355	3/27/12	Roxana, IL	St. Louis (Wood River, IL)	Sulfur	50-gal	50-gal	Leaking valve	6 man crew, hand tools, equip trailer, pickup truck, crew cab, air compressor and skid steer	5 days			ConocoPhillips
932416	4/7/12	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	100-gal	100-gal	Pin hole in pipe	11 man crew, hand tools, crew cab, vacuum truck, press vacuum truck, pressure washer and mini-excavator	7 days			
932445	4/13/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	100-gal	10—gal	Valve left open	2 man crew and vacuum truck	1 day	Hartford canal		ConocoPhillips
932449	4/13/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	25-gal	25-gal	Pipe leak	2 man crew, hand tools and crew cab	1 day			ConocoPhillips
932452	4/15/12	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	50-gal	50-gal	Leaking seal	6 man crew, vacuum truck, equip. trailer, sorbent pads, vacuum truck, skid steer and crew cab	3 days			ConocoPhillips
932468	4/18/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	30-gal	30-gal	Unknown	2 man crew and vacuum truck	1 day	Hartford canal		ConocoPhillips
932522	4/25/12	Chesterfield, MO	St. Louis (Wood River, IL)	Diesel fuel	25-50-gal	50-gal	Generator fuel tank	Stake bed, pickup truck, crew cab, hand tools, equip. trailer, mini-excavator, roll-off boxes & 5-man crew	2 days	Land/Water		Jones Lang Lasalle-Monsanto
932496	4/26/12	Perryville, MO	St. Louis (Wood River, IL)	Diesel fuel	100-gal	100-gal	Truck fuel tank	3 man crew, crew cab and pickup truck	2 days			Midwest Sanitation
932628	5/15/12	Roxana, IL	St. Louis (Wood River, IL)	Gas/oil	400-gal	400-gal	Leaking exchanger	10 man crew, vacuum truck, pressure washer, pickup truck,	3 days			Phillips 66

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F-3
HERITAGE ENVIRONMENTAL SERVICES – 2012 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
								sorbent boom and crew cab				
932728	6/5/12	Roxana, IL	St. Louis (Wood River, IL)	Caustic	2-gal	2-gal	Overhead pipe	Hand tools, Vacuum truck, crew cab & 4-man crew	2 days			Phillips 66
Drill	6/6/12	Hartford, IL	St. Louis (Wood River, IL)	Drill-Slurry oil	Drill	Drill	Barge unloading arm	24-hour response boat, 1000-ft of boom	1 day	Mississippi River		Phillips 66
Drill 929390	5/31/12	Columbia, MO	St. Louis (Wood River, IL)	Drill-Diesel Fuel	Drill-3000 gal	Drill-3000 gal	Fuel hauling truck	200-ft boom, vac truck, 6-man crew	1 day	Mississippi River		MFA
932767	6/15/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	2-gal	2-gal	Over fill slope oil	Hand tools, vacuum truck, crew cab and 2-man crew	1 day			Phillips 66
932845	6/29/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	Stained on road	Stained on road	Vehicle	Crew cab, pickup & 4-man crew	1 day			Phillips 66
932872	7/10/12	Roxana, IL	St. Louis (Wood River, Il)	Kerosene	300-gal	300-gal	Overhead pipe	Vacuum truck, pickup truck, crew cab & 5-man crew	4-days	Hartford canal		Phillips 66
932886	7/13/12	Roxana, IL	St. Louis (Wood River, IL)	Sulfuric aci	10-gal	10-gal	Overhead pipe	Crew cab, skid steer, equip. trailer & 3-man crew	1 day			Phillips 66
932941	7/27/12	Roxana, IL	St. Louis (Wood River, IL)	Crude oil	5-gal	5-gal	Leaking seal	Vacuum truck, crew cab, wash trailer, hand tools & 2-man crew	1 day			Phillips 66
932975	8/3/12	Roxana, IL	St. Louis (Wood River, IL)	Feces	20-gal	20-gal	Septic tank overfill	Liquid sludge vacuum truck, crew cab, corrugated hose & 4-man crew	1 day			Phillips 66
932967	8/1/12	St. Peters, MO	St. Louis (Wood River, IL)	Surfactant	?	?	WWTP	Vacuum truck, Super-sucker, suction hose, plastic hose & 2-man crew	3 days			Crystal Clean-St. Peters WWTP
932988	8/8/12	Granite City, IL	St. Louis (Wood River, IL)	Paint	40-gal	40-gal	Drum	Crew cab, hand tools, 55-gal drums, oil dry & 3-man crew	1 day			Precoat Metals
933031	8/22/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	20-gal	20-gal	Overflow of sewer	Crew cab, vacuum truck, hand tools, oil dry & 2-man crew	1 day			Phillips 66
933032	8/22/12	Roxana, IL	St. Louis (Wood River, IL)	Cat feed oil	30-gal	30-gal	Leaking pipe	Crew cab, vacuum truck, hand tools & 2-man crew	1 day			Phillips 66

CONFIDENTIAL - THIS INFORMATION IS ONLY CERTIFIABLE IF CLIENT MAINTAINS A VALID EXHIBIT F.

F-3
HERITAGE ENVIRONMENTAL SERVICES – 2012 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
933167	9/26/12	Roxana, IL	St. Louis (Wood River, IL)	Caustic	20-gal	20-gal	Overhead pipe	Vacuum truck & one-man	1 day			Phillips 66
933169	9/27/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	20-gal	20-gal	Seeping through ground	Crew cab, bobcat, equip. trailer, pickup & 2-man crew	1 day			Phillips 66
933178	10/1/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	40-ga	40-gal	Leaking hose	Crew cab, bobcat, equip. trailer, hand tools & 2-man crew	2 days			Phillips 66
	2/13/2012	Indy	Indy	Used Oil	100 gal.	100 gal	Failed pump	PW Vac truck	8 hours	No		RR
	5/31/2012	Indy	Indy	Hydraulic	20 gal	20 gal	Manlift	Absorbant and Bobcat	8 hours	No		RR
	8/29/2012	Indy	Indy	N/A			Several Scenarios	Table Top	6 hours	No	Table Top OPA Spill Drill	BP
	12/6/2012	Indy	Indy	Gasoline	50 gal	50 gal	Tanker	Vacuum Truck, Pressure Washer	16 hours	No	Get a PO because BP is forcing us to try and collect from the outside haulers insurance company as it is not a BP spill	Hauler for BP gasoline
	8/31/2012	Covington, In	Indy	Methanol	25,000		Railcar	Table Top	8 hours	Yes (Scenario)	Companies may have a plan in place but to execute is a lot harder than you think.	Bio Alternative
	9/14/2013	Greencastle, In	Indy	Gear Oil	Un-Known	Unknown	Boiler	Several vacuum trucks, absorbent booms, pads, leaf blowers, boat, etc…	5 Days	Yes 26 acre pond		Lonestar / Buzzi
924634	March 23, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	March 30, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	April 20, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	April 25, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works

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F-3
HERITAGE ENVIRONMENTAL SERVICES – 2012 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
924634	June 01, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	June 04, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	June 20, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	June 29, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	July 19, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	August 08, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	September 18, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	October 16, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	December 06, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	December 14, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
932077	2/2/2012	Ohio Turnpike Mile Marker # 37	Toledo, Oh	Diesel Fuel	?	100/gal	Truck Fuel cell	Vacuum truck	1/day	None		ERS of Ohio
932809	6/23/2012	Bradley Road Cleveland, Oh	Toledo, Oh	Jet fuel & water	?	3600/gal	Leaking tank	Vacuum Trucks	2/days	None		Bp-USPL
932974	8/3/2012	Otter creek, Oregon, Oh	Toledo, Oh	Gas, Diesel, Distillates	None	None	Putt 200' of boom in creek as a precaution while working on pipeline over creek	100' of hard boom, 100' of absorbent boom	1/2/day	Otter Creek		Bp-USPL

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DUPLICATE ORIGINAL

Date: January 10, 2008

Jarrett Industries, Inc.
19 W. Fergason
Wood River, IL 62095
Phone: 618-254-3463

Attention: Jeff Heintz

Agreement Number USL-2005MSA007
Contract Change Number USL January 10, 2008
BP Products (North America) Inc. Rate Increase

Reference is made to Agreement Number **USL-2005MSA007** between **BP Products (North America) Inc.**, "Company" and Jarrett Industries, Inc., dated as of July 25, 2005 pertaining to general maintenance services as requested by company.

This contract change is being issued to provide for a change in compensation rates effective January 10, 2008 as attached and continuing on a month to month basis until extended by the mutual agreement of both parties.

Furthermore, it is also understood and agreed that all of the provisions of Contract Number **USL-2005MSA007** shall apply to this Contract Change Number **USL January 10, 2008** the same as if this change were a separate agreement.

We trust that you will find the provisions of this letter acceptable. If so, will you please denote your acceptance by signing the enclosed **ORIGINAL** in the space provided and return it to the following:

BP Pipelines (North America) Inc.
BP US Pipelines & Logistics
28100 Torch Parkway
Warrenville, Illinois 60555
Attention: John Birkelbach, Mail Code : 538A

Yours very truly,

BP Products North America Inc.

Signature: _____
John Birkelbach
Procurement Specialist
630.836.5455

Jarrett Industries, Inc.

Signature: _____
Name: RONALD WILSON
Title: MANAGER

Enclosures:

Preparedness for Response Exercise Program (PREP)
Practice Drill

Scenario

Date: 06/10/09
Weather: 78^0 F
Wind: 0 - 5 mph

A spill was reported at the Hartford Tank Facility which allowed approximately 2,000 gallons of gasoline to flow in drainage area towards the Mississippi River. The response included blocking the drainage area and deploying sorbents and boom to mitigate a release to the river.

Responding were 5 technicians, 1 Supervisor with 1 Vacuum Truck, 1 Response Trailer, 2 Pickup Trucks and appropriate oil containment supplies.

At 9:00 AM the call was made to Supervisor of the release.

At 9:25 AM the Responders were on scene.

At 9:35 AM 500' of containment boom was deployed and in place.

Oil was contained, removed and properly disposed of.

Responders:

Mike Young, Supervisor
Jim Dittmaier, HazMat Technician
Johnny Boomershine, HazMat Technician
Ted Booten, HazMat Technician
Anthony Rickert, HazMat Technician
George Stewart, HazMat Technician

Jarrett Industries, Inc.

February 26, 2009

Subject: OSRO Resources in St. Louis

3 liquid vac tankers – 2500 gallon each
3 liquid vac tankers – 3500 gallon each
3 dry vac machines – 2500 gallon each
4000' of 8" river boom with 8" skirt – universal
2 – JD 310 backhoes
1 – 10,000 gallon frac tank on dumpster skids

1 – 8' double drum skimmer with boom
1 – 4' double drum skimmer with boom
2 – weir skimmers
Lightweight Suction Hose with floats

1 – Project Manager
1 – Safety Professional
1 – Site Superintendent
2 – Site Foreman
10 – Trained Technicians

16' – Response Trailer
20' – Project work Trailer
20' – River Jon Boat

20 bundles of Sorbent Boom
20 bundles of Sorbent Pads

Agreement with local frac tank company for on site storage in compliance with USCG MM class.

P.O. BOX 76 * 19 W. FERGUSON * WOOD RIVER, IL 62095 * PHONE: 618.254.3463

Jarrett Industries, Inc.

Jarrett Industries, Inc.
Time and Material Rates
Effective 07/01/08

Labor

Project Manager	$90.00	per hour
Safety	$85.00	per hour
Superintendent	$50.37	per hour
Supervisor	$41.44	per hour
Specialist/Operator	$35.00	per hour
Hazmat Technician	$30.68	per hour

PPE

Rubber Gear	$32.86	per suit
Rubber boots	$17.25	per pair
Tyvek (per case of 25)	$116.15	per case

Water Blast Equipment**

Pressure Washer (Hot) to 3000 psi	$21.50	per hour
100 HHP Unit to 10,000 psi	$37.50	per hour
200 HHP Unit to 15,000 psi	$42.50	per hour
10,000 psi Kit (includes hose, guns, and nozzles)	$10.00	per hour
Swirl Blast Attachment	$15.00	per hour
Sewer Flusher	$42.50	per hour

** *Per day rates based on 8 hours per day. Fuel, delivery and set up not included*

All Quoted Rates Are for Labor and Equipment Only. F.O.B. South Roxana.
All Materials and Subcontract Work Not Listed - At Market Plus 10% Handling.
Third Party Rates for Equipment Will Be Used as Necessary.
Materials, Supplies, and Chemicals Are Subject to Market Fluctuations and May Change Without Notice.
Per diem at US GSA per diem rate for M&IE plus lodging per locale plus markup
Damaged Equipment Will Be Charged At Market Value.

Terms: Net 30 - 2% Charge on All Past Due

Jarrett Industries, Inc.

Jarrett Industries, Inc.
Time and Material Rates
Effective 07/01/08

Vacuum Equipment

Vacuum Truck	$56.50	per hour
Wet/Dry Vacuum	$101.00	per hour
King Vacuum Truck	$101.00	per hour
Hydro-excavator/Combo machine	$138.00	per hour

Truck and Hauling Equipment

Pickup Truck	$9.00	per hour
One Ton Flatbed	$12.00	per hour
Work Trailer	$50.00	per day
12 Ton Gooseneck	$78.00	per day
Service Truck	$32.50	per hour

Generators

5 KW Single Phase**	$11.00	per hour
150 KW single phase**	$25.00	per hour

*** Not available per day, week, or month. Fuel, delivery and set up not included*

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Damaged Equipment Will Be Charged At Market Value.

Terms: Net 30 - 2% Charge on All Past Due

Jarrett Industries, Inc.

Jarrett Industries, Inc.
Time and Material Rates
Effective 07/01/08

Pumping Equipment**

Air Diaphragm

1"	$125.00	per day
2"	$150.00	per day
3"	$175.50	per day

Hydraulically Driven Submersibles (with Power Pack and hydraulic hoses)

3" Gear pump	$600.00	per day
4" Pit Pump	$280.00	per day

Manway Cannon	$500.00	per day

Centrifuge Equipment

Centrifuge System	$2500.00	per shift

Centrifuge	$1500.00	per shift
Feed Pump	$600.00	per shift
Poly Mixer	$250.00	per shift
Centrate Pumps	$175.00	per shift
Carbon Cannisters (less carbon)	$50.00	per day

* NOTE: Shift denotes 8 hours – day for carbon canisters is a 24 hour day

*** Not available per day, week, or month. Fuel, delivery, cleaning, hose, and set up not included*

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Per diem at US GSA per diem rate for M&IE plus lodging per locale plus markup
Damaged Equipment Will Be Charged At Market Value.

Terms: Net 30 - 2% Charge on All Past Due

Jarrett Industries, Inc.

Jarrett Industries, Inc.
Time and Material Rates
Effective 07/01/08

Chemical Cleaning Equipment and Materials

Chemical Circulator Truck	$52.50	per hour
3D Tank Cleaning Head	$10.00	per hour

Confined Space Equipment

Class I/Div II Lighting	$10.00	per hour
Gas Tester	$6.00	per hour
185 CFM Air Compressor**	$20.00	per hour
Air Driven Fan	$5.00	per hour
SCBA	$10.00	per hour
Airline System with Egress	$10.00	per hour
Full Face PAPR (Cartridges are additional)	$8.00	per hour
Tripod and Winch System plus damages	$20.00	per hour

** *Per day rates based on 8 hours per day. Fuel, delivery and set up not included*

*5 * Hourly = Daily*
*4 * Daily = Weekly*
*3 * Weekly = Monthly*

Grounds Maintenance Materials and Equipment

Weed Sprayer (not including consumables)	$27.50	per hour
Weed Sprayer with Boom	$37.50	per hour

All Quoted Rates Are for Labor and Equipment Only. F.O.B. South Roxana.
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Per diem at US GSA per diem rate for M&IE plus lodging per locale plus markup
Damaged Equipment Will Be Charged At Market Value.

Terms: Net 30 - 2% Charge on All Past Due

Jarrett Industries, Inc.

Jarrett Industries, Inc.
Time and Material Rates
Effective 07/01/08

Response Equipment**

8" Curtain Boom	$2.00/ft	per day
Response Trailer	$200.00	per day
10,000 gallon frac tank on dumpster skids	$50.00	per day
8' double drum skimmer with boom	$600.00	per day
4' double drum skimmer with boom	$400.00	per day
Weir skimmers	$200.00	per day
Lightweight Suction Hose with floats	$25.00	per day
20' – River Jon Boat	$30.00	per hour

Utility / Excavation Equipment**

Forklift	$26.50	per hour
Skid Steer Loader	$30.00	per hour
Backhoe	$32.00	per hour
Excavator	$108.50	per hour
Excavator with Shear Attachment	$178.50	per hour
Dozer	$68.50	per hour
Highlift with Bucket	$88.50	per hour
One Ton Salt Truck with Snow Plow	$40.00	per hour
Weedeater	$28.00	per day
Commercial Mower	$60.00	per day

** *Per day rates based on 8 hours per day. Fuel, delivery and set up not included*

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Third Party Rates for Equipment Will Be Used as Necessary.
Materials, Supplies, and Chemicals Are Subject to Market Fluctuations and May Change Without Notice.
Per diem at US GSA per diem rate for M&IE plus lodging per locale plus markup
Damaged Equipment Will Be Charged At Market Value.

Terms: Net 30 - 2% Charge on All Past Due

Jarrett Industries, Inc.

February 26, 2009

Subject: OSRO Resources in St. Louis

Call Out

24 hour number – 618-251-4116

On Call Pager – 618-338-0278

Ron Weber Vice President	Cell: 618-779-2734 ronw@synergy-envirotech.us
Harold Jackson Safety Manager	Cell: 314-795-6195 haroldj@synergy-envirotech.us
Mike Young Ops Manager	Cell: 618-779-2944 mikey@synergy-envirotech.us
Jim Dittmaier Foreman	Cell: 618- 781-2824 jimd@synergy-envirotech.us
Mike Matthews Foreman	Cell: 618-920-2192

Preparedness for Response Exercise Program (PREP)
Practice Drill

Scenario

Date: 11/9/2010
Weather: 62^0 F
Wind: 0 - 5 mph

A spill was reported by phone to Jarrett concerning an oil spill at the Valero riverfront barge and dock area.

Responding were 10 technicians, 1 Supervisor with 1 Vacuum Truck on stand by, 1 Response Trailer, 4 Pickup Trucks and appropriate oil containment supplies.

9:07am the call was made to Supervisor of the release.
9:15am the Responders were on scene.
9:35am Crew arrived at River dock. Tug boat is present.
9:45am Boom in water
9:55am 500 foot of boom in water.
10:05am 1000 foot of boom in the water
10:12am Boom deployed, tied off and secure.

Oil was contained, removed and properly disposed of.

Notes-
Radio communication between the crew and the tug boat would have helped with the scenario.

Responders:

Mike Young, Supervisor
Mike Matthews, HazMat Technician
Johnny Boomershine, HazMat Technician
Mike Morten, HazMat Technician
Anthony Rickert, HazMat Technician
George Stewart, HazMat Technician
Kyle Richardson, HazMat Technician
Chuck Reed, HazMat Technician
Josh Russell, HazMat Technician
Anthony Rickert, HazMat Technician
Steve Rickert, HazMat Technician

Preparedness for Response Exercise Program (PREP)
Practice Drill

Scenario

Date: 06/10/09
Weather: 78^0 F
Wind: 0 - 5 mph

A spill was reported at the Hartford Tank Facility which allowed approximately 2,000 gallons of gasoline to flow in drainage area towards the Mississippi River. The response included blocking the drainage area and deploying sorbents and boom to mitigate a release to the river.

Responding were 5 technicians, 1 Supervisor with 1 Vacuum Truck, 1 Response Trailer, 2 Pickup Trucks and appropriate oil containment supplies.

At 9:00 AM the call was made to Supervisor of the release.

At 9:25 AM the Responders were on scene.

At 9:35 AM 500' of containment boom was deployed and in place.

Oil was contained, removed and properly disposed of.

Responders:

Mike Young, Supervisor
Jim Dittmaier, HazMat Technician
Johnny Boomershine, HazMat Technician
Ted Booten, HazMat Technician
Anthony Rickert, HazMat Technician
George Stewart, HazMat Technician

TO: Anne Moore

From: Bobbi w/Jarrett Industries
C18/251-4116

Preparedness for Response Exercise Program (PREP)
Practice Drill

Scenario

Date: 06/10/08
Weather: 78^0 F
Wind: 0 - 5 mph

A spill was reported at the Hartford Tank Facility which allowed approximately 2,000 gallons of gasoline to flow in drainage area towards the Mississippi River. The response included blocking the drainage area and deploying sorbents and boom to mitigate a release to the river.

Responding were 5 technicians, 1 Supervisor with 1 Vacuum Truck, 1 Response Trailer, 2 Pickup Trucks and appropriate oil containment supplies.

At 9:00 AM the call was made to Supervisor of the release.

At 9:25 AM the Responders were on scene.

At 9:35 AM 100' of containment boom was deployed and in place.

Oil was contained, removed and properly disposed of.

Responders:

Mike Young, Supervisor
Jim Dittmaier, HazMat Technician
Johnny Boomershine, HazMat Technician
Ted Booten, HazMat Technician
Anthony Rickert, HazMat Technician
George Steware, HazMat Technician

Jarrett Ind. Inc.
P.O. Box 76, 19 West Ferguson
Wood River, IL 62095

April 24, 2007

B.P. Mkt
ATTN: Vern St. Peters

Dear Mr. St. Peters:

Here is the information on the emergency response drill.

Please feel free to call me at 618-779-2944, should you have any questions.

Sincerely,

Mike Young
Operations Manager

Response Report: Spill in Chanel (Drill)

Date: 4/24/07
Time: 7:47 a.m.
Report: Diesel fuel spill indicated in channel, amount unknown

At 8:18 a response crew of six persons including the supervisor arrived on site. They responded with three vehicles, including a vacuum truck, 500 feet of floating boom, sorbent pads and the response trailer with miscellaneous equipment. The temperature at the time was 60^0F, with a slight breeze from the NW and partly cloudy.

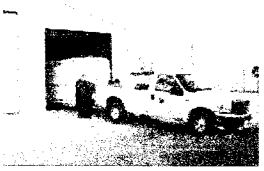
At 8:29 the crew began boom deployment.

At 8:41 the entire boom had been deployed, the spill was contained and the vacuum truck began skimming to recover the spilled material.

At 8:45 sorbent pads were applied to collect other material.

At 9:15 the spill drill was concluded and equipment was demobilized.

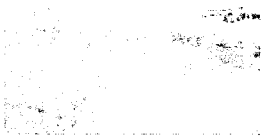

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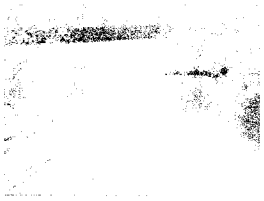

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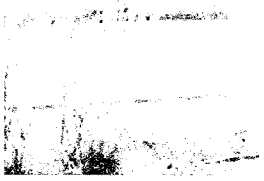

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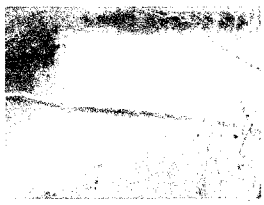

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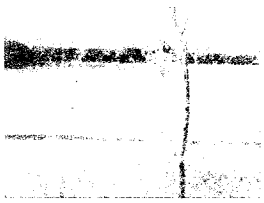

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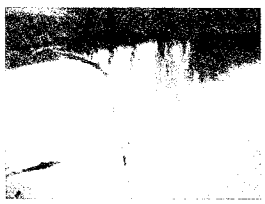

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DSC01090


DSC01091


DSC01092


DSC01093


DSC01094


DSC01095


DSC01096


DSC01097


DSC01098


DSC01099

Jarrett Industries, Inc
P.O. Box 76
Wood River, IL 62095

9/16/06

Prep exercise for 2006

Senario: Leak of diesel fuel from pipe into Wood River Inland Channel

Conditions: Cool 65 F. Wind from south west. Sunny.

Participants

Mike Young
Andy Clark
Eric Phillips
Jim Dittmaier

Equipment deployed and evercised

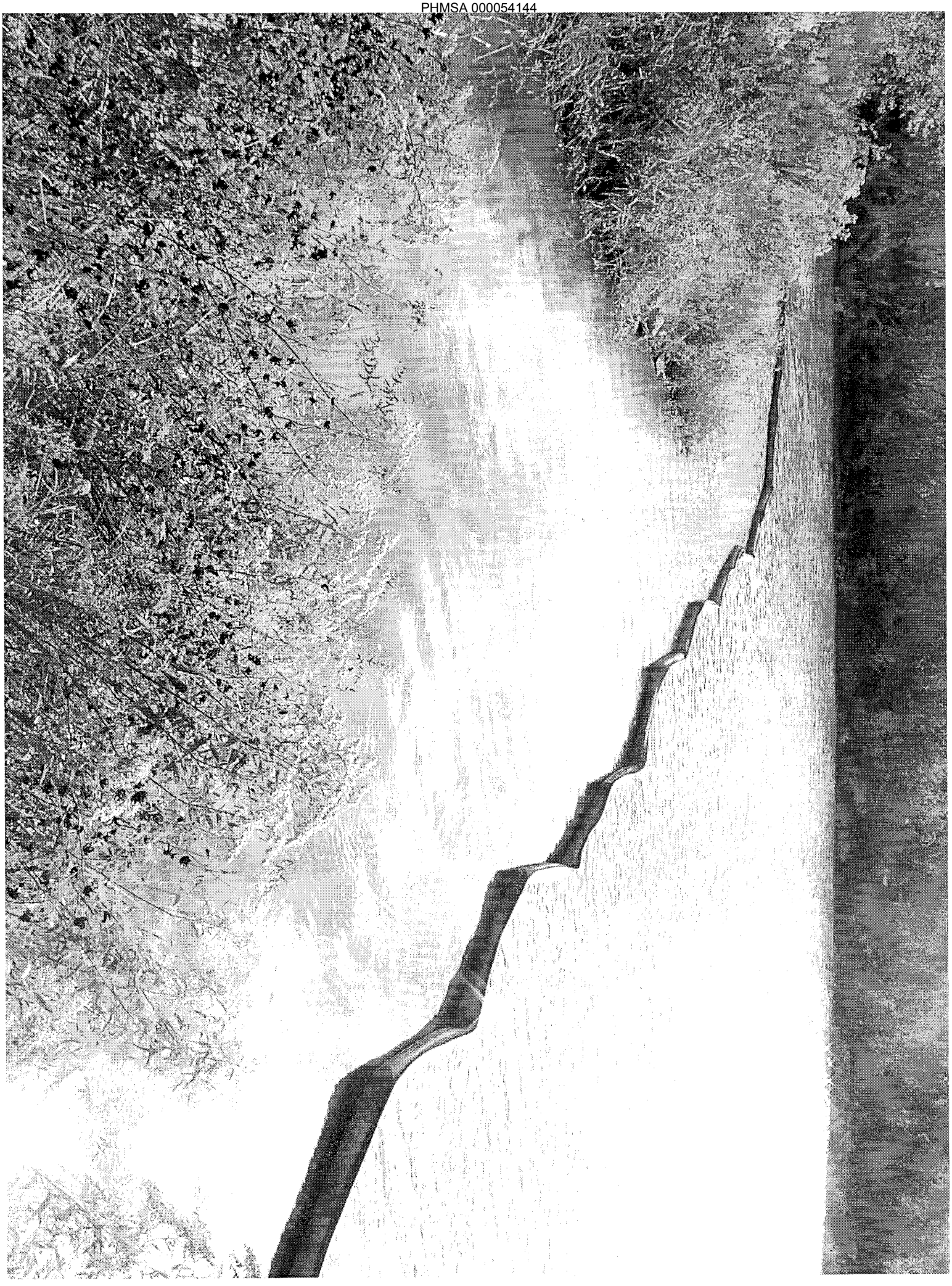
Vac truck, response trailer, boom trailer, 1000 feet of boom, pick up and one ton.

7:41 am – Notification of release.

7:56 am – Respond to site near Rt 3 and Rt 143 in Wood River. Mobilization included manpower and equipment necessary to stop source of leak and to contain, remove and remediate oil from affected body of water.

8:05 am – Begin deployment of 200 feet of 8" boom with 8" curtain. Vac truck in position for removal. All employees outfitted for river oil spill recovery conditions.

8:46 am – Boom fully deployed. Oil collected from NE corner of the contained area using hose-end skimmers. Touch up with polypropylene sorbent. All materials transported according to applicable regulations and recycled/disposed of accordingly.





HI-DRI
HI-DRI
HI-DRI

9761 P

(b) (7)(F)

(b) (7)(F)

[redacted]

(b) (7)(F)



bp

September 5, 2012

OSRO Equipment Drill Test

Jarrett Industries

Mike Young with Jarrett was called at 08:45 today and asked to respond to a spill at the terminal. Mike said he was sending two Vac. Trucks and 5 Haz-Mat Technicians and ETA estimated for 30-45 minutes. One more Vac. Truck and two more technicians would be available by 10-10:30. I told Mike that this was just a drill and to cancel deployment of men and equipment.

Vernon St. Peters
Terminal Manager
Wood River Terminal

HAZWOPER Certification for Employees

Employees Name	HAZWOPER Level (1, 2, 3, 4, 5)	Methodology (A, B, C, D)	Date of A or B	Comment
Vernon St Peters	3	B-C-D	10/12	
Tommy Penny	1	B	10/12	
Alicia Jefferson	1	B	10/12	
Lisa Wohl	1	B	10/12	

By your signature you are attesting that employees listed have received training or demonstrated competency in the areas pertinent to their assigned emergency response duties

Supervisor's Signature

March 2013
Date

HAZWOPER Levels (A full list of training objectives is contained in the USPL HAZWOPER policy.)

1. First Responder Awareness (Level 1) – Personnel who are likely to witness or discover a hazardous substance release and who have been trained to initiate an emergency response sequence by notifying the proper authorities of the release. They would take no further action beyond notifying the authorities of the release.
2. First Responder Operations (Level 2) – Personnel who respond to releases or potential releases of hazardous substances as part of the initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release. They are trained to respond in a defensive fashion without actually trying to stop the release. Their function is to contain the release from a safe distance, keep it from spreading, and prevent exposures.
3. Hazardous Materials Technician (Level 3) – Personnel who respond to releases or potential releases for the purpose of stopping the release. They assume a more aggressive role than a first responder at the operations level in that they will approach the point of release in order to plug, patch or otherwise stop the release of a hazardous substance.
4. Hazardous Materials Specialist (Level 4) – Personnel who respond with and provide support to hazardous materials technicians. Their duties parallel those of the hazardous materials technician; however, these duties require a more detailed or specific knowledge of the various substances they may be called upon to contain. The hazardous materials specialist would also act as the site liaison with Federal, state, local and other government authorities or regulated industries.
5. On Scene Incident Commander (Level 5) – Employees are granted by the company to assume control of the incident scene beyond the First Responder level, who implement the incident command system and specific emergency response plans.

Certification Methodology

A. Participated in an actual HAZWOPER response. Include date of response.
B. Participated in a drill. Include date of drill.
C. Met assigned and relevant safety and environmental training requirements that prepare the employee for their level of emergency response. Consult OSHA for documentation of training.
D. Demonstrated by experience their ability to respond to an emergency within their level of training. Provide statement of what their experience was that maintains their competency.

HAZWOPER Certification for Employees

Employee Name	HAZWOPER Level (1, 2, 3, 4, 5)	Methodology (A, B, C, D)	Date (D A or B)	Comment
D. Hill	2	B + C	10/12	
B Towson	2	B + C	10/12	
P. Smith	2	B+C	10/12	
J. Decker	2	B+C	10/12	
E. Phillips	2	B+C	10/12	
D. Selkirk	2	B+C	10/12	
J. Simpson	2	B+C	10/12	
T. McGee	2	B+C	10/12	
R. Edmondson	2	B+C	10/12	

By your signature, you are attesting the employees listed have received training or demonstrated competencies that they can successfully perform their assigned emergency response duties.

Your Name Signature

March 2013
Date

HAZWOPER Levels (A full list of training objectives is contained in the USPL HAZWOPER policy.)

- First Responder Awareness Level (Level 1) – Personnel who are likely to witness or discover a hazardous substance release and who have been trained to initiate an emergency response sequence by notifying the proper authorities of the release. They would take no further action beyond notifying the authorities of the release.
- First Responder Operations Level (Level 2) – Personnel who respond to releases or potential releases of hazardous substances as part of the initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release. They are trained to respond in a defensive fashion without actually trying to stop the release. Their function is to contain the release from a safe distance, keep it from spreading, and prevent exposures.
- Hazardous Materials Technician (Level 3) – Personnel who respond to releases or potential releases for the purpose of stopping the release. They assume a more aggressive role than a first responder at the operations level in that they will approach the point of release in order to plug, patch or otherwise stop the release of a hazardous substance.
- Hazardous Materials Specialist (Level 4) – Personnel who respond with and provide support to hazardous materials technicians. Their duties parallel those of the hazardous materials technician, however these duties require a more directed or specific knowledge of the various substances they may be called upon to control. The hazardous materials specialist would also act as the site liaison with Federal, State, local and other governmental authorities in regards to site activities.
- On Scene Incident Commander (Level 5) – Employees designated by the company to assume control of the incident scene beyond the First Responder level, who implement the incident command system and specific emergency response plans.

Certification Methodology

A Participated in an actual HAZWOPER response. Include date of response.
B Participated in a drill. Include date of drill.
C Met assigned and relevant safety and environmental training requirements that prepare the employee for their level of emergency response. Consult OJT's for recommendation of training.
D Demonstrated by experience their ability to respond to an emergency within their level of training. Provide statement of your training experience and list of questions from your company

F-3
HERITAGE ENVIRONMENTAL SERVICES – 2012 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
931966	1/7/2012	Hammond, IN	Lemont	Diesel Fuel	10 Gallons	10 Gallons	Truck	Sorbents & Oil Dry	1 Day	None		UPS
	2/7/2012	Seneca, Il	Lemont	Bio Diesel	NA	NA	Tanks	NA	NA	Illinois River	Located boat launch at Seneca and identified use and placement of containment boom	REG
932271	3/12/2012	Elgin, IL	Lemont	Solvent Based Paint	100 Gallons	100 Gallons	Ruptured Drums	Wilden Pump, Rags & Oil Dry	2 Days	None		Ball Aerosol
932299	3/15/2012	Westmont, IL	Lemont	Gasoline	5 Gallons	5 Gallons	Truck	Hand Tools, Oil Dry	1 Day	None		UPS
932340	3/21/2012	Wayne, IL	Lemont	Diesel Fuel	Unknown	Unknown	Pipeline Leak	Absorbents, Track Hoe & Dump Trucks	28 Days	None		Magellan
	4/12/2012	Manhatten, IL	Lemont	Diesel	NA	NA	Tanks	NA	1 day	Kankakee River	Coordination of Contractors and site personnel	BP
932870	7/10/2012	Naperville, IL	Lemont	Diesel Fuel	Unknown	Unknown	Truck	Oil Dry	1 Day	None		UPS
932932	7/31/2012	Harvard, IL	Lemont	Diesel Fuel	3 Gallons	3 Gallons	Truck	Oil Dry	1 Day	None		AT&T
933037	8/23/2012	Chicago, IL	Lemont	Spill Drill	NA	NA	Barge	OPA Trailer, Vac Truck, Spill Boat & Deployed 200' Slick Boom	1 Day	Chicago Sanitary & Ship Canal		Asphalt Materials
9/25/12	Chevron Lubicants	Louisville	Ethanol	10,000 gallons	None	Barge	Table Top Drill	NA	1 day	Ohio River	Ethanol is water soluble	Chevron
9/22/12	Ducky Derby	Louisville	Rubber Ducks	NA	NA	NA	Exercise for Charity	NA	1 Day	Ohio River		Harbor House
6/19/12	Buckeye Terminal	Louisville	Gasoline	3,000 gallons	3,000 gallons	Tank inside of containmen t	Table Top Drill	NA	1 Day	None		Buckeye Piepline
3/19/12	Lykins Oil	Louisville	Diesel	5,000 gallon	5,000 gallon	Diesel Tanker	Table Top Drill	NA	1 Day	Ohio River		Lykins Oil
931970	1/9/12	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	2 barrels	2 barrels	DU-2 409 line	Skid steer	1 day			ConocoPhillips
932031	1/24/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	10-gal	10-gal	Unknown	4-man crew, hand tools, equip. trailer, crew cab, pickup truck, skid steer and vacuum truck	2 days			ConocoPhillips

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F-3
HERITAGE ENVIRONMENTAL SERVICES – 2012 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
932065	1/31/12	East Alton, IL	St. Louis (Wood River, IL)	Spectrus 1108	200-gal	200-gal	Tote	4 man crew, hand tools and crew cab	1 day	n/a		Global Brass
932076	2/2/12	Roxana, IL	St. Louis (Wood River, IL)	Kerosene	100-gal	100-gal	Leaking flange	5 man crew, hand tools, corn cob, vacuum truck, equip. trailer, crew cab, pickup truck and skid steer	2 days			ConocoPhillips
932088	2/6/12	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	10-gal	10-gal	Leaking valve	3 man crew, hand tools, equip trailer, pickup truck, crew cab and skid steer	1 day			ConocoPhillips
932082	2/3/12	Roxana, IL	St. Louis (Wood River, IL)	Benzene	?	?	Line failed	1 man crew, press vacuum truck	1 day			ConocoPhillips
932128	2/13/12	Roxana, IL	St. Louis (Wood River, IL)	Diesel	15-gal	15-gal	TD overfilled truck, not Heritage	Hand tools, crew cab, oil dry, pressure washer & 4-man crew	2 days			
932137	2/15/12	Roxana, IL	St. Louis (Wood River, IL)	Lime	200-gal	200-gal	Frac tank	4 man crew, plastic hose, vacuum truck, pickup truck, crew cab and liquid sludge vacuum truck	2 days			ConocoPhillips
932171	2/23/12	Roxana, IL	St. Louis (Wood River, IL)	Sulfur	3 cubic yards	3 cubic yards	Vessel upset	8 man crew, hand tools, plastic hose, pickup truck, crew cab, air compressor, vacuum truck and liquid sludge vacuum truck	3 days			ConocoPhillips
932178	2/25/12	Roxana, IL	St. Louis (Wood River, IL)	Process Water	50-gal	50-gal	Leaking Seal	Pressure washer, crew cab, vacuum truck & 5-man crew	2 days			ConocoPhillips
932179	2/27/12	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	20-gal	20-gal	Leaking Seal	5 man crew, hand tools, equip trailer, pickup, crew cab and skid steer	2 days			
932187	2/27/12	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	30-ga	30-gal	Leaking Seal	4 man crew, hand tools, crew cab and pickup truck	3 days			
932266	3/12/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	75-100gal	75-100gal	Overhead pipe	Crew Cab, Vacuum Truck & Sorbent Boom	5 days			ConocoPhillips

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F-3
HERITAGE ENVIRONMENTAL SERVICES – 2012 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
932289	3/14/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	?	?	Unknown	6 man crew, plastic hose, vacuum truck, pickup truck, liquid sludge vacuum truck and crew cab	1 day			ConocoPhillips
932334	3/23/12	Roxana, IL	St. Louis (Wood River, IL)	Caustic	50-gal	50-gal	Leaking Pipe	5 man crew, hand tools, vacuum truck and crew cab	1 day			ConocoPhillips
932339	3/23/12	Roxana, IL	St. Louis (Wood River, IL)	Sulfuric acid	15-gal	15-gal	Leaking overhead pipe	4 man crew, hand tools, soda ash and pickup truck	1 day			ConocoPhillips
932355	3/27/12	Roxana, IL	St. Louis (Wood River, IL)	Sulfur	50-gal	50-gal	Leaking valve	6 man crew, hand tools, equip trailer, pickup truck, crew cab, air compressor and skid steer	5 days			ConocoPhillips
932416	4/7/12	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	100-gal	100-gal	Pin hole in pipe	11 man crew, hand tools, crew cab, vacuum truck, press vacuum truck, pressure washer and mini-excavator	7 days			
932445	4/13/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	100-gal	10—gal	Valve left open	2 man crew and vacuum truck	1 day	Hartford canal		ConocoPhillips
932449	4/13/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	25-gal	25-gal	Pipe leak	2 man crew, hand tools and crew cab	1 day			ConocoPhillips
932452	4/15/12	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	50-gal	50-gal	Leaking seal	6 man crew, vacuum truck, equip. trailer, sorbent pads, vacuum truck, skid steer and crew cab	3 days			ConocoPhillips
932468	4/18/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	30-gal	30-gal	Unknown	2 man crew and vacuum truck	1 day	Hartford canal		ConocoPhillips
932522	4/25/12	Chesterfield, MO	St. Louis (Wood River, IL)	Diesel fuel	25-50-gal	50-gal	Generator fuel tank	Stake bed, pickup truck, crew cab, hand tools, equip. trailer, mini-excavator, roll-off boxes & 5-man crew	2 days	Land/Water		Jones Lang Lasalle-Monsanto

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F-3
HERITAGE ENVIRONMENTAL SERVICES – 2012 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
932496	4/26/12	Perryville, MO	St. Louis (Wood River, IL)	Diesel fuel	100-gal	100-gal	Truck fuel tank	3 man crew, crew cab and pickup truck	2 days			Midwest Sanitation
932628	5/15/12	Roxana, IL	St. Louis (Wood River, IL)	Gas/oil	400-gal	400-gal	Leaking exchanger	10 man crew, vacuum truck, pressure washer, pickup truck, sorbent boom and crew cab	3 days			Phillips 66
932728	6/5/12	Roxana, IL	St. Louis (Wood River, IL)	Caustic	2-gal	2-gal	Overhead pipe	Hand tools, Vacuum truck, crew cab & 4-man crew	2 days			Phillips 66
Drill	6/6/12	Hartford, IL	St. Louis (Wood River, IL)	Drill-Slurry oil	Drill	Drill	Barge unloading arm	24-hour response boat, 1000-ft of boom	1 day	Mississippi River		Phillips 66
Drill 929390	5/31/12	Columbia, MO	St. Louis (Wood River, IL)	Drill-Diesel Fuel	Drill-3000 gal	Drill-3000 gal	Fuel hauling truck	200-ft boom, vac truck, 6-man crew	1 day	Mississippi River		MFA
932767	6/15/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	2-gal	2-gal	Over fill slope oil	Hand tools, vacuum truck, crew cab and 2-man crew	1 day			Phillips 66
932845	6/29/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	Stained on road	Stained on road	Vehicle	Crew cab, pickup & 4-man crew	1 day			Phillips 66
932872	7/10/12	Roxana, IL	St. Louis (Wood River, Il)	Kerosene	300-gal	300-gal	Overhead pipe	Vacuum truck, pickup truck, crew cab & 5-man crew	4-days	Hartford canal		Phillips 66
932886	7/13/12	Roxana, IL	St. Louis (Wood River, IL)	Sulfuric aci	10-gal	10-gal	Overhead pipe	Crew cab, skid steer, equip. trailer & 3-man crew	1 day			Phillips 66
932941	7/27/12	Roxana, IL	St. Louis (Wood River, IL)	Crude oil	5-gal	5-gal	Leaking seal	Vacuum truck, crew cab, wash trailer, hand tools & 2-man crew	1 day			Phillips 66
932975	8/3/12	Roxana, IL	St. Louis (Wood River, IL)	Feces	20-gal	20-gal	Septic tank overfill	Liquid sludge vacuum truck, crew cab, corrugated hose & 4-man crew	1 day			Phillips 66
932967	8/1/12	St. Peters, MO	St. Louis (Wood River, IL)	Surfactant	?	?	WWTP	Vacuum truck, Super-sucker, suction hose, plastic hose & 2-man crew	3 days			Crystal Clean-St. Peters WWTP
932988	8/8/12	Granite City, IL	St. Louis (Wood River, IL)	Paint	40-gal	40-gal	Drum	Crew cab, hand tools, 55-gal drums, oil dry & 3-man crew	1 day			Precoat Metals

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F-3
HERITAGE ENVIRONMENTAL SERVICES – 2012 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
933031	8/22/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	20-gal	20-gal	Overflow of sewer	Crew cab, vacuum truck, hand tools, oil dry & 2-man crew	1 day			Phillips 66
933032	8/22/12	Roxana, IL	St. Louis (Wood River, IL)	Cat feed oil	30-gal	30-gal	Leaking pipe	Crew cab, vacuum truck, hand tools & 2-man crew	1 day			Phillips 66
933167	9/26/12	Roxana, IL	St. Louis (Wood River, IL)	Caustic	20-gal	20-gal	Overhead pipe	Vacuum truck & one-man	1 day			Phillips 66
933169	9/27/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	20-gal	20-gal	Seeping through ground	Crew cab, bobcat, equip. trailer, pickup & 2-man crew	1 day			Phillips 66
933178	10/1/12	Roxana, IL	St. Louis (Wood River, IL)	Oil	40-ga	40-gal	Leaking hose	Crew cab, bobcat, equip. trailer, hand tools & 2-man crew	2 days			Phillips 66
	2/13/2012	Indy	Indy	Used Oil	100 gal.	100 gal	Failed pump	PW Vac truck	8 hours	No		RR
	5/31/2012	Indy	Indy	Hydraulic	20 gal	20 gal	Manlift	Absorbant and Bobcat	8 hours	No		RR
	8/29/2012	Indy	Indy	N/A			Several Scenarios	Table Top	6 hours	No	Table Top OPA Spill Drill	BP
	12/6/2012	Indy	Indy	Gasoline	50 gal	50 gal	Tanker	Vacuum Truck, Pressure Washer	16 hours	No	Get a PO because BP is forcing us to try and collect from the outside haulers insurance company as it is not a BP spill	Hauler for BP gasoline
	8/31/2012	Covington, In	Indy	Methanol	25,000		Railcar	Table Top	8 hours	Yes (Scenario)	Companies may have a plan in place but to execute is a lot harder than you think.	Bio Alternative
	9/14/2013	Greencastle, In	Indy	Gear Oil	Un-Known	Unknown	Boiler	Several vacuum trucks, absorbent booms, pads, leaf blowers, boat, etc…	5 Days	Yes 26 acre pond		Lonestar / Buzzi
924634	March 23, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	March 30, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works

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HERITAGE ENVIRONMENTAL SERVICES – 2012 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
				Boom								
924634	April 20, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	April 25, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	June 01, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	June 04, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	June 20, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	June 29, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	July 19, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	August 08, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	September 18, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	October 16, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	December 06, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works
924634	December 14, 2012	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River	NA	US Steel – Gary Works

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F-3
HERITAGE ENVIRONMENTAL SERVICES – 2012 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
932077	2/2/2012	Ohio Turnpike Mile Marker # 37	Toledo, Oh	Diesel Fuel	?	100/gal	Truck Fuel cell	Vacuum truck	1/day	None		ERS of Ohio
932809	6/23/2012	Bradley Road Cleveland, Oh	Toledo, Oh	Jet fuel & water	?	3600/gal	Leaking tank	Vacuum Trucks	2/days	None		Bp-USPL
932974	8/3/2012	Otter creek, Oregon, Oh	Toledo, Oh	Gas, Diesel, Distillates	None	None	Putt 200’ of boom in creek as a precaution while working on pipeline over creek	100’ of hard boom, 100’ of absorbent boom	1/2/day	Otter Creek		Bp-USPL

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F-3
HERITAGE ENVIRONMENTAL SERVICES – 2006 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
601489	3/1/06	Hartford, IL	St. Louis	N/A	N/A	N/A	Drill	Spill Boat, 6" Skirt Boom (350')	N/A	Mississippi River	Shorter skirt boom more effective in faster currents	Heritage
601489	3/3/06	Hartford, IL	St. Louis	N/A	N/A	N/A	Drill	Spill Boat, 6" Skirt Boom (350')	N/A	Mississippi River	Boom Setting Techniques	Heritage
912384	3/27/06	Hannibal, MO	St. Louis	Xylene	Stand-by	N/A	Barge Unloading	Spill Boat, 12" Skirt Boom	N/A	Mississippi River		BASF
601489	4/5/06	Hartford, IL	St. Louis	N/A	N/A	N/A	Drill	Spill Boat, 6" Skirt Boom (350')	N/A	Mississippi River	Boom Setting Techniques	Heritage Corporate Drill
601489	4/6/06	Hartford, IL	St. Louis	N/A	N/A	N/A	Drill	Spill Boat, 6" Skirt Boom (350')	N/A	Mississippi River	Boom Setting Techniques	Heritage Corporate Drill
921423	4/7/06	Hartford, IL	St. Louis	Jet Fuel	20,000 gallons Simulat-ed	N/A	Simulated Barge overflow	Spill Boat(3), JBF Boat, Vac Trucks, 6" Skirt Boom (600'),12" Skirt Boom (1300'),Hydraulic Skimmer, Manta Ray Skimmer, 1 OPA Spill trailer w/2000 ' 18 " containment boom, 85 bales of absorbent pads,75 bales of absorbent boom, 55 sweeps, and 50 boxes of snare sweeps 17 personnel deployed on the boats and 15 land based support personnel	N/A	Mississippi River	Need to use several different colored vests on the shore and the boats to differentiate between the Captians, the spotters, and the designated command personnel. The dock pilings and the current in the River makes it more difficult to deploy the boom. Need more practice in swift and turbulent currents. JBF boat very effective in the quiet water streches of the river but limited in the rough areas. The use of aerial support and instantaneous computer modeling was very effective in predicting the potential plume dispersion.	Heritage Corporate Drill(St. Louis, Lemont, Louisville, Toledo, Hammond Indianpolis,, Kansas City, Tulsa)/Connoco Phillips

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Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
912384	4/26/06	Hannibal, MO	St. Louis	Xylene	Stand-by	N/A	Barge Unloading	Spill Boat, 12" Skirt Boom	N/A	Mississippi River		BASF
922428	10/20/06	Dardene Island St. Charles County, MO	St. Louis	Abandoned Drums	None	8 Empty Abandoned Drums	Abandoned	OPA Boat	6.5 hrs	Mississippi River		U.S. Coast Guard
912384	10/23/06	Hannibal, MO	St. Louis	Xylene	Stand-by	N/A	Barge Unloading	Spill Boat, 12" Skirt Boom	N/A	Mississippi River		BASF
912384	11/9/06	Hannibal, MO	St. Louis	Xylene	Stand-by	N/A	Barge Unloading	Spill Boat, 12" Skirt Boom	N/A	Mississippi River		BASF
921160	1/26/2006	Lemont, IL	Lemont	Heating Oil	Stand-by	N/A	Barge Unloading	Spill Boat, Slick Boom	N/A	Sanitary and Ship Canal	Utilized experienced personnel to train unexperienced on deployment and retrieval of boom from the boat.	Illinois Marine
921702	5/17/2006	Chicago, IL	Lemont	Tallow	5 Gal	5 Gal	Leaking Valve	Air Compressor, Drum Vacuum, Absorbents	1 Day	Land-Drainage Ditch		Norfolk Southern
921840	6/20/2006	Forest View, IL	Lemont	Fuel additive	50 Gal	50 Gal	Worn Flange Seal	Absorbents, Shovels	1 Day	Land		BP
922176	8/29/2006	Chicago, IL	Lemont	Spill Drill	500 gallons simula-ted	N/A	Simulated pipeline break	Vacuum Truck	1 Day	Sanitary and Ship Canal	Only responeded with a vacuum truck as requested. Drill was supposed to also employ deployment of boom. Improve communications	SEM Materials
922225	9/8/2006	Lemont, IL	Lemont	Diesel Fuel	30 Gallons	25 Gallons	Fuel Tank	Oil Dry, Absorbent Pads	1 Day	Sewer		Perlman-Rocque
922255	9/15/2006	Chicago, IL	Lemont	Gasoline	unknown	unknown	Fuel tanks Removed contaminated soils	Vacuum Truck, Bobcat, Roll Off Boxes	2 Days	Calumet River		City of Chicago
922308	9/26/2006	Franklin Park, IL	Lemont	Gasoline	unknown	unknown	Leaking Valve Removed contaminated soils	Shovels, Absorbents, Bobcat, Roll Off Box	1 Day	Land		Magellan
922313	9/27/2006	Pontiac, IL	Lemont	Spill Drill	500 gallons simulate-ed	N/A	Simulated pipeline break	OPA Trailer, 200' Slick Boom	1 Day	Creek	Area of creek where pipeline leaves the Terminal	Enbridge
922441	10/23/2006	Dekalb, IL	Lemont	Ethyl Acetate	5 Gal	5 Gal	55-Gallon Drum	Drum Vacuum, Absorbents	1 Day	Land		3M Company
922483	11/1/2006	Lemont, IL	Lemont	Hydraulic Oil	unknown	unknown	Barge Pump	Sorbent Boom	1 Day	Sanitary and Ship Canal		ACBL

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HERITAGE ENVIRONMENTAL SERVICES – 2006 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
922638	12/1/2006	O'Hare Airport	Lemont	Waste Oil	unknown	unknown	Oil/Water Seperator	Slick Boom, Sorbent Boom, Sorbent Pads	2 Days	O,Hare Drainage System		ASIG
921398	3/1006	Louisville, KY	Louisville	Mineral oil	220 gals	210 gals.	Leaking drums	Vacuum tanker	1 day	creek		
921442	3/19/06	New Albany, IN	Louisville	Diesel fuel	300 gals.	275 gals.	Product line	Vacuum tanker	3 days	Ohio River		
921630	4/26/06	Louisville, KY	Louisville	Transformer oil	150 gals	150 gals	Product line	Vacuum tanker	1 day	creek		Republic Conduit
917842	6/6/06	Louisville, KY	Louisville	Blend oil	1,000 gals	950 gals	Over fill tank	Vacuum tanker	2 days	Ohio River		Chevron
921868	6/26/06	Elizabethtown, KY	Louisville	Machine oil	500 gals	470 gals	Transfer line broke	Vacuum tanker	2 days	creek		Dana Corp.
40999	9/24/06	New Albany, IN	Louisville	xylene	8,000 gals	6500 gals	Spill drill	Boats, boom, vacuum tanker	1 day	Ohio River		LIAMA Group
922402	10/1606	Walton, KY	Louisville	Diesel fuel	150 gals	150 gals	Ruptured fuel tank	Vacuum tanker	1 day	creek		Interstate Trucking
921234	2/3/2006	Toledo, Oh	Toledo	Diesel	10/gal	10/gals	Locomotive	Asorbant Pads, Ramsorb	1/Day	Rail yard		N&S Corp
921466	3/27/2006	Toledo, Oh	Toledo	Gasoline	Unkown	40/roll-offs of soil, Multi tanker loads, and vac truck loads.	Pipline	Vacuum Trucks, Roll-Offs, Boom,Frac Tanks	On Going Vac out of recovery points 2 times a week	Shantee Creek		Confidential
921957	7/10/2006	Toledo, Oh	Toledo	Hydraulic Oil	15/gals	15/gals	Unknown	Asorbant Pads, Ramsorb	1/day	Stone Lot		N&S Corp
921996	7/26/2006	Fremont, Oh	Toledo	Diesel Fuel	5/gals	5/gals	Leaking Drum	Floor Dry, Overpack drum	1/day	Ashpalt Lot		AT&T
922137	8/21/2006	Monroe, Mi	Toledo	Diesel Fuel	50/gals	50/gals	Truck Hit A Light Pole Base Busted open fuel tank	Vacuum equipment, Drums, Asorbant pads, Roll-offs	5/days	Grass Area near wetlands		Spartan Steel
922305	9/25/2006	Toledo, Oh	Toledo	Lube Oil	15/gals	15/gals	Rail Car	Asorbant Pads, Ramsorb, Drums, Petrogreen	1/day	Ballast stone next to Tracks		N&S Corp
922710	12/13/2006	Cushing, OK	Tulsa	Crude	25bbls	15bbls	Leaking valve	Hydroexcavator, liqud vac	3 days			
921403	3/8/06	Terre Haute, IN	Indianapolis	Cutting Oil	Unknow n	5 gallon	Unknown Sheen on retention pond	Vac Truck, Pads, Booms, john boat	2 days	Retention pond	One man in boat with leaf blower does not permit for control of	

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HERITAGE ENVIRONMENTAL SERVICES – 2006 OSRO PREP DOCUMENTATION
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Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
											boat.	
921471	2/27/2006	Chicago, IL	Hammond	Light oils	Un-known	2500 gallons of oil	Leakage of oil from an old sewer system	2- 24' Spill Boas, 14' jon boat Vacuum trucks, absorbent pads, 3000 feet of containment boom, 1500 feet of absorbent boom, hydraulic skimmer,Tow tugs to move 400 foot St Mary Challenger, sewer plugs, -Frac tanks, 5000 gallon tanker.	3 month	Calumet Harbor	Had to move 400 foot St mary Challenger to access shore piling and side of ore carrier to collect oil and to clean the sides of ship and the piling. This required coordination of USCG, Ship Captain, Tow tugs, and cleanup personnel	USCG and Maryland PIG
922548	11-11-06	Hammond In	Hammond	None	Standby	None	Breakaway Barge Precautionary deployment	Containment Boom 500 feet	5 Days	Crand Calumet Canal		

The above exercises and spill events for which the various OPA equipment was deployed occurred between January 1, 2006 to December 31, 2006.

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HERITAGE ENVIRONMENTAL SERVICES – 2007 OSRO PREP DOCUMENTATION
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Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
922748	1/3/2007	Addison, IL	Lemont	Diesel Fuel	10 Gallons	10 Gallons	Fuel Tank	Shovels, 2 bags Oil Dry	1 Day	N/A		UPS
922920	2/21/2007	Des Plaines, IL	Lemont	Jet Fuel	N/A	N/A	Storage Tank	Skid Vacuum, one bale of Sorbent Pads, Shovels	1 Day	N/A	Be on Lookout for previous spills in fixed facility tank dikes	
923012	3/12/2007	O'Hare Airport	Lemont	Hydraulic Oil	25 Gallons	25 Gallons	55 Gallon Drum	12 bags of Oil Dry, 3 Bales of Sorbent Pads, Shovels	1 Day	N/A		UPS
923033	3/16/2007	Wayne, IL	Lemont	Gasoline	Unknown	Unknown	Pipeline	Vacuum Trucks, Numerous Sorbent pads and Boom, 100' 18" slick boom, roll offs, Dump Trucks, Excavator, Road Closure, Backfill material, replacement of road	3 Months	Creek	Be more proactive in addressing local residents needs	Magellan Pipeline
923131	4/5/2007	Naperville, IL	Lemont	Hydraulic Oil	Unknown	Unknown	Track Hoe	Tractor Trailer, Rolloff Box	1 Day	N/A		AT&T
923376	5/23/2007	Naperville, IL	Lemont	Diesel Fuel	Unknown	Unknown	Unknown	Vacuum Truck	1 Day	N/A		AT&T
923549	6/24/2007	Argo, IL	Lemont	Diesel Fuel	50 Gallons	50 Gallons	Truck Rollover	Vacuum Truck	2 Days	N/A		Kinder Morgan
	6/27/2007	Willow Spring, Il	Lemont	Oil	200 gallons	Drill	Table Top Exercise Notification	None	1 day	Little Calumet river	Need to designate a fixed phone for people to call back on Impossible to handle all responses on one cell phone	Valvoline
	7/18/2007	Chicago, Il	Lemont	Oil	1,000 gallons	Drill	Deployment Drill	Kinder Morgan boat, boom and personnel Heritage called to supply vacuum truck but vacuum truck was not mobilized-simulated only Past experience revealed vacuum truck could be at site within 45 minutes	1 day	Calumet Harbor	Kinder Morgan Personnel deployed 1000 feet of boom within 50 minutes of notification Important when putting boom away that it is not tangled so that it can be easily deployed during next event	Kinder Morgan

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HERITAGE ENVIRONMENTAL SERVICES – 2007 OSRO PREP DOCUMENTATION
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Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
923791	8/7/2007	Bridgeview, IL	Lemont	Hydraulic Oil	5 Gallons	5 Gallons	Shop Drum	Skid Vacuum	1 Day	N/A		AT&T
923834	8/14/2007	Des Plaines, IL	Lemont	Gasoline	Unknown	Unknown	Pump	Vacuum Truck, Hand Tools, 2 Bales Sorbent Pads	2 Days	N/A		BP
923870	8/23/2007	Grand Haven, MI	Lemont	Spill Drill	N/A	N/A	Simulated Pipeline near Lake	Tractor and OPA Trailer	1 Day	Lake Michigan	Client needs to call local spill team first	Wolverine
923887	8/27/2007	Chicago, IL	Lemont	Ethanol	50-100 Gallons	50-100 Gallons	Railcar	Skid Vacuum, offload waste into 18 drums onsite	1 Day	N/A		
924381	11/20/2007	Rockford, IL	Lemont	Hydraulic Oil	5 Gallons	5 Gallons	Service Truck	Hand Tools, Oil Dry	1 Day	N/A		AT&T
924495	12/13/2007	Des Plaines, IL	Lemont	Hydraulic Oil	5 Gallons	5 Gallons	Service Truck	Hand Tools, Oil Dry	1 Day	N/A		AT&T
923911	8-29-07	Sugar Creek, MO	Kansas City	Diesel	2000 bbl Simulated	NA	Simulated Pipe break	Mobilized with spill trailer, boat, vacuum truck	NA	Simulated ditch leading to Missouri River	BP Corporate spill drill Make sure paper copies of all personnel training certificates are available	BP North America
923495	6/19/07	Hartford, IL	St Louis, MO	Various Oils included in SONS scenario	Various amounts included in SONS scenario	N/A-Drill	Various Sources included in SONS Scenario	Spill Boat (3), Vacuum Trucks, 6" Skirt Boom (600'), 12" Skirt Boom (1300'), Hydraulic Skimmer, Manta Ray Skimmer, 1 OPA Spill trailer w/2000 ' 18 " containment boom, 85 bales of absorbent pads, 75 bales of absorbent boom, 55 sweeps, and 50 boxes of snare sweeps 8 personnel deployed on the boats and 9 land based support personnel, 1 person in incident command 24 hrs/day for 3 days	N/A	Mississippi River	Extreme caution is to be taken when connecting two pieces of deployed boom Need to use caution when working around barges In a large spill Always have a stand-by boat for rescue	Spill of National Significance Exercise with ConocoPhillips Wood River Refinery
912384	4/12/07	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill Boat, 12" Skirt Boom	N/A	Mississippi River		

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OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
912384	4/16/07	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill Boat, 12" Skirt Boom	N/A	Mississippi River		
912384	5/7/07	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill Boat, 12" Skirt Boom	N/A	Mississippi River		
912384	9/27/07	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill Boat, 12" Skirt Boom	N/A	Mississippi River		
912384	5/30/07	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill Boat, 12" Skirt Boom	N/A	Mississippi River		
912384	5/31/07	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill Boat, 12" Skirt Boom	N/A	Mississippi River		
912384	10/25/07	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill Boat, 12" Skirt Boom	N/A	Mississippi River		
912384	11/6/07	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill Boat, 12" Skirt Boom	N/A	Mississippi River		
912384	11/13/07	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill Boat, 12" Skirt Boom	N/A	Mississippi River		
924323	11/11/07	Springfield, IL	St Louis, MO	Mineral Oil	Supply Only	Supply Only	Power Plant	OPA Supply Trailer, 12" Skirt Boom, Absorbent Boom	8 days	Lake Springfield		
922855	2/1/07	Hartford, IL	St Louis, MO	Unknown Sheen	Unknown	None	Tug Boat	OPA Boat	4 hrs	Mississippi River		Oil Mop
922927	2/21/07	Hartford, IL	St Louis, MO	Fuel Oil	1000 gallons	900 gallons	Tug Boat	Absorbent Bales, Absorbent Pads	3 days	Mississippi River		ACBL
923932	9/6/07	Gamma, MO	St Louis, MO	Crude Oil	3843 BBLS	3378 BBLS	Pipeline Break	OPA Boat, 12' Skirt Boom, Vacuum Trucks, 6000 gallon Tankers, Hydraulic Skimmer, Air Diaphragm Pumps, Godwin Pumps, Track Hoe, Bobcat, Frac Tanks, Carbon Treatment Cells, Roll off Boxes	55 days	Private Lake		Kinder Morgan
N/A	4/24/07	St Charles, MO	St Louis, MO	Gasoline	400 BBL	N/A Drill	Gasoline Tank Rupture	Table Top Drill	N/A	Dardine Creek		Magellan
N/A	6/19/07 – 6/21/07	St Louis, MO	St Louis, MO	Various Oils included in SONS	Various Amounts	N/A-Drill	Various Sources included in SONS Scenario	Table Top Drill	N/A	Mississippi River/Missouri River		United States Coast Guard – Spill of National

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HERITAGE ENVIRONMENTAL SERVICES – 2007 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
				scenario								Significance Drill
N/A	8/30/07	St Louis, MO	St Louis, MO	Gasoline	20,000 BBL	N/A Drill	Gasoline Tank Rupture	Table Top Drill	N/A	Mississippi River		Buckeye Partners Pipeline
N/A	6/21/07	St Peters, MO	St Louis, MO	Gasoline	400 BBL	N/A – Drill	Gasoline Tank Leak	Vacuum Truck, OPA Boat, 12' Skirt Boom	N/A	Dardine Creek		Magellan Pipeline
923297	5/9/07	Granite City, IL	St Louis, MO	Hydraulic Oil	Sheen	Sheen	Hydraulic Line Break	Sausage Boom	1 day	Mississippi River		US Steel - GCW
922943	2/24/07	Louisville, KY	Louisville, KY	Soda Ash	200 lbs	200 lbs	Rail car	Vacuum truck, absorbent material	1 day	Creek near rail		CSX
923065	3/28/07	Tell City, IN	Louisville, KY	Hydraulic oil	125 gals	110 gals	Drums	Drum vacuum, oil dry, absorbent pads	1 day	Near on-site waterway		Waupaca Foundry
923614	7/10/07	Evansville, IN	Louisville, KY	Spent acid	45 gals	45 gals	Drum	Containment boom, drum vacuum, oil dry	1 day	Waterway		Collis
N/A	11/14/07	Louisville, KY	Louisville, KY	Spill drill	200 gals	N/A drill	Hydraulic oil	Table Top Drill	1 day	Ohio River		LIAMA Group
922942	2-24-07	Indianapolis, IN	Indy	Diesel	~5gallon	~90%	Engine #1509	Shovels and pads	1 day	N/A	N/A	CSXT
922951	2-26-07	Indianapolis, IN	Indy	Diesel and Oil	15-20 gallon	~90%	Broken Pipe	Bobcat & Hand Tools	2 days	N/A		
923332	5-15-07	Rushville, IN	Indy	Hydraulic Oil	20 gallons	100%	Broken Pipe drained into dike unloading area	Vacuum Truck & Pressure Washer	1 day	N/A		Copeland Corporation
923458	6-11-07	Bargersville, IN	Indy	Crude Oil	Unknown	87 drums sent for disposal	Pipeline	Box Truck Hand Tools	6 Days	N/A	Originally told by client there were approx 4 drums of waste Should of visited the site or had them send pictures to confirm their quantities We would have been able to tell that roll off boxes and backhoe would have been more cost effective	BP
923844	8-14-07	Hagerstown, IN	Indy	Crude Oil	Unknown	9,538 gallons disposed	Pipeline	Absorbent Boom, Absorbent Pads, 4 Vacuum Trucks Pick ups	2 Days	On site Pond	N/A	BP

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HERITAGE ENVIRONMENTAL SERVICES – 2007 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
923298	5-14-07	Indianapolis, IN	Indy	Oil	Unknown	1240 gallons disposed	Condenser Pit	Vacuum Truck Pressure washer	2 Days	N/A	N/A	Indianapolis Power and Light
923145	4/10/07	Danville, IL	Indy	Vegetable oil	2000 gallons	100%	Overflowed Tank	Vacuum truck, Pressure washer, Drums, & Hand tools	2 Days	N/A		Quaker Oats
923407	4/29/07	Muncie, In	Indy	PCB's	15 Gallons	~90%	Transformer that was loaded in a roll- off for disposal	Drums, Air compressor, Drum vacuum, Oil dry, Hand tools, Sample kit	2 Days	N/A		Borg Warner
923863	8/22/07	Indianapolis, In	Indy	Diesel Fuel	900 Gallons	100 %	Leaking Tank	Vacuum Truck, & Pressure washer	1 day	N/A		Peerless Pumps
923039	3/14/2007	AnnArbor, MI	Toledo, OH	Diesel Fuel	100/gal	12BBLSS	Truck Accident	Drums, Pads, absorbent boom, Bobcat	2/days	N/A		
923236	4/26/2007	Toledo, OH	Toledo, OH	Oil	2-3/gals	6/drums	Unknown?	Drums, Pads, Absorbent boom, petro green	1/day	N/A		
923773	8/1/2007	Toledo, OH	Toledo, OH	Oil	5/gal	1/drum	Leaking Drum	Drum, Floor dry, absorbent pads	4/hrs	N/A		
923861	8/22/2007	Bluffton, OH	Toledo, OH	Oil/Diesel Fuel	?		Flood @ Gerken Quarry	24'Spill Boat,Jon Boat, 800'Skirted Boom	2/days	Gerken Quarry		

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HERITAGE ENVIRONMENTAL SERVICES – 2008 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
924878	2/25/08	Versailles, KY	Louisville	Diesel fuel	150 gals	150 gals	Saddle tank on tractor	Vac truck, back hoe	2 days	Land	N/A	Osram Sylvania
925572	6/27/08	Louisville, KY	Louisville	Mercury	3 pounds	3 pounds	Thermometer	Drum vacuum	4 hours	Landno	N/A	MSD Louisville
925855	8/15/08	Louisville, KY	Louisville	Hydraulic oil	60 gals	60 gals	tractor	Drum vacuum, bobcat	1 day	Landno	N/A	Republic Conduit
	9/18/08	Jeffersonville, IN	Louisville	Mock Spill Drill-oil	200 gals	200 gals	Rail car	Boats, 1,100 feet of slick boom, hydraulic drum skimmer	1 day	Ohio River	N/A	LAIMA Group
926484	12/5/08	Lexington, KY	Louisville	WWT sludge	150 gals	150 gals	Overflow at WWT plant	Vacuum truck, drum vacuums, oil pads, 200 feet of absorbents	1 day	Land	N/A	Square D
926570	12/22/08	Louisville, KY	Louisville	oil	65 gala	65 gals	Tank containment	Vacuum truck	1 day	Land	N/A	Chevron
912384	4/8/08	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill Boat, 800' - 12" Skirt Boom	N/A	Mississippi River		BASF
912384	5/15/08	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill Boat, 800'- 12" Skirt Boom	N/A	Mississippi River		
912384	8/18/08	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill Boat, 800'- 12" Skirt Boom	N/A	Mississippi River		BASF
912384	10/14/08	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill Boat, 800'- 12" Skirt Boom	N/A	Mississippi River		BASF
912384	11/4/08	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill Boat, 800'- 12" Skirt Boom	N/A	Mississippi River		BASF
912384	11/10/08	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill Boat, 800'- 12" Skirt Boom	N/A	Mississippi River		BASF
925376	5/30/08 – 5/31/08 & 6/11/08	Portage de Sioux West Alton, MO	St Louis, MO	Diesel Fuel and Oils			Sunken Tug Boat	Spill Boat, 300'- 12" Skirt Boom, Absorbent Boom, Vacuum Trucks	3 days	Missouri River	River was to swift to place diversion and containment boom in certain areas	National Maintenance
925461	6/10/08	Hartford, IL	St Louis, MO	Diesel Fuel	Drill	Drill	Pipe Leak	50'-12"Skirted Boom, Absorbent Boom, Vacuum Truck	1 day	Drainage Ditch		Buckeye Pipeline
924962	4/4/08	Meredosia, IL	St Louis, MO	Diesel Fuel	Drill	Drill	Barge Unloading	300'-12"Skirted Boom, Spill Boat	1 day	Illinois River		Meredosia Terminal
926021	9/14/08 – 9/23/08	South Roxana, IL	St Louis, MO	Slop Oil	1 bbl	1 bbl	SWTF Overflow	Absorbent Boom, 12"Skirted Boom, Absorbent Pads, Jon Boat, Vacuum Trucks, Leaf	9 days	SWTF Pond, Little Grassy Ditch		ConocoPhillips Wood River Refinery

F-3
HERITAGE ENVIRONMENTAL SERVICES – 2008 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
								Blowers, Floto Pumps				
923349	5/14/08 – 5/28/08	Alton, IL	St Louis, MO	Diesel Fuel	120 gal	100 gals	Generator	150'-12"Skirted Boom, Absorbent Boom, Absorbent Pads, Spill Boat	14 days	Mississippi River		Argosy Gaming – Alton Bell Casino
N/A	10/6/08	Hartford, IL	St Louis, MO	Cat Cracker Feed	150 bbls	Drill	Barge Unloading	1000'-12"Skirted Boom, Spill Boat, Vacuum Truck	1 Day	Mississippi River		ConocoPhillips Wood River Refinery
924780	2/15/08	Manhattan, IL	Chicago Lemont, IL	Diesel	<40 gals	30-35 gals	Leaking Pump Seal	Vac Truck Absorbents	1 day	Land	N/A	Petroleum Co
924814	2/21/08	Harper, Iowa	Chicago Lemont,IL	Diesel	100 gals	60-70 gals	Bad Flange	Vac Truck Trackhoe Absorbents Rolloff Boxes	4-5 days	Land	N/A	Petroleum Co
924853	2/26/08	Griffith, IN	Chicago Lemont,IL	Crude Oil	50-60 gals	50-60 gals	Corrosion on Pipe	Vac Truck Hydro-X Eqiup	4 days	Storm Sewer	N/A	Petroleum Co
924958	3/1/08	Bedford Park, IL	Chicago Lemont,IL	Crude Oil	100 gals	80-90 gals	Leaking Pump Seal	Vac Trucks Absorbents	15 days	Storm Sewers	Fighting Ice Issues	Petroleum Co
925150	4/12/08	Griffith, IN	Chicago Lemont,IL	Crude Oil	500 gals	unknown	Damaged Piping	Vac Trucks Roll Off Boxes Absorbents	20 days	Contained in Tank Dike	Secure Equipment from Falling on Pipeline	Petroleum Co
925731	7/2/08	Cullom, IL	Chicago Lemont, IL	Crude Oil	40-50 gals	40-45 gals	Corrosion on Old Pipe	Vac Trucks Vacuum Boxes Absorbents	10-11 days	Land	N/A	Petroleum Co
926483	12/12/08	Colon, MI	Chicago Lemont, Il	Diesel/Gas	<100 gals	90 gals	Damage to Pipeline form Auto Accident	Vac Trucks Roll Off Boxes Absorbents	6 days	Ditch leading to Storm Sewers	N/A	Petroleum Co
924634	7/10/08	USS – Gary IN	Chicago Gary	Oil	Sheen	5 gallons	Unknown	5 bags sorbent 200 feet boom, John boat	1 Day	Little Calumet River		US Steel
924799	2/12-2/14/08	USS – Gary IN	Chicago Gary	Oil	5 gallons	5 gallons	Unknown	1600 feet of boom, 16 bags sorbent pads, Vac truck, oil skimmer, John Boat	3 days	Little Calumet River	Cold weather makes it difficult to place boom, more personnel needed	US Steel
925118	4/8-4/10/08	USS – Gary IN	Chicago Gary	Oil	5 gallons	5 gallons	Unknown	500 feet of boom, 1 bundle sorbent pads, John boat	3 days	Little Calumet River		US Steel
924710	1/30/2008	Lemont, IL	Chicago Lemont	Deicer	Unknown	1500 gallons Deicer & Water Mix	Tank Overflow	Vacuum Truck, Pressure Washer	2 Days	Ditch		Petroleum Co
924754	2/5/2008	Lemont, IL	Chicago Lemont, IL	Diesel Fuel	Unknown	200 Gallons	Tanker Overflow	100 feet Sorbent Boom & Sorbent Pads	1 Day	Ditch		Petroleum Co

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HERITAGE ENVIRONMENTAL SERVICES – 2008 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
924964	2/23/2008	Forest View, IL	Chicago Lemont, IL	Diesel Fuel	Unknown	3,000 gallons water/oil mix	Leaking Valve	Vacuum Truck, Sorbent Pads	3 Days	Land		Petroleum Company
924960	3/11/2008	Manhattan, IL	Chicago Lemont, IL	Diesel Fuel	Unknown	4-Roll Off Boxes of Cont Soil	Leaking Valve	Vacuum Truck, Roll Off Boxes	4 Days	Land		Petroleum Company
925034	3/24/2008	Chicago, IL	Chicago Lemont, IL	Diesel Fuel	Unknown	10 Drums of Sorbents	Leaking Tug Boat	400 feet Sorbent Boom & Sorbent Pads	1 Day	Chicago Sanitary Ship and Canal		
925046	3/26/2008	Lemont, IL	Chicago Lemont, IL	Antifreeze	Stand-by	N/A	Stand-by during Barge Transfer	400' Slick Boom	1 Day	Chicago Sanitary Ship and Canal		
925453	6/10/2008	Lindenhurst, IL	Chicago Lemont, IL	Hydraulic Oil	10 Gallons	10 Gallons	Boom Truck	Sorbent Pads & Oil Dry	1 Day	Ditch		
925654	7/14/2008	Hoffman Estates, IL	Chicago Lemont, IL	Diesel Fuel	Unknown	4-Roll Off Boxes of Cont Soil	Pipe leak from UST	Back Hoe & Roll Off Boxes	4 Days	Land		
925860	8/15/2008	Danville, IL	Chicago Lemont, IL	Antifreeze	5 Gallons	5 Gallons	Truck Leak	Oil Dry	1 Day	Ditch		
925885	8/21/2008	Chicago, IL	Chicago Lemont, IL	Hydraulic Oil	5 Gallons	5 Gallons	Boom Truck	Oil Dry and Sorbent Pads	1 Day	Land		
925939	9/2/2008	Palatine, IL	Chicago Lemont, IL	Diesel Fuel	Unknown	1 Drum Soil	Truck Leak	Shovels	1 Day	Land		
925997	9/11/2008	Lombard, IL	Chicago Lemont, IL	Diesel Fuel	Unknown	3 Drums of Oil/Water/ Solids	Truck Leak	Vacuum Truck, Oil Dry	1 Day	Land		
926086	9/26/2008	Willow Springs, IL	Chicago Lemont, IL	Motor Oil	Drill	Drill	Tank Rupture	OPA Trailer, ORA Boat	1 Day	Des Plaines River	Must use Jon Boat to deploy boom and even then may have to portage boat to shoreline point from where boom will be deployed	Vavoline
926172	10/9/2008	Alsip, IL	Chicago Lemont, IL	Gasoline	10 Gallons	10 Gallons	Fuel Leak on Truck	Air Compressor & Drum Vacuum	1 Day	Ditch		
926524	12/10/2008	Tinley Park, IL	Chicago Lemont, IL	Crude Oil	250 BBL	Drill	Tank Rupture	Table Top Drill	1 Day	Land/Ditch		Exxon Mobil
925795	8/8/08	River Grove, IL	Chicago Lemont, IL	Hydraulic oil	2-3 quarts	2-3 quarts	Truck accident	1 bag Oil dry, shovels	4 hours	Land	N/A	UPS
925775	8/5/08	Joliet, IL	Chicago Lemont, IL	Hydraulic oil	5-10 gallons	5-10 gallons	Cut hydraulic line on truck	2 bags Oil dry, shovels	Half-day	Land	N/A	AT&T
925201	4/25/08	Westville, IN	Chicago Lemont, IL	Chloro-trifluoromethyl benzene	4 gallons	4 gallons	Leaking package	Vermiculite	Half-day	Land	N/A	UPS

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HERITAGE ENVIRONMENTAL SERVICES – 2008 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
926475	12/5/08	Chicago, IL	Chicago Lemont, IL	Paint thinner	4 quarts	4 quarts	Unknown	Pads, oil dry	Half-day	Land	N/A	UPS
926574	12/29/08	Joliet, IL	Chicago Lemont, IL	Turbine Oil	300 gallons	300 gallons	Unknown	Pads, oil dry, Citric Clean	1 day	Land	N/A	Midwest Generation
926480	12/3/08	Lemont, IL	Chicago Lemont, IL	Diesel	Unknown	7 drums (including sorbents)	Unknown	Absorbents, 600 feet boom, 55 gal DM	2 days	Chicago Sanitary and Ship Canal	N/A	American Commercial Barge Line
924634	7/10/08	USS – Gary IN	Chicago Gary	Oil	Sheen	5 gallons	Unknown	5 bags sorbent 200 feet boom, John boat	1 Day	Little Calumet River		US Steel
924799	2/12-2/14/08	USS – Gary IN	Chicago Gary	Oil	5 gallons	5 gallons	Unknown	1600 feet of boom, 16 bags sorbent pads, Vac truck, oil skimmer, John Boat	3 days	Little Calumet River	Cold weather makes it difficult to place boom, more personnel needed	US Steel
925118	4/8-4/10/08	USS – Gary IN	Chicago Gary	Oil	5 gallons	5 gallons	Unknown	500 feet of boom, 1 bundle sorbent pads, John boat	3 days	Little Calumet River		US Steel
924634	8/13/08	USS – Gary IN	Chicago Gary, IN	Debris – Boom change	N/A	N/A	Monthly check of system	200 feet Absorbent boom John Boat	1 Day	Little Calumet River		US Steel
924634	9/15/08	USS – Gary IN	Chicago Gary, IN	Debris – Boom change	N/A	N/A	Monthly check of system	200 feet Absorbent boom John Boat	1 Day	Little Calumet River		US Steel
924634	10/2/08	USS – Gary IN	Chicago Gary, IN	Debris – Boom change	N/A	N/A	Monthly check of system	200 feet Absorbent boom John Boat	2 day	Little Calumet River		US Steel
924634	10/20/08	USS – Gary IN	Chicago Gary, IN	Debris – Boom change	N/A	N/A	Monthly check of system	200 feet Absorbent boom John Boat	1 day	Little Calumet River		US Steel
924634	12/12/08	USS – Gary IN	Chicago Gary, IN	Debris – Boom change	N/A	N/A	Monthly check of system	200 feet Absorbent boom John Boat	1 day	Little Calumet River		US Steel
924700	01/25/08	USS – Gary IN	Gary	Oil	NA	150 gals	Leaked from booster building	tanker	1 Day	Land		US Steel
925075	4/2/08	USS – Gary IN	Gary	Diesel	N/A	50 gals	Leaked from pump station	tanker	1 Day	Land		US Steel
925059	4/1 & 4/18	USS – Gary IN	Gary	Diesel	N/A	2,000 gals	Leaked from poly tanks	tanker	2 Days	Land		US Steel
925440	6/5, 6/7,7/21	USS – Gary IN	Gary	Oil	N/A	10,000 gals	Leaked from tanks in containments	tanker	3 days	Land		US Steel
925643	7/11	USS – Gary IN	Gary	Oil	N/A	500 gals	Leaked from tanks and trenches	tanker	1 day	Land		US Steel
925289	5/12,6/16,6/27,8/7,8/18,10/7	USS – Gary IN	Gary	Oil	N/A	1100 gals	NA	tanker	6 days	Land		US Steel

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HERITAGE ENVIRONMENTAL SERVICES – 2008 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
924581	1/4/2008	Indianapolis, IN	Indianapolis, IN	Diesel Fuel	100 gallons	95%	Leaking Tank	Vac trucks, Pressure washer, 20k frac tanks, CSE equipment, Spill Pads, Sorbent Boom, oil dry, drums	14 days	8 foot diameter Storm sewer		UPS
924715	2/1/2008	Indianapolis	Indianapolis, IN Indy	Hydraulic Oil	Unknown	462 gallons	Hydraulic Line broke on a trash compactor	Vac Truck, Pressure washer	1 day	Land		Roche
924719	2/4/2008	Indianapolis	Indianapolis, IN	Diesel Fuel	900 gallons	95%	Tank Containment	Vac Truck, Tankers and Crew truck	5 Days	Land		IPL
924977	3/14/2008	Indianapolis, IN	Indianapolis, IN	Motor Oil	15 gallons	99%	Truck Accident in Highway Median	Vac Truck, Excavator, Dump Trucks, Spill Pads, Sorbent Boom, oil dry	7 days	Ditch with standing water		UPS
925234	5/2/2008	Shelbyville	Indianapolis, IN	Hydraulic Oil	Unknown	300 gallons	Hydraulic Line broke on a trash compactor	Vac Truck, Pressure washer	1 day	Land		
925328	5/22/2008	Indianapolis, IN	Indianapolis, IN	Diesel Fuel	15 gallons	95%	Leaking diesel fuel tank on truck	Vac trucks, Pressure washer, John Boat, Leaf Blowers, Spill Pads, Sorbent Boom, oil dry	15 days	Storm Sewer to retention pond		AT&T
926065	9/23/2008	Indianapolis	Indianapolis, IN	Gasoline	10 gallons	95%	Traffic Accident	Absorbent & Hand Tools	4 hours	No		AT&T
926485	11/1/2008	Remington, IN	Indianapolis, IN	Diesel Fuel	80 gallons	99%	Truck Accident in Highway Median	Excavator, Dump Trucks, Spill Pads, Sorbent Boom, oil dry, drums	9 days	Ditch		UPS
926496	12/9/2008	Indianapolis	Indianapolis, IN	Diesel Fuel	50 gallons	100%	Leaking fuel tank on semi truck	Vac Truck and Absorbents	1 day	No	It is impossible to to get all of the petroleum out of an asphalt parking lot	Eli Lilly & Co
926554	12/20/2008	Indianapolis	Indianapolis, IN	Hydraulic Oil	38	100%	Hydraulic Line in Elevator pit broke	Vac Truck	1 day	No		Eli Lilly & Co

CONFIDENTIAL - THIS INFORMATION IS ONLY CERTIFIABLE IF CLIENT MAINTAINS A VALID EXHIBIT F.

Jarrett Industries, Inc
P.O. Box 76
Wood River, IL 62095

9/16/06

Prep exercise for 2006

Senario: Leak of diesel fuel from pipe into Wood River Inland Channel

Conditions: Cool 65 F. Wind from south west. Sunny.

Participants

Mike Young
Andy Clark
Eric Phillips
Jim Dittmaier

Equipment deployed and evercised

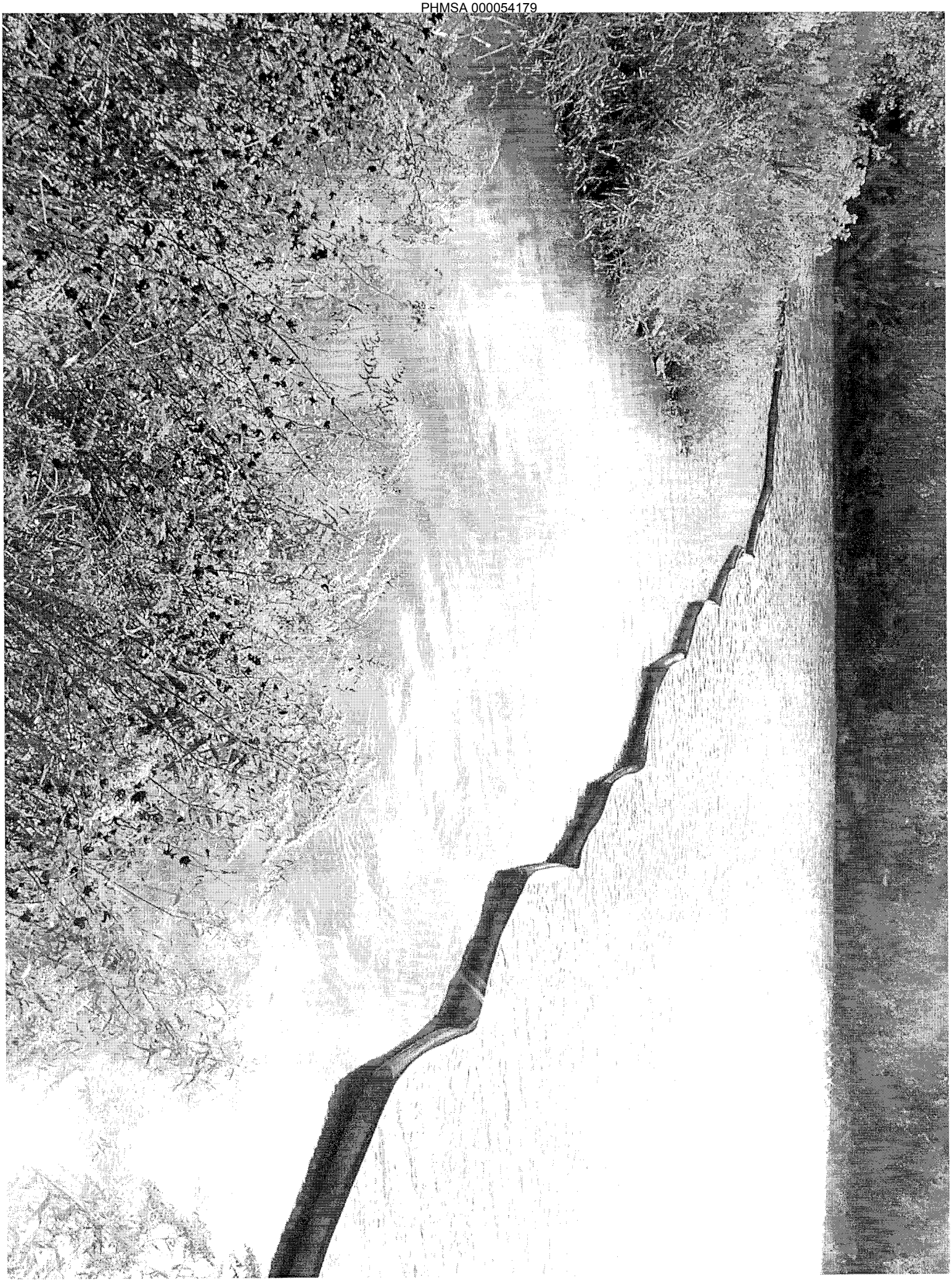
Vac truck, response trailer, boom trailer, 1000 feet of boom, pick up and one ton.

7:41 am – Notification of release.

7:56 am – Respond to site near Rt 3 and Rt 143 in Wood River. Mobilization included manpower and equipment necessary to stop source of leak and to contain, remove and remediate oil from affected body of water.

8:05 am – Begin deployment of 200 feet of 8" boom with 8" curtain. Vac truck in position for removal. All employees outfitted for river oil spill recovery conditions.

8:46 am – Boom fully deployed. Oil collected from NE corner of the contained area using hose-end skimmers. Touch up with polypropylene sorbent. All materials transported according to applicable regulations and recycled/disposed of accordingly.





HI-DRI
HI-DRI
HI-DRI

9761 P

Jarrett Ind. Inc.
P.O. Box 76, 19 West Ferguson
Wood River, IL 62095

April 24, 2007

B.P. Mkt
ATTN: Vern St. Peters

Dear Mr. St. Peters:

Here is the information on the emergency response drill.

Please feel free to call me at 618-779-2944, should you have any questions.

Sincerely,

Mike Young
Operations Manager

Response Report: Spill in Chanel (Drill)

Date: 4/24/07
Time: 7:47 a.m.
Report: Diesel fuel spill indicated in channel, amount unknown

At 8:18 a response crew of six persons including the supervisor arrived on site. They responded with three vehicles, including a vacuum truck, 500 feet of floating boom, sorbent pads and the response trailer with miscellaneous equipment. The temperature at the time was 60^0F, with a slight breeze from the NW and partly cloudy.

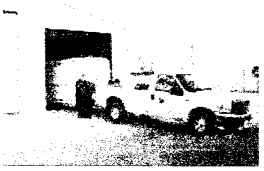
At 8:29 the crew began boom deployment.

At 8:41 the entire boom had been deployed, the spill was contained and the vacuum truck began skimming to recover the spilled material.

At 8:45 sorbent pads were applied to collect other material.

At 9:15 the spill drill was concluded and equipment was demobilized.

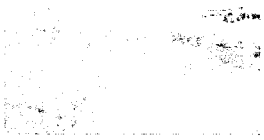

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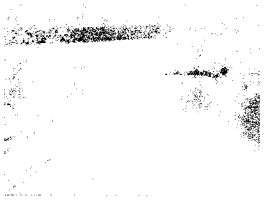

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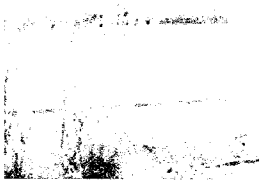

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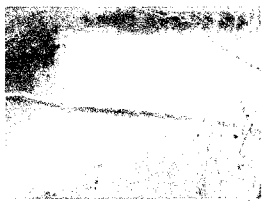

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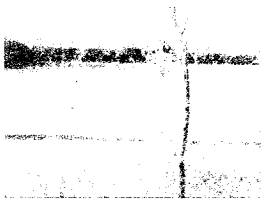

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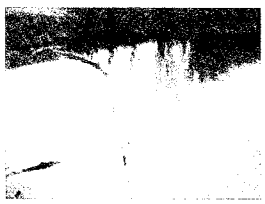

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TO: Anne Moore

From: Bobbi w/Jarrett Industries
C18/251-4116

Preparedness for Response Exercise Program (PREP)
Practice Drill

Scenario

Date: 06/10/08
Weather: 78^0 F
Wind: 0 - 5 mph

A spill was reported at the Hartford Tank Facility which allowed approximately 2,000 gallons of gasoline to flow in drainage area towards the Mississippi River. The response included blocking the drainage area and deploying sorbents and boom to mitigate a release to the river.

Responding were 5 technicians, 1 Supervisor with 1 Vacuum Truck, 1 Response Trailer, 2 Pickup Trucks and appropriate oil containment supplies.

At 9:00 AM the call was made to Supervisor of the release.

At 9:25 AM the Responders were on scene.

At 9:35 AM 100' of containment boom was deployed and in place.

Oil was contained, removed and properly disposed of.

Responders:

Mike Young, Supervisor
Jim Dittmaier, HazMat Technician
Johnny Boomershine, HazMat Technician
Ted Booten, HazMat Technician
Anthony Rickert, HazMat Technician
George Steware, HazMat Technician

HAZARDOUS WASTE CONTINGENCY PLAN

The requirements for a hazardous waste contingency plan, as outlined in 40 CFR 265.52 indicate that "if the owner or operator has already prepared a SPCC Plan in accordance with 40 CFR 112, or some other emergency or contingency plan, he need only amend that plan to incorporate hazardous waste management provisions". As demonstrated in the table below, the terminal's existing OPA-90 Facility Response Plan (FRP) contains the items required for the hazardous waste contingency plan. The table outlines the required content of a contingency plan and the location within the FRP where the item is addressed. This FRP has been prepared to respond to a worst-case discharge of oil and can be readily applied to a release of hazardous waste from a wastewater treatment system or from hazardous waste that may be periodically generated elsewhere at the facility. Copies of the plans are maintained in the Terminal Technician's office or with other major HSSE documents/records.

http://www.trpcorp.com/bp_pipeline_new/electronic_plan/html_files/index_sort.asp

Hazardous Waste Contingency Plan Requirement	Location in Equivalent Emergency Plan	Regulatory Citation
Procedures to respond to fires, explosions, releases	Section 2 Initial Response Actions	40 CFR 265.52(a)
Arrangements with local Police, Fire, Hospitals	Section 4.6 Incident Management Team (IMT) Job Description Checklists	40 CFR 265.52(c)
Arrangements with contractors	Appendix B Contractor Response Equipment	40 CFR 265.52(c)
Primary emergency coordinator and alternate (name, phone)	Figure 3.1-3 Internal Notifications and Telephone Numbers	40 CFR 265.52(d)
List of emergency equipment	Section 7.1.1 Sustained Response Actions and Appendix B Contractor Response Equipment	40 CFR 265.52(e)
Location and description of the emergency equipment capabilities	Section 7.1.1 Sustained Response Actions and Appendix B Contractor Response Equipment	40 CFR 265.52(e)
Evacuation Plan, including primary and alternate routes and communication signals	Section 2 Initial Response Actions and Section 4.4 Incident Command System/Unified Command	40 CFR 265.52(f)

IMPLEMENTATION

The provisions of this contingency plan will be carried out immediately whenever there is a fire, explosion, or release of hazardous waste, which could threaten human health or the environment.

ARRANGEMENTS WITH LOCAL EMERGENCY AGENCIES

A letter has been sent to the following emergency response agencies outlining their response role in the event of fire, explosion, or release of hazardous waste. The letter provides a brief overview of the properties of hazardous waste potentially generated due to maintenance or ongoing terminal operations and properties of hazardous waste potentially generated in the event of a spill/release of hydrocarbons. Copies of these letters are contained in the Hazwoper Plan.

RESPONSE ROLES

Fire Department: Evaluate the situation and determine if evacuation is necessary and if assistance is needed. Determine proper course of action and coordinate efforts to contain and control the emergency.

Police Department: To assist the Fire Department and provide traffic control, if necessary during the emergency.

Hospital: To provide 24-hour emergency medical service.

Hazardous Waste Clean-up Contractors: To provide 24-hour emergency response crews who will provide containment, clean up, and disposal services of hazardous waste, as needed.

HAZARDOUS WASTE POTENTIALLY GENERATED ON-SITE

As part of its routine operations, terminal facilities may generate the following hazardous wastes: Oily water (from prover water draws, stormwater, etc), tank bottoms/sludges, saturated oily rags or absorbent spill pads, etc. It should be noted, however, that additional wastes may be generated non-routinely as the result of maintenance, including, but not limited to activities such as tank cleaning, tank sandblasting, painting, and contaminated soil excavation in the event of a release or spill of oil or capital construction. The following list of hazardous wastes and their characteristics are based upon those wastes which have historically been generated by terminal facilities:

Waste Stream Name	Potential Hazardous Characteristic
Tank bottoms, sludge, scale	Sometimes toxic for Benzene
Contaminated soil	Sometimes toxic for Benzene or Lead
Waste paint/thinners	Ignitable or Toxic for Lead
Spent sandblast media	Sometimes Toxic for Lead
Spent Solvents	Hazardous if Flammable.
Used Oil	Exempt if recycled
Batteries	Exempt if recycled
Oily Water	Exempt if recoverable product is sent for fuels blending. Otherwise, sometimes toxic for benzene or sometimes ignitable.
Oily rags, absorbent pads, plastic, PPE	Non-hazardous per Petroleum Debris Exclusion. If saturated, however, sometimes ignitable.

BP Products NA, Inc.
Wood River Terminal
P.O. Box 178
Hartford, IL 62048

Certified Mail – Return Receipt Requested

August 12, 2010

Alexander C. Tzallas, FRP Coordinator
Emergency Response Section 2 (SE-5J)
U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, IL 60604

RE: Five (5) Year Facility Response Plan Review (FRP0500156) and Request for Information Pursuant to Sections 308 and 311 of the Clean Water Act, 33 U.S.C. 1318 and 1321

Dear Mr. Tzallas:

This letter and the enclosed information / documentation will serve as our response to your Request for Information, dated July 14, 2010. The attached information covers the time period from July 1, 2007 to July 1, 2010. I have marked, with an X, those items in the list below that are included herewith. Any item that is not applicable to this facility has been marked N/A and an explanation is provided.

1. Quarterly Qualified Individual Notification Drill Logs __X__
2. Annual Spill Management Team Tabletop Drill Logs __X__
3. Semi-annual (facility-owned) Equipment Deployment exercise records N/A -- We do not have such facility-owned equipment (e.g. boat, boom, skimmer)
4. Personnel Response Training Logs __X__
5. Discharge Prevention Meeting Logs __X__
6. Tank Inspection Logs __X__
7. Records regarding completed secondary containment inspections __X__
8. Response Equipment Testing and Deployment Drill Logs N/A -- We do not have such facility-owned equipment (e.g. boat, boom, skimmer)
9. Response Equipment Checklists N/A -- We do not have such facility-owned equipment (e.g. boat, boom, skimmer)
10. Response Equipment Inspection Logs N/A -- We do not have such facility-owned equipment (e.g. boat, boom, skimmer)

Updates to subject Facility Response Plan, resulting from your review, will be sent to you under separate cover, by Technical Response Planning Corporation.

If you have any questions, please contact me at (618) 254-7630.

Sincerely,

Vernon St. Peters
Terminal Manager

cc: Joe Estep, District Operations Manager
Mike Cunningham, Area Manager
Jeff Piatt, Environmental Coordinator
Ron Bozarth, Sr. Emergency Preparedness & Crisis Mgmt Advisor
Greg Desmond, Sr. Project Manager, Technical Response Planning Corp.

Quarterly Qualified Individual Notification Drill Logs

&

Annual Spill Management Team Tabletop Drill Logs

These drills are documented on the Three Year OPA 1990 Drill Log

Three Year Oil Pollution Act of 1990 Drill Log

Facility Name: Wood River Terminal

Location: Wood River, Illinois

Drill Type	Document Completed Drills with Drill Date and Initials		
	Year 2009	Year 10	Year _____
QI Notification Drill			
1st Qtr	3-11-09 TP	3-1-10 TP	
2nd Qtr	6-3-09 TP	6-2-10 TP	
3rd Qtr	9-2-09 TP		
4th Qtr	12-3-09 TP		
Annual PREP Tabletop Exercise (indicate scenario type: Small, Medium or Worst Case)	8-13-2009 Medium Most Likely VS		
Agency/OSRO Telephone Notification Drill 1st Half of Year	June Eric Phillips VS	June 29, 2010 12 mins Dianne Selhime	
2nd Half of Year	December Dianne Selhime VS		
Facility Owned Equipment Deployment 1st Half of Year	Fire Extinguishers only. VS Inspected Monthly		
2nd Half of Year	December VS Fire Extinguishers only		

Contractor Owned Equipment Deployment (obtain documentation annually)	December 2009 Additive Spill 5-29-09 VS		
Agency Unannounced Drill (As requested)			
Area Exercise (As requested)			

Revised February 14, 1997

Figure 1.8.2-1
Oil Pollution Act of 1990
Three Year Drill Log

Facility Name: Wood River Terminal

Location: Hartford, IL

Drill Type	Document Completed Drills with Drill Date and Initials		
	Year 06	Year 07	Year 08
QI Notification Drill			
1st Qtr	2-17-06 TP	3-13-07 TP	3-11-08 TP
2nd Qtr	6-13-06 TP	6-12-07 TP	6-10-08 TP
3rd Qtr	8-3-06 TP	9-24-07 TP	Performed notification but lost documentation TP
4th Qtr	11-13-06 TP	12-20-07 TP	12-10-08 TP
Annual Tabletop Drill	6-22-06 VS	8-16-07 VS	8-7&8-08 WC VS
Contractor Owned Equipment Deployment	4-7-06 VS	6-19-07 VS	6-10-08 VS
Agency Unannounced Drill (As requested)			
Area Drill (As requested)			

Personnel Response Training Logs

Note: 2010 personnel response training has not yet been completed

BP Pipeline & Logistics
2009 HAZWOPER REFRESHER / TABLETOP EXERCISE
Wood River Terminal
August 13, 2009

e) Spill Management Team's ability to operate within a Unified Command:

Due to the size of the spill, it was thought that the only outside agency to respond would be the Fire Dept and UC would be unnecessary.

f) Spill Management Team's ability to access sensitive site and resource information in the Area Contingency Plan:

Due to the size of the spill and that it was confined on-site, sensitive areas were considered not to be at risk but the section of the plan was consulted to determine what would be potentially impacted.

7. Identify which of the 15 core components of your response plan were exercised during this particular exercise:

X	Notifications	X	Disposal
	Staff Mobilization	X	Communications
X	Operate in Response Mgmt. System		Transportation
X	Discharge Control		Personnel Support
X	Assessment		Equipment Maintenance
X	Containment		Procurement
	Recovery	X	Documentation
	Protection of Sensitive Areas		

8. Attach description of lesson(s) learned and person(s) responsible for follow up of corrective measures.

James D. Kirk
Sr. Emergency Management Consultant
O'Brien's Response Management, Inc.

Niell Irvin
Manager of Consulting Services
O'Brien's Response Management, Inc.

Retain this form for a minimum of three (3) years (for USCG/RSPA/MMS) or five (5) years (for EPA).

Date: 08/13/2009

BP Pipeline and Logistics

REGENU 201, Emergency Response Dr. 11/0PA90; REGENU 199 SPEC-Refresher - CC

	Printed Name for Certificate (PLEASE PRINT NEATLY)	Email address / Phone Number	BP Employee?	BP Employees - if you work at a different terminal please fill in your regular work location	If not BP Employee - Fill in your Agency / Company Name
1	Jeff Piatt	Jeff.Piatt@bp.com 618-580-0322	☒Y ☐N		
2	Phil Smith	Philip.E.Smith@BP.com 618 254-0695 x122	☒Y ☐N		
3	Tammy Perry	Crawfotm@bp.com 618 254-0695 x111	☒Y ☐N		
4	Lisa Wahl	Lisa.Wahl@bp.com 618 254-0695 x114	☒Y ☐N		
5	Vernon St. Peters	StPetVH@BP.Com 618-254-7630	☒Y ☐N		
6	Brad Tonsor	[illegible] brad.tonsor@bp 618-779-2292	☒Y ☐N		
7	Justin Dever	Justin.Dever@BP.com 618-74-8037	☒Y ☐N		
8	Eric Phillips	Eric.Phillips@BP.com 618-467-0992	☒Y ☐N		
9	Robert Edmundson	Robert.Edmundson@BP.com (618) 254-0695 ext 122	☒Y ☐N		
10	Tim McGee	Timothy.McGee@bp.com 618-254-0695 x122	☒Y ☐N		
11	Justin Simpson	Justin.Simpson@BP.com 618-254-0695	☒Y ☐N		
12			☐Y ☐N		

Training Location: Wood River IL

Instructor Signature: James D Eiske

PHMSA 00005420

BP Pipelines & Logistics
2008 HAZWOPER Training and PLARRC Tabletop Exercise
Wood River, Illinois
August 7-8, 2008

A-3 CERTIFICATES OF COMPLETION

Wallet Cards were distributed at the end of class

Date: 8 / 7 / 2008

BP Pipeline and Logistics

Printed Name for Certificate (PLEASE PRINT NEATLY)	Email address / Phone Number	BP Employee?	BP Employees - if you work at a different terminal please fill in your regular work location	If not BP Employee - Fill in your Agency / Company Name
1 VERNON St. PETERS	StPeteVH@BP.com	☒Y ☐N		
2 Tammy Crawford	Crawfotm@bp.com	☒Y ☐N		
3 JUSTIN E. NEUER	JUSTIN.NEUER@BP.COM	☒Y ☐N		
4 Eric J Phillips	Eric.Phillips@BP.com	☒Y ☐N		
5 Dianne Selhime	selhimdm@bp.com	☒Y ☐N		
6 Timothy A. McGee	Timothy.McGee@bp.com	☒Y ☐N		
7 JUSTIN R. SIMPSON	JUSTIN.SIMPSON@BP.COM	☒Y ☐N		
8 Robert Edmundson	Robert.Edmundson@bp.com	☒Y ☐N		
9 Bobby TALley	Bobby.TALley@bp.com	☒Y ☐N	Naperville, IL. Bldg 502	
10 Marsha Mezenski	mezensml@bp.com 330-220-6676	☒Y ☐N	Cleveland, OH (home based)	
11 Richard D. Hill	HillRK@BP.com	☒Y ☐N		
12 Mirra Jeffeson	Vanzanare@bp.com 618-254-0695 x119	☒Y ☐N		

Location: Wood River, IL

Instructor Signature:

PHMSA 000054203

BP Products

2007 HAZWOPER REFRESHER / TABLETOP EXERCISE
Wood River Terminal
Hartford, Illinois
August 16, 2007

d) Spill Management Team's ability to access contracted Oil Spill Removal Organizations:

The OSRO representative participated in the exercise and contributed to the successful execution. He confirmed the estimated response information found in the plan.

e) Spill Management Team's ability to operate within a Unified Command:

Unified Command was established including public response agencies (Fire, Police, and EMS). Hartford Fire Dept participated with two reps in the exercise.

f) Spill Management Team's ability to access sensitive site and resource information in the Area Contingency Plan:

Due to the size of the spill and that it remained within containment, no sensitive areas were considered to be at risk. The plan was consulted, however, to assure the information was available.

7. Identify which of the 15 core components of your response plan were exercised during this particular exercise:

X	Notifications		Disposal
	Staff Mobilization	X	Communications
X	Operate in Response Mgmt. System	X	Transportation
X	Discharge Control	X	Personnel Support
X	Assessment		Equipment Maintenance
X	Containment		Procurement
X	Recovery	X	Documentation
	Protection of Sensitive Areas		

8. Attach description of lesson(s) learned and person(s) responsible for follow up of corrective measures.

Lessons Learned are in Section 5.0 of this Final Report.

James D. Kirk

James D. Kirk, Trainer
Response Management Associates, Inc.

Retain this form for a minimum of three (3) years
(for USCG/RSPA/MMS) or five (5) years (for EPA).

Date: 08/16/2007

BP PRODUCTS

	Printed Name for Certificate (PLEASE PRINT NEATLY)	PRINTED FULL LEGAL NAME	Email address / Phone Number	BP Employee?	If not BP Employee - Fill in your Agency / Company Name
1	VERNON ST. PETERS	VERNON H. ST. PETERS	STPETEVH@BP.COM	☑ Yes ☐ No	
2	Michael Young	Michael T. Young	mikey@synergyenvirotech 618-251-4116	☐ Yes ☑ No	Jarrett Ind. Inc.
3	KENNETH PAPE	KENNETH E. PAPE	Pape.KE@BP.com 219-736-5866	☑ Yes ☐ No	
4	Matt Preston	Matthew R. Preston	mpresto@siue.edu	☐ Yes ☑ No	HFD
5	David W. Owens II	David W. Owens II	david.v.owens@conocophillips.com	☐ Yes ☑ No	Hartford Fire Dept.
6	PHIL SMITH	PHILIP E. SMITH	SMITHPE@BP.COM	☒ Yes ☐ No	
7	Richard D. Hill	Richard D. Hill	HillRK@B.P.com	☒ Yes ☐ No	#
8	Brad M Torsor	Brad M. Torsor	torsbm@bp.com	☒ Yes ☐ No	
9				☐ Yes ☐ No	
10				☐ Yes ☐ No	
11				☐ Yes ☐ No	
12				☐ Yes ☐ No	
13				☐ Yes ☐ No	

LOCATION: WOOD RIVER / HARTFORD TERMINAL

Instructor Signature: James D. Kirk

James D. Kirk

BP Employees sign in near top / Non-BP Employees please sign in near bottom and write in your company/agency name.

PHMSA 00005420S

Discharge Prevention Meeting Logs

A separate Discharge Prevention Meeting log is not maintained. Discharge Prevention Meetings are conducted at least annually as part of the required annual SPCC training. The SPCC training covers:

- **Operation & maintenance of equipment to prevent discharges**
- **Discharge and discharge prevention procedure protocols**
- **Applicable laws, rules and regulations**
- **General facility operations**
- **Contents of the SPCC plan**

Copies of the SPCC training sign-in sheets for 2007 – 2009 are attached.

note: SPCC training for 2010 has not yet been completed.

SPCC Training Requirements

- "Oil-handling" personnel (i.e., Terminal Managers, Technicians and Operators) must be trained in the following:
  - Operation & maintenance of equipment to prevent discharges.
  - Discharge procedure protocols.
  - Applicable laws, rules, and regulations
  - General facility operations
  - Contents of the SPCC plan
- Terminal Manager is responsible for discharge prevention
- Discharge briefings conducted at least once per year

PHMSA 000054207

Date: 08 / 13 / 2009

BP Pipeline and Logistics

REGENU 201, Emergency Response Dr. 11/OPA90, REGENU 199 SPEC-Refresher-CL

	Printed Name for Certificate (PLEASE PRINT NEATLY)	Email address / Phone Number	BP Employee?	BP Employees - if you work at a different terminal please fill in your regular work location	If not BP Employee - Fill in your Agency / Company Name
1	Jeff Piatt	Jeff.Piatt@bp.com 618-580-0322	☒Y ☐N		
2	Phil Smith	Philip.E.Smith@BP.com 618 254-0695 x122	☒Y ☐N		
3	Tammy Perry	Crawfotm@bp.com 618 254-0695 x111	☒Y ☐N		
4	Lisa Wahl	Lisa.Wahl@bp.com 618 254-0695 x114	☒Y ☐N		
5	Vernon St. Peters	STPetVH@BP.Com 618.254-7630	☒Y ☐N		
6	Brad Tonsor	~~Brad.Tonsor2002~~ Brad.tonsor@bp 618-779-2292	☒Y ☐N		
7	Justin Decker	Justin.DeckerC@BP.com 618-74-8037	☒Y ☐N		
8	Eric Phillips	Eric.Phillips@BP.com 618-467-0992	☒Y ☐N		
9	Robert Edmundson	Robert.Edmundson@BP.com (618) 254-0695 ext 122	☒Y ☐N		
10	Tim McGee	Timothy.McGee@bp.com 618-254-0695 xt 122	☒Y ☐N		
11	Justin Simpson	Justin.Simpson@BP.com 618-254-0695	☒Y ☐N		
12			☐Y ☐N		

Training Location: Wood River IL

Instructor Signature: James D Kirk

PHMSA 000054208

bp

WOOD RIVER TERMINAL

Region: Midwest **District:** Mid-America

SAFETY MEETING ATTENDANCE SIGN-IN

REGENV 208
REGENV 253
REGENV 242
REGENV 219
REGENV 205, 206. (SPCC)

DATE: *October 9, 2008*

TOPICS: RCRA, SPCC, Air Permit, Water **VTA CODE:**

	PRINT NAME	SIGNATURE
1	Vernon St. Peters	Vernon St Peters
2	Phil Smith	
3	Tim McGee	Tim McGee
4	Robert Edmundson	Robert Edmundson
5	Eric Phillips	Eric Phillips
6	Justin Dover	Justin E Dover
7	Richard Hill	Richard Hill
8	Justin Simpson	Justin Simpson
9	Brad Tonsor	Brad Tonsor
10	Dianne Selhime	Dianne Selhime
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Vernon St. Peters, Terminal Manager

INSTRUCTOR: Jeff Piatt **DURATION:** 2.5 hours

A copy of all attendance sheets and quizzes will be forwarded to Elaine Prevatte at the Merrillville Training Center. If VTA entry support is needed, please indicate to Elaine in your communications. Any VTA entry support that may be provided locally is greatly appreciated.

Elaine Prevatte Fax # (219) 736-6495

bp

WOOD RIVER TERMINAL

HAZARD AWARENESS, RCRA,SPCC TRAINING ATTENDANCE

WEDNESDAY, DECEMBER 12, 2007

Presenters: Alan Rohr & Jeff Piatt

1	Vernon St Peters
2	Dean Hill
3	Eric Phillips
4	Robert Edmundson
5	Jim LaBrie
6	Kristin Simpson
7	Dianna Selkirne
8	Jim Lutter
9	Lisa Wahl
10	Tammy Crawford
11	
12	
13	
14	Alicia Jefferson
15	
16	
17	
18	
19	
20	
21	
22	

FACILITATED BY: Vernon St Peters

Vernon St. Peters, Terminal Manager

Tank Inspection Logs
&
Records regarding completed secondary containment inspections

BP tracks its tank and secondary containment inspections through BP's Compliance Task Management (CTM) system. The inspections are performed by facility personnel. Each month a reminder task is signed off by the Terminal Manager after the Terminal Manager confirms that the monthly tank inspections have been completed for each tank, including the inspection of the tank dikes (secondary containment). The attached report (log) is generated from BP's CTM system. The attached report is for the July 1, 2007 – July 1, 2010 timeframe. Also attached is a completed tank inspection form.

Terminal	Task Id	Task Statement	Task Description	Task Owner	Due Date	Task Completion Date	Closed By Name	Follow Up Comments
USPL - WOOD RIVER TERMINAL	271664	Env--API-653 Monthly Inspection	API-653 requires monthly external inspections to be performed for all aboveground storage tanks to check for structural integrity. Inspection checklist can be found in SOP-402. Inspection report must be completed, signed by the Inspector or Supervisor, and maintained in the tank files.	St Peters, Vernon	7/31/2007	7/27/07	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	284133	Env--API-653 Monthly Inspection	API-653 requires monthly external inspections to be performed for all aboveground storage tanks to check for structural integrity. Inspection checklist can be found in SOP-402. Inspection report must be completed, signed by the Inspector or Supervisor, and maintained in the tank files.	St Peters, Vernon	8/31/2007	8/27/07	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	296862	Env--API-653 Monthly Inspection	API-653 requires monthly external inspections to be performed for all aboveground storage tanks to check for structural integrity. Inspection checklist can be found in SOP-402. Inspection report must be completed, signed by the Inspector or Supervisor, and maintained in the tank files.	St Peters, Vernon	9/30/2007	9/27/07	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	309114	Env--API-653 Monthly Inspection	API-653 requires monthly external inspections to be performed for all aboveground storage tanks to check for structural integrity. Inspection checklist can be found in SOP-402. Inspection report must be completed, signed by the Inspector or Supervisor, and maintained in the tank files.	St Peters, Vernon	10/31/2007	10/29/07	Vernon St Peters	

PHMSA 000054212

Terminal	Task Id	Task Statement	Task Description	Task Owner	Due Date	Task Completion Date	Closed By Name	Follow Up Comments
USPL - WOOD RIVER TERMINAL	322405	Env--API-653 Monthly Inspection	API-653 requires monthly external inspections to be performed for all aboveground storage tanks to check for structural integrity. Inspection checklist can be found in SOP-402. Inspection report must be completed, signed by the Inspector or Supervisor, and maintained in the tank files.	St Peters, Vernon	11/30/2007	11/27/07	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	337336	Env--API-653 Monthly Inspection	API-653 requires monthly external inspections to be performed for all aboveground storage tanks to check for structural integrity. Inspection checklist can be found in SOP-402. Inspection report must be completed, signed by the Inspector or Supervisor, and maintained in the tank files.	St Peters, Vernon	12/31/2007	12/26/07	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	347504	Env--API-653 Monthly Inspection	API-653 requires monthly external inspections to be performed for all aboveground storage tanks to check for structural integrity. Inspection checklist can be found in SOP-402. Inspection report must be completed, signed by the Inspector or Supervisor, and maintained in the tank files.	St Peters, Vernon	1/31/2008	1/31/08	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	359273	Env--API-653 Monthly Inspection	API-653 requires monthly external inspections to be performed for all aboveground storage tanks to check for structural integrity. Inspection checklist can be found in SOP-402. Inspection report must be completed, signed by the Inspector or Supervisor, and maintained in the tank files.	St Peters, Vernon	2/29/2008	2/26/08	Vernon St Peters	

PHMSA 000054213

Terminal	Task Id	Task Statement	Task Description	Task Owner	Due Date	Task Completion Date	Closed By Name	Follow Up Comments
USPL - WOOD RIVER TERMINAL	368105	Env--API-653 Monthly Inspection	API-653 requires monthly external inspections to be performed for all aboveground storage tanks to check for structural integrity. Inspection checklist can be found in SOP-402. Inspection report must be completed, signed by the Inspector or Supervisor, and maintained in the tank files.	St Peters, Vernon	3/31/2008	3/31/08	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	380188	Env--API-653 Monthly Inspection	API-653 requires monthly external inspections to be performed for all aboveground storage tanks to check for structural integrity. Inspection checklist can be found in SOP-402. Inspection report must be completed, signed by the Inspector or Supervisor, and maintained in the tank files.	St Peters, Vernon	4/30/2008	4/29/08	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	387675	Env--API-653 Monthly Inspection	API-653 requires monthly external inspections to be performed for all aboveground storage tanks to check for structural integrity. Inspection checklist can be found in SOP-402. Inspection report must be completed, signed by the Inspector or Supervisor, and maintained in the tank files.	St Peters, Vernon	5/31/2008	5/29/08	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	396068	Env--API-653 Monthly Inspection	API-653 requires monthly external inspections to be performed for all aboveground storage tanks to check for structural integrity. Inspection checklist can be found in SOP-402. Inspection report must be completed, signed by the Inspector or Supervisor, and maintained in the tank files.	St Peters, Vernon	6/30/2008	6/30/08	Vernon St Peters	

PHMSA 000054214

Terminal	Task Id	Task Statement	Task Description	Task Owner	Due Date	Task Completion Date	Closed By Name	Follow Up Comments
USPL - WOOD RIVER TERMINAL	407300	Env--API-653 Monthly Inspection	API-653 requires monthly external inspections to be performed for all aboveground storage tanks to check for structural integrity. Inspection checklist can be found in SOP-402. Inspection report must be completed, signed by the Inspector or Supervisor, and maintained in the tank files.	St Peters, Vernon	7/31/2008	7/30/08	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	410130	DOT / Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	8/13/2008	8/7/08	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	422827	DOT / Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	9/10/2008	9/8/08	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	436859	DOT / Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	10/8/2008	10/6/08	Vernon St Peters	

PHMSA 000054215

Terminal	Task Id	Task Statement	Task Description		Task Owner	Due Date	Task Completion Date	Closed By Name	Follow Up Comments
USPL - WOOD RIVER TERMINAL	448418	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.		St Peters, Vernon	11/12/2008	11/5/08	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	458920	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.		St Peters, Vernon	12/10/2008	12/9/08	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	478668	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.		St Peters, Vernon	1/14/2009	1/13/09	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	490806	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.		St Peters, Vernon	2/11/2009	2/1/09	Vernon St Peters	

PHMSA 000054216

Terminal	Task Id	Task Statement	Task Description	Task Owner	Due Date	Task Completion Date	Closed By Name	Follow Up Comments
USPL - WOOD RIVER TERMINAL	512312	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	3/11/2009	2/28/09	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	521972	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	4/8/2009	3/27/09	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	530202	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	5/13/2009	4/29/09	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	552821	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	6/10/2009	6/1/09	Vernon St Peters	

PHMSA 000054217

Terminal	Task Id	Task Statement	Task Description	Task Owner	Due Date	Task Completion Date	Closed By Name	Follow Up Comments
USPL - WOOD RIVER TERMINAL	564819	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	7/8/2009	6/29/09	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	579317	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	8/12/2009	8/7/09	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	590653	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	9/9/2009	9/1/09	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	599756	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	10/14/2009	9/30/09	Vernon St Peters	

PHMSA 000054218

Terminal	Task Id	Task Statement	Task Description	Task Owner	Due Date	Task Completion Date	Closed By Name	Follow Up Comments
USPL - WOOD RIVER TERMINAL	610268	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	11/11/2009	10/28/09	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	616228	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	12/9/2009	11/30/09	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	628266	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	1/13/2010	12/31/09	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	647860	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	2/10/2010	2/4/10	Vernon St Peters	

PHMSA 000054219

Terminal	Task Id	Task Statement	Task Description	Task Owner	Due Date	Task Completion Date	Closed By Name	Follow Up Comments
USPL - WOOD RIVER TERMINAL	658753	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	3/10/2010	3/3/10	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	667592	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	4/14/2010	4/13/10	Vernon St Peters	
USPL - WOOD RIVER TERMINAL	690919	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	5/12/2010	5/6/10	Vernon St Peters	Maximo
USPL - WOOD RIVER TERMINAL	699362	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	6/9/2010	6/3/10	Vernon St Peters	

PHMSA 000054220

Terminal	Task Id	Task Statement	Task Description	Task Owner	Due Date	Task Completion Date	Closed By Name	Follow Up Comments
USPL - WOOD RIVER TERMINAL	708127	DOT - Pipeline - Inspect Breakout Tanks Per API 653 (Monthly)	OQ Certification is required to perform this task. This task consists of routine (monthly) in-service maintenance and inspection activities referenced in section 4.3.1 of API Standard 653, and are also cover by DOT, Part 195.432.	St Peters, Vernon	7/14/2010	7/8/10	Vernon St Peters	

PHMSA 000054221

bp
BP Terminals & Logistics
O&M Manual

Monthly Inspection of In-Service Breakout Tanks
Form # F-195.432(b)M

Data Required:

Terminal: Wood River Breakout Tank #: 107 Date: 1/30/09

Inspector: RE Product: RBOB Level: 38.03

N.S.P.S. is any tank built or modified after July 23, 1984.
For example, the installation of an internal floating roof.
If this tank is considered an *N.S.P.S. per 40 CFR Part 60.110b,
- Item #19 must be filled out ***monthly*** per 40 CFR Part 60.116b
- Item #23 must be performed and documented ***annually*** per 40 CFR Part 60.113b

	Yes	No
1. Are there any indications of product leakage from tank?		✓
2. Is there any distortion of tank shell?		✓
3. Are there any signs of tank settlement since last inspection?		✓
4. Are there any signs of significant corrosion since last inspection?		✓
5. Are tank appurtenances in unsatisfactory condition?		✓
6. If tank has concrete or asphalt ringwall, are there sings of failure?		✓
7. If the tank is insulated, are there any signs of failure?		N/A
8. If the tank is heated, are there any steam/hot oil leaks?		N/A
9. If roof inspection hatches are safely accessible and protected from fall s by railing, is there any liquid on the internal floating roof?		✓
10. Are there cracks, missing panels or any damage to the geodesic dome?		✓
11. Are tank grounding cables or connections in need of repair?		✓
12. Are valves before or after pressure relief valves closed?		✓
13. Is the tank pain in an unsatisfactory condition?		✓
14. Is any of the tank chime area covered with soil, weeds, or trash?		✓
15. Are flat areas or voids on the cone roof permitting water to collect?		N/A
16. Are stairs, platforms or handrails corroded, rusty or in need of repair?		✓
17. Are dike water drain valves or collection pits in need of repair?		✓
18. Are dikes washed out or deteriorated?		✓
19. Are confined space entry signs missing from any roof hatch?		✓
20. Are high level alarms properly operating?	✓	
21. Remove cap from tank leak detection tell-tale pipe and inspect for product.		N/A

bp BP Terminals & Logistics O&M Manual

Monthly Inspection of In-Service Breakout Tanks
Form # F-195.432(b)M

22. For the last 30 days, list the product average temperature 41.1°,
average Reid vapor pressure 11.68,
and maximum true vapor pressure _____.

23. All tanks must have the internal floating roof and the secondary seal inspected monthly. This inspection can be conducted through manholes and roof hatches on the fixed roof. Does the floating roof or seal show signs of deterioration or is not sealing properly? Yes No

Comments: (Explain any item marked yes and notify your supervisor.)

Seal Condition OK

Date of Inspection: 1/30/09

Signature of Inspector RCP

Documentation Procedure:

1.	Complete above form.
2.	Retain for 5 years.

Excerpt of Rule:

49 CFR §195.432(b): "Each operator shall inspect the physical integrity of in-service atmospheric and low-pressure steel aboveground breakout tanks..."

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HERITAGE ENVIRONMENTAL SERVICES – 2010 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
929855	10/19/2010	Utica, Il	Lemont	Asphaltic	Drill-WCD-	Simulated 20,000 gallons	Transfer pipeline break	Response boat 1000 feet containment boom Vacuum truck	1 day	Illinois River	Need to use cell phones for contact-only 2 line phone at site Need to build ramp at site for future possible deployment of equipment depending on river level	
928504	1/12/2010	Channahon, IL	Lemont	Diesel	Unknown	20 Gallons	Tug Boat	Response Boat Sorbent Boom	1 Day	Illinois River		
928577	1/26/2010	Joliet, IL	Lemont	Hydraulic Oil	5 Gallons	5 Gallons	Hose on Truck	Oil Dry, Drums and hand tools	1 Day	NA		
928666	2/16/2010	Wayne, IL	Lemont	Diesel	Unknown		Pipeline	2 Vac Trucks Sorbent Pads	3 Days	NA		
928670	2/17/2010	Peoria, IL	Lemont	Diesel	15 Gallons	15 Gallons	Storage Tank	Drum Vacuum Pressure Washer	1 Day	NA		
928732	2/28/2010	Lemont, IL	Lemont	Fuel Oil	Est 200 Gallons	~175 Gallons	Barge	Response Boat 200' containment boom Sorbent boom	5 Days	Ship Canal		
928801	3/1/2010	Champaign, IL	Lemont	Diesel Fuel	50 Gallons	50 Gallons	Truck	Sorbent Pads Hand tools	1 Day	NA		
929422	7/20/2010	Chicago, IL	Lemont	Petroleum Product	Unknown	50 Gallons	Container on Truck	Skid Vac Sorbent Boom Oil Dry	1 Day	Storm Sewer	Customer needs better understanding of location and routes of storm sewers in area	
929469	7/28/2010	Marshall, MI	Lemont	Crude Oil	800,000 Gallons	Unknown	Pipeline	2 Vacuum Trucks Response Boat 1200 feet containment boom	3 Weeks	Kalamazoo River	Get more involved with Incident Command	Buckeye Pipeline
	1/9/10	Dubuque, IA	Lemont	Gasoline	Drill	Simulated 7K	Pipeline Rupture	Vac Truck, Slick Boom		Nearby River	Hilly Terrain in potential spill area	
	3/6/10	Mokena, IL	Lemont	Crude Oil	<50 Gal		Pump Seal Leak	Vac Truck, Absorbents	3-5 days	Potential Storm Sewer		
	8/17/10	Hammond, IN	Lemont	Petroleum Products	2000 Gal		Pipeline Leak	Vac Trucks, Frac Tanks, Slick/Absorbent Boom	6 mos	Storm/Sanitary Sewers		
	12/19/10	Gary, IN	Lemont	Oil	unknown	20-30 gals	Unknown leak source still under investigation	Absorbents and Slick Boom	1-2 mos	Grand Cal River	Icy conditions and strong river current	

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HERITAGE ENVIRONMENTAL SERVICES – 2010 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
	9/15/2010	Forestview, IL	Lemont	Gasoline	Drill	200-300 gallons	Pipe manifold leak	Table Top	1 Day	Chicago Sanitary and Ship Canal	Correct phone contacts, Use regular FD number not 911 in emergency, set up emerg Box with essentials	BP Chicago Terminal
	9/24/2010	Elmhurwst, IL	Lemont	Gasoline	Drill	300 gallons	Pipe Manifold leak	Table Top	1 Day	Des Plaines River	Change Hospital listed in Plan	BP O'Hare Terminal
	10/14/2010	Milwaukee, WI	Lemont	Ethanol	Drill	300 gallons	Pipe from tank	Table Top	1 Day	Menomonee River	Fire Departments have participated in several of drills and have contributed to overall planning	BP- Milwaukee Terminak
928168	7/19/10	New Albany, IN	Louisville	Hexane	Spill Drill	Simulated 10,000 Gallons	Barge/Transfer	Boat, 300' of Boom	1 day	Ohio River		
	9/14/10	New Albany, IN	Louisville	Hexane	Spill Drill	Simulated 10,000 Gallons	Barge/Transfer	Boat, 300' of Boom	1 day	Ohio River		LAIMA
928502	1/12/10	Roxana, IL	Wood River, IL (St Louis, MO)	Gasoline	40 gal	40 gal	Line break	Vacuum Truck	1 day	Land		ConocoPhillips
928536	1/19/10	Roxana, IL	Wood River, IL (St Louis, MO)	Gasoline	10 gal	10 gal	Tank	Vacuum Truck	1 day	Land		ConocoPhillips
928628	2/5/10	Roxana, IL	Wood River, IL (St Louis, MO)	Gas/oil	600-barrels	600-barrels	Underground line	Vacuum Truck	2 days	Land		ConocoPhillips
928668	2/17/10	Roxana, IL	Wood River, IL (St Louis, MO)	Oily water	500 gal	500 gal	Concrete containment	Vacuum Truck	1 day	Land		ConocoPhillips
928688	2/21/10	Roxana, IL	Wood River, IL (St Louis, MO)	Gas/oil	300 gal	300 gal	Underground line	Vacuum Truck	2 days	Land		ConocoPhillips
928689	2/22/10	Roxana, IL	Wood River, IL (St Louis, MO)	Gas/oil	30 gal	30 gal	Leaking pipe	Vacuum Truck	1 day	Land		ConocoPhillips
928692	2/22/10	Roxana, IL	Wood River, IL (St Louis, MO)	Crude Oil	44 gal	44 gal	Underground line	Vacuum Truck	1 day	Land		ConocoPhillips
928693	2/22/10	Roxana, IL	Wood River, IL (St Louis, MO)	Oil	10 gal	10 gal	Tank valve	Vacuum Truck	2 days	Land		ConocoPhillips
928695	2/23/10	Roxana, IL	Wood River, IL (St Louis, MO)	Asphalt	150 gal	150 gal	Blown pump seal	Mini Excavator	2 days	Land		ConocoPhillips
928696	2/23/10	Roxana, IL	Wood River, IL (St Louis, MO)	Oil Additive	50 gal	50 gal	Tank over spill	Vacuum Trucks	4 days	Land		Shell Oil Products

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HERITAGE ENVIRONMENTAL SERVICES – 2010 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
928728	3/1/10	Roxana, IL	Wood River, IL (St Louis, MO)	Oil Additive	20 gal	20 gal	Leaking pipe	Vacuum Truck	3 days	Land		Shell Oil Products
928623	3/3/10	Albers, IL	Wood River, IL (St Louis, MO)	Diesel fuel	25 gal	25 gal	Portable fuel tank	Skid Steer, Rolloff Boxes	1 day	Land		Patrick Engineering
928622	3/4/10	St Louis, MO	Wood River, IL (St Louis, MO)	Diesel fuel	5 gal	5 gal	Containment area & sumps	Vacuum Truck, Pressure Washer	1 day	Land		Centocor, Inc
928833	3/22/10	St Louis, MO	Wood River, IL (St Louis, MO)	Transmission fluid	13,000-gal	13,000-gal	Pipe	Vac Trucks, Trac Hoe, Back Hoe, Skid Steer, Air Compressor, Wet/Dry Vacuum Truck, Vacuum Boxes, Waterblaster	5 days	Land		Ashland Distribution
928889	3/31/10	Roxana, IL	Wood River, IL (St Louis, MO)	Gas/oil	100-gal	100-gall	Underground leaking pipe	Vacuum Trucks, Skid Steer	1 day	Land		ConocoPhillips
928927	4/8/10	Roxana, IL	Wood River, IL (St Louis, MO)	Re-run oil	25-gal	25-gal	Leaking pipe	Vacuum Truck	1 day	Land		ConocoPhillips
929017	4/26/10	Roxana, IL	Wood River, IL (St Louis, MO)	DNF water	30-gal	30-gal	Pipe	Vacuum Truck	1 day	Land		ConocoPhillips
929026	4/23/10	Various Staging Sites, LA	Wood River, IL (St Louis, MO)	Oil	>100,000 gal		Platform Explosion	Intermodal Rolloff Boxes, 70 + 130 bbl Vacuum Trucks, Straight Roll off Trucks, Double Rolloff Trucks, barges, tugs	Ongoing	Gulf and Intracoatal waters	Proper containment is essential when controlling recovered materials transferred from vessel to shore	BP Exploration and Production
929216	6/4/10	Roxana, IL	Wood River, IL (St Louis, MO)	Diesel	20 gals	20 gals	Flange leak	Vacuum Trucks	2 days	Land/Ditch		
929274	6/17/10	Roxana, IL	Wood River, IL (St Louis, MO)	Diesel	10 gal	10 gal	Leaking pipe	Vacuum Truck,Skid Steer, Mini Trac Hoe	4 days	Land		
929288	6/19/10	Roxana, IL	Wood River, IL (St Louis, MO)	Gas/oil	750-gal	750-gal	Hose rupture	Skid Steer, Mini Excavator, Vacuum Truck, Pressure Washer	2 days	Land		
929351	7/1/10	Roxana, IL	Wood River, IL (St Louis, MO)	Oil	100-gal	100-gal	Tank over fill	Vacuum Truck	2 days	Land/creek		
929433	7/22/10	Roxana, IL	Wood River, IL (St Louis, MO)	Crude Oil	100-gal	100-gal	Leak in line	Vacuum Trucks	3 days	Land		
929439	7/23/10	Roxana, IL	Wood River, IL (St Louis,	Asphalt	20-gal	20-gal	Asphalt pump	Hand Tools	1 day	Land		ConocoPhillips

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HERITAGE ENVIRONMENTAL SERVICES – 2010 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
			MO)									
929459	7/27/10	Roxana, IL	Wood River, IL (St Louis, MO)	Asphalt	20-gal	20-gal	Overfill railcar	Skid Steer	1 day	Land		ConocoPhillips
929558	8/18/10	Roxana, IL	Wood River, IL (St Louis, MO)	Crude	1500-gal	1500-gal	Leak into gravel	Skid Steer	1 day	Land		ConocoPhillips
929572	8/20/10	Roxana, IL	Wood River, IL (St Louis, MO)	Gas	70-gal	70-gal	Leak in pipe	Vacuum Truck	1 day	Land		ConocoPhillips
929588	8/24/10	Roxana, IL	Wood River, IL (St Louis, MO)	Crude oil	100-gal	100-gal	Leaking mixer	Vacuum Truck	1 day	Land		ConocoPhillips
9299600	8/26/10	Roxana, IL	Wood River, IL (St Louis, MO)	Oil additive	50-gal	50-gal	Pipe leak	Vacuum Truck	1 day	Land		
929608	8/27/10	Roxana, IL	Wood River, IL (St Louis, MO)	Recovered oil	600-gal	600-gal	Leaking pump	Vacuum Truck, Skid Vac, Skid Steer	1 day	Land		ConocoPhillips
929689	9/13/10	Roxana, IL	Wood River, IL (St Louis, MO)	Light end gas/oil	100-gal	100-gal	Flange leak	Vacuum Trucks, Skid Steer	4 days	Land		ConocoPhillips
929710	9/20/10	Roxana, IL	Wood River, IL (St Louis, MO)	Heavy gas/oil	100-gal	100-gal	Pump seal	Vacuum Truck, Hand Tools	4 days	Land		ConocoPhillips
929749	9/25/10	Roxana, IL	Wood River, IL (St Louis, MO)	Oil	25-gall	25-gall	Leaking truck, not HES	Hand Tools	2 days	Land		
929824	10/11/10	Roxana, IL	Wood River, IL (St Louis, MO)	Oil	75-gal	75-gal	Flange leak	Vacuum Truck, Skid Steer, Pressure Wassher	1 day	Land		Shell Oil Products
929862	10/17/10	Roxana, IL	Wood River, IL (St Louis, MO)	Oil	400-gal	400-gal	Sump	Vacuum Truck	1 day	Land		Shell Oil Products
929941	11/8/10	Roxana, IL	Wood River, IL (St Louis, MO)	Asphalt	10-gal	10-gal	Leaking pump	Hand Tools	1 day	Land		ConocoPhillips
929988	11/16/10	Roxana, IL	Wood River, IL (St Louis, MO)	Bad bottoms	100 barrels	100 barrels	Leak in tank	Vacuum Trucks, Skid Loader, Wilden Pumps, Pressure Washer	6 days	Land		ConocoPhillips
930024	11/29/10	Roxana, IL	Wood River, IL (St Louis, MO)	Asphalt	50-gal	50-gal	Overfill rail car	Skid Steer	1 day	Land		ConocoPhillips
930057	12/2/10	Livingston, IL	Wood River, IL (St Louis, MO)	Gas			Underground pipe struck	Vacuum Trucks,Skid Steer, Mini Excavator, 18” Hard Boom, Absorbent Boom, Skid Vac,	Initial Response 4 days; Remediation ongoing	Land/pond/Silver Creek		Buckeye

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HERITAGE ENVIRONMENTAL SERVICES – 2010 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
								Absorbent Pads				
930109	12/19/10	Roxana, IL	Wood River, IL (St Louis, MO)	Gas/oil	30-barrells	30-barrells	Pipe leak	Vacuum Trucks	4 days	Land		ConocoPhillips
924036	5/3/10	Roxana IL	Wood River, IL (St Louis, MO)	Oil Additive	10 gals	10 gals	Leaking pipe	Air Diaphragm Pump	1 day	Land		Shell Oil Products
929552	8/25/10	St Louis, MO	Wood River, IL (St Louis, MO)	Gasoline	>100,000 gals	Spill Drill	Valve Failure	Frac Tanks, Vacuum Trucks, 18" Hard Boom, OPA Boat	Drill	Land/Mississippi River		Buckeye
Table Top Drill	10/20/2010	River Rouge, MI	Toledo	Gasoline	Estimate 100gpm		Leaking Flange	Absorbent pads, vaccum truck	1/day	N/A	Need to have spill clean up material on hand	
Table Top Drill	10/21/2010	Napoleon, MI	Toledo	Gasoline	Estimate 100gpm		Leaking Flange	Absorbent Pads	1/day	N/A		Bp Terminal
929026	May 2010 to Dec 2010	Fuchon, LA	Corporate wide	Oil	1 to several 100 gal	Table Top Drills	Decontamination/ Off Loading Facilities	Table Top	1 per Month	Gulf and Intracoatal waters		BP Exploration and Production
929026	May 2010 to Dec 2010	Grand Isle, LA	Corporate wide	Oil	1 to several 100 gal	Table Top Drills	Decontamination/ Off Loading Facilities	Table Top	1 per Month	Gulf and Intracoatal waters		BP Exploration and Production
929026	May 2010 to Dec 2010	Emelle, LA	Corporate wide	Oil	1 to several 100 gal	Table Top Drills	Decontamination/ Off Loading Facilities	Table Top	1 per Month	Gulf and Intracoatal waters		BP Exploration and Production
928494	1-4-10	Clinton, IN	Indianapolis	Diesel	55 gal	55 gal	Generator leaking	Crew truck, 1 drum, oil pads	2 day	No		
928468	1/5/10	I-70 MM 45 II	Indianapolis	Diesel	~50 gal	~90%	Fuel Tank	Booms, shovels, oil dry, drum	1 day	No		UPS
928495	1/7/10	Anderson, IN	Indianapolis	Gasoline	110 gal	110 gal	Fuel Tank	Crew Truck, hand tools, drums	2 day	No		Confidential
928530	1/18/10	Columbus, IN	Indianapolis	Diesel	~100 gal	~85%	Fuel Tank	Booms, shovels, oil dry, drum	1 day	No		UPS
928609	2/15/10	Indianapolis, IN	Indianapolis	PCB Oil	3 oz	All	Leaking Drum	Absorbent and cleaner	1 day	No		Confidential
929137	5/20/2010	Indianapolis, IN	Indianapolis	Fuel Oil	50 gal	45 gal	Fuel Tank tipped over	Drum Vac	1 day	On site retention pond	Make sure customer knows where storm drains empty	Confidential
929143	5/24/10	Indianapolis, IN	Indianapolis	Alcohol	10 gal	10 gal	Leaking Drum	Drum Vac	1 day	No		Confidential
929251	6/10/10	Indianapolis, IN	Indianapolis	Diesel Fuel	~20 gal	~ 20 gal	Fuel Tank on Truck	Vac Truck	1 day	No		Confidential

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HERITAGE ENVIRONMENTAL SERVICES – 2010 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
929308	6/23/10	Plainfield, IN	Indianapolis	Mineral Spirits	Transfer	All	Drum	Pump	1 day	No	Use correct pump for job	Confidential
929514	8/29/10	Indianapolis, IN	Indianapolis	Fuel Oil	10 gal	~10 gal	Pipe in excavation	Vac truck	1 day	No		Confidential
929762	9/30/10	Indianapolis, IN	Indianapolis	Diesel Fuel	20 gal	~95%	Fuel Tank Truck Wreck	Vac Truck	1 day	No		UPS
929770	9/30/10	Plainfield, IN	Indianapolis	Diesel Fuel	1 gal	99%	Truck Fuel Tank	Absorbent	1 day	No		Confidential
929972	11/10/10	Terre Haute, IN	Indianapolis	Cutting Oil	~100 gal	~90%	Heat Exchanger	Vac truck, Booms, leaf blower, jon boat, skimmer	2 days	Wabash River		Novelis
925200	1/2010 to 12/2010	Gary, IN	Gary, IN	Boat House Inspection, supplies and equipment start up	NA	NA	NA	NA	12 events 1-day each month	USS Ore Dock Port in Gary Harbor	Difficult to launch boat during winter months because of ice build up	US Steel – Gary Works
924634	3/26/10 to 11/18/10	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	8 events/ 1 day each	Canal and river	NA	US Steel – Gary Works
929569	8/17/10	Gary, IN	Gary, IN	Clean Contaminated Debris from Permanent Boom	UNK	NA	Outfall GW-10	John Boat – Spill Boat and 150' sorbent boom	1 events/ 1 day each	Canal and river	NA	US Steel – Gary Works
929855	10/13/10	Gary, IN	Gary, IN	Clean Contaminated Debris from Permanent Boom	UNK	NA	Outfall GW-20	John Boat – Spill Boat and 150' sorbent boom	1 events/ 1 day each	Canal and river	NA	US Steel – Gary Works

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OSRO Contractor Response Test

Wood River Terminal

March 10, 2011

I called Jim Ditmeyer- Jarrett Industries Foreman's cell phone at 10:30 AM this morning and told him there had been a release of gasoline at the terminal. I asked him how long it would take to get a vac truck and clean up crew on site to begin spill clean up. He stated that he and one crew were working across the street at Valero and they would be here in the next 20 minutes with the first vac truck. He said if there were a need for more vac trucks and clean up personnel that two more trucks and crews could be here within the hour. They had crews working on non-emergency jobs in the Conoco refinery that could be moved to assist.

I explained to him that I was just testing deployment time and that he should not pull people and equipment from the refinery.

Vernon St. Peters
Terminal Manager
Wood River

Preparedness for Response Exercise Program (PREP)
Practice Drill

Scenario

Date: 06/10/09
Weather: 78^0 F
Wind: 0 - 5 mph

A spill was reported at the Hartford Tank Facility which allowed approximately 2,000 gallons of gasoline to flow in drainage area towards the Mississippi River. The response included blocking the drainage area and deploying sorbents and boom to mitigate a release to the river.

Responding were 5 technicians, 1 Supervisor with 1 Vacuum Truck, 1 Response Trailer, 2 Pickup Trucks and appropriate oil containment supplies.

At 9:00 AM the call was made to Supervisor of the release.

At 9:25 AM the Responders were on scene.

At 9:35 AM 500' of containment boom was deployed and in place.

Oil was contained, removed and properly disposed of.

Responders:

Mike Young, Supervisor
Jim Dittmaier, HazMat Technician
Johnny Boomershine, HazMat Technician
Ted Booten, HazMat Technician
Anthony Rickert, HazMat Technician
George Stewart, HazMat Technician

Preparedness for Response Exercise Program (PREP)
Practice Drill

Scenario

Date: 11/9/2010
Weather: 62^0 F
Wind: 0 - 5 mph

A spill was reported by phone to Jarrett concerning an oil spill at the Valero riverfront barge and dock area.

Responding were 10 technicians, 1 Supervisor with 1 Vacuum Truck on stand by, 1 Response Trailer, 4 Pickup Trucks and appropriate oil containment supplies.

9:07am the call was made to Supervisor of the release.
9:15am the Responders were on scene.
9:35am Crew arrived at River dock. Tug boat is present.
9:45am Boom in water
9:55am 500 foot of boom in water.
10:05am 1000 foot of boom in the water
10:12am Boom deployed, tied off and secure.

Oil was contained, removed and properly disposed of.

Notes-
Radio communication between the crew and the tug boat would have helped with the scenario.

Responders:

Mike Young, Supervisor
Mike Matthews, HazMat Technician
Johnny Boomershine, HazMat Technician
Mike Morten, HazMat Technician
Anthony Rickert, HazMat Technician
George Stewart, HazMat Technician
Kyle Richardson, HazMat Technician
Chuck Reed, HazMat Technician
Josh Russell, HazMat Technician
Anthony Rickert, HazMat Technician
Steve Rickert, HazMat Technician

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Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
926894	March 1	Griffith, IN	Lemont, IL	Crude Oil	3,000 gals	N/A	Damaged Pipeline	Vac Truck Roll Off Boxes	2-3 wks	Land	None	Enbridge
926989	March 5	Mokena, IL	Lemont, IL	Crude Oil	300 gals	300	Leaking Pipe Line	Vac Truck	2-3 days	Land	None	BP/Chicap
927312	May	Manhattan, IL	Lemont, IL	Diesel Fuel	200 gals	200	Leaking Valve	Vac Truck Roll Off Boxes	2 days	Land	None	BP Pipeline
927937	September	Steger, IL	Lemont, IL	Spill Drill				Vac Truck OPA Trailer	NA			BP Pipeline
	September 9, 2009	Forestview, IL	Lemont, IL	Gasoline and Diesel	9,996 bbls		Tank #25 Chicago Terminal	Worst Case Discharge Table Top	1 day	Chicago Sanitary and Ship Canal	Have Fire Department participate next time, pre-assign ICS roles, Make RFP access available to full team not just Manager	BP Pipelines
	September 16,2009	Milwaukee, Wisconsin	Lemont, IL	#2 Diesel	119,817 bbls		Tank #3 Milwaukee Terminal	Worst Case Table Top Table Top	1 day	Menomonee River	Need to update sensitive areas impacted with actual flow conditions	Bp Pipeline
	September1 8, 2009	Chicago, IL	Lemont, IL	Jet A	50-,000 bbls		Tank # 8 O'Hare Terminal	Worst Case Table Top Table Top	1-day	Des Plaines River	Evaluate the necessity for more boom on-site and evaluate controls in storm water sewers to mitigate discharge	BP Pipeline
927937	September	Rochelle, IL	Lemont, IL	Spill Drill				Vac Truck OPA Trailer	NA	Land		BP Pipeline
928405	December 2	Bettendorf, IA	Lemont, IL	Petroleum Gas Additive	1000 Gals		Overfilled Tank within Tank Dike	Vac Trucks	Ongoing	Land	Dealing with Frozen soil under pipe racks	BP
926783	February 8	Joliet, IL	Lemont, IL	Waste Coolant Oil	30,000	27,000-30,000	Overfilled Tank	4-Vac Trucks 700' Slick Boom Sorbent Pads Sorbent boom 20-Roll Off Boxes Spill Boat	1 Month	Illinois River	Dealing with loose fill on embankment to River, Planning for weather events on large spills	Caterpillar
926921	March 12	De Kalb, IL	Lemont, IL	Diesel Fuel	25 Gals	25 Gals	Truck Accident	Sorbent Pads Oil Dry	1 day	None		UPS
926933	March 16	Franklin Park, IL	Lemont, IL	Gasoline	Unknown	NA	Damaged Pipeline	Roll Offs Bobcat Sorbents	2 days	None		Magellan
927388	June 5	Northbrook, IL	Lemont, IL	Diesel Fuel	25 Gals	25 Gals	Leaking Truck	Vac Truck	1 day	Land		UPS

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927627	July 23	Willow Springs, IL	Lemont, IL	Spill Drill				Vac Truck OPA Trailer 200' Slick Boom, OPA Trailer	1 day	Des Plaines River	Area to put boom across River requires shallow draft boat and truck to pull boom across	Valvoline
928053	October 7	Winnetka, IL	Lemont, IL	Hydraulic Oil	10 Gals	10 Gals	Truck Accident	Sorbents Oil Dry	1 day	Land		AT&T
928358	December 14	Chicago, IL	Lemont, IL	Spill Drill				Vac Truck OPA Trailer Spill Boat	1 day	Sanitary & Ship Canal	Location of Boat Dock	
928394	12/11/09	Hartford, IL	St Louis, MO	Crude oil	75 gal	75gal	DU2	Vacuum truck	1 day	Land		
928378	12/9/09	Hartford, IL	St Louis, MO	Diesel Fuel	5gal	3gal	Tank A-126		1 day	Land		
928361	12/4/09	Hartford, IL	St Louis, MO	Additives	150gal	150gal	CWT 20	Vacuum truck	1 day	Land		ConocoPhillips Wood River Refinery
928337	11/30/09 – 12/1/09	Hartford, IL	St Louis, MO	Crude oil	Drill	Drill	SWTF overflow	Vacuum truck, spill boat, 100' skirted boom	2 days	SWTF area		ConocoPhillips Wood River Refinery
927693	8/4/09 – 8/7/09	Hartford, IL	St Louis, MO	Crude oil	100gal	100gal	Smith Lake	Vacuum truck, 2400' skirted boom, absorbent boom	3 days	Lake		ConocoPhillips Wood River Refinery
927693	12/2/09	Hartford, IL	St Louis, MO	Crude oil	10gal	10gal	Smith Lake	Vacuum truck	1 day	Lake		ConocoPhillips Wood River Refinery
927565	7/12/09 – 8/17/09	Hartford, IL	St Louis, MO	Asphalt	40 bbl	40 bbl	Rt 111 Ditch area	Vacuum truck, 200' skirted boom, spill boat Sorbent pads, sorbent boom	20 days	Ditch area		ConocoPhillips Wood River Refinery
927440	6/18/09	Hartford, IL	St Louis, MO	Crude oil	30gal	None recovered	Flashers	Pressure washer	1 day	Land		ConocoPhillips Wood River Refinery
927353	6/1/09 – 6/9/09, 6/11/09, 6/24/09	Chesterfield, MO	St Louis, MO	Diesel fuel	200 gal	200 gal	Release into storm sewers	Vacuum truck, supersucker, 50' skirted boom, sorbent boom	11 days	Land		Pfizer, Inc
927005	3/29/09 – 5/29/09	Hartford, IL	St Louis, MO	Gasoline	3000 gal	3000 gal	Release along road	Vacuum truck, 1300' hard boom, sorbent boom, sorbent pads	62 days	Land		Explorer Pipeline
926980	3/26/09	Roxana, IL	St Louis, MO	Oil	100gal	100gal	Compound house	Vacuum truck	1 day	Land		Shell Oil Products
926854	2/27/09, 3/3/09, 3/5/09 –	Hartford, IL	St Louis, MO	Crude oil	200gal	200gal	SWTF	Vacuum truck	4 days	Land		

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Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
	3/6/09											
926819	2/23/09	Hartford, IL	St Louis, MO	Slurry	15gal	15gal	Line leak	Vacuum truck	1 day	Land		ConocoPhillips Wood River Refinery
926748	2/12/09 & 2/16/09	Hartford, IL	St Louis, MO	Benzene	20gal	20gal	Float 1 docks	Vacuum truck	2 days	Pond		ConocoPhillips Wood River Refinery
926668	1/17/09 – 1/18/09, 1/21/09 – 1/23/09	Hartford, IL	St Louis, MO	DEA	100gal	100gal	Gas plant	Vacuum truck, bob cat	5 days	Land		ConocoPhillips Wood River Refinery
926660	1/16/09 – 1/17/09, 1/22/09	Hartford, IL	St Louis, MO	Benzene	40gal	40gal	Float 1 docks	Vacuum truck	3 days	Pond		
912384	3/20/09 to 11/10/09	Hannibal, MO	St Louis, MO	Xylene	Stand-by	N/A	Stand-by during Barge Unloading	Spill boat, 800' – 12" skirt boom	11 events - 1 day each	Mississippi River		
925200	2/27/2009 to 12/18/2009	Gary, IN	Gary, IN	Boat House Inspection, supplies and equipment start up	NA	NA	NA	NA	12 events 1-day each	USS Ore Dock Port in Gary Harbor	Difficult to launch boat during winter months because of ice build up	US Steel – Gary Works
924634	3/27/09 to 1/27/2009	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	11 events/ 1 day each	Canal and river		
92950	3/18/09	Evansville, IN	Louisville	Hydraulic oil	50 gals	50 gals	Drum	Drum vacuum	1 days	Land	N/A	UPS
926825	2/23/09	Lexington, KY	Louisville	Transformer oil	20 gals	20 gals	Transformer	Drum vacuum	1 day	Land	N/A	Square D
927344	5/29/09	Jeffersonville, IN	Louisville	Diesel Fuel	240 gals	240 gals	Barge	Boats, 1000 'slick boom, absorbent supplies	2 day	Ohio River	N/A	American Commercial Lines
927687	8/4/09	Louisville, KY	Louisville	Oil	75 Gals	75 gals	Containment area	Drum vacuum	1 day	Land	N/A	Chevron
927686	8/4/09	Louisville, KY	Louisville	Oil	600 gals	600 gals	Flood caused oil release from trenches	Vacuum truck, drum vacuums, oil pads, absorbents	2 day	Land	N/A	BAE Systems
928269	12/22/08	Louisville, KY	Louisville	Oil	50 gala	50 gals	Mock Spill drill	Vacuum truck Spill boat	1 day	Ohio River	N/A	BP
	9/23/09	Louisville, KY	Louisville	Oil	500 gals	500 gals	Mock Spill Drill	Vacuum truck Spill Boat	1 day	Ohio River	N/A	LAIMA Group

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Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
927347	5/28/09	Champaign, IL	Indy	#6 Oil	300	95%	Sump Overflow	Vac Truck, Crew Truck, Hand Tools, Backhoe, pressure washer, & roll off boxes	2 Day	Land		ACH Foods
927352	6/19/09	Champaign, IL	Indy	#6 Oil	2000	95%	Leaking pipe	Tankers, Vac Truck, Pressure Washer & hand tools	5 Days	Land	Listen to the maintenance dept They told Mgmt if they put heat on the tank the piping would leak	ACH Food
927914-1	9/16/09	Cayuga, IN	Indy	Used Oil	3020	100%	Oil Water Separator	Vacuum Truck	1 Day	Land		Cinergy/Duke
927914-2	9/17/09	Cayuga, IN	Indy	Used Oil	4482	95%	Power Failure on pumps	Vac Truck, Pressure washer, absorbent Pads, & hand tools	3 Days	Land		Cinergy/Duke
927158	4/17/09	Shelbyville, IN	Indy	Oil	600	100%	Unknown	Vac truck, crew truck, pressure washer,	1 Day	Land		Copeland Corp
927688	8/1/09	Beech Grove, IN	Indy	Oil	Unknown	3272	OWS overflow due to severe storms	Vac Trucks and Frac Tanks	3 Day	Sewers		Amtrak
928123	10/21/09	Indy, IN	Indy	Fuel Oil	20 gal	15gal	Fuel tank on truck	Vac Truck, Crew Cab	½ Day	Land		Eli Lilly
928439	12/24/09	Lafayette, IN	Indy	Motor Oil	~4 gal	100%	Truck accident motor oil spilled	Excavator, Roll off	1 Day	Land		UPS
926849	2-26-09	Palmer, IN	Indy	Diesel Fuel	20 gal	100%	Diesel fuel leak from generator	Drum Vac, Pressure washer, crew truck	2 Days	Land		AT&T
926849	4-28-09	Palmer, IN	Indy	Diesel Fuel	~50 gal	100%	Diesel fuel leak from generator again	Drum Vac, Pressure -Washer	1 Day	Land	Fix the problem the first time	AT&T
926384	6-10-09	Rosedale, IN	Indy	Dielectric oil	~100	95%	Transformer explosion	Vac truck, Crew Truck, Mini Excavator, Roll-Off Boxes, Pressure-Washer, Loader	17 Days	Land		CF Industries
927419	6-16-09	Indianapolis, IN	Indy	Lube Oil	~195	97%	Leak from Turbine	Crew Truck, Vac Truck, Pressure-Washer	1 Day	NO		IPL
927448	6-17-09	Indianapolis, IN	Indy	Jet A	Unknown	10 roll offs	Leaking UST's	Roll-Off Boxes, Dump Trailers,	24 Days	Land		Hawker Beechcraft
927452	6-15-09	Indianapolis, IN	Indy	Jet A Hypothetically			Spill Drill	Vac Truck, Boom, Crew Trucks,	1 day	Land	Grill the EPA Inspectors for all the Details so you respond according to their expectations	Federal Express

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927456	6-20-09	Indianapolis, IN	Indy	Hydraulic Oil	500	99%	Hydraulic leak that was contained in pH pits in WWT Area	Vac Truck, Crew Truck, Pressure-Washer	2 Days	Land		SVC Quaker
928026	10/2/2009	Delta, Oh	Toledo	Engine Oil	20/gal	20/gal	Semi Tractor engine	Absorbent pads floor dry	3/hrs	Land	N/A	
	9/29/2009 10/22/2009	River Rouge,	Toledo	Gasoline	43,000bbls	NA	Tank 1	Worst Case Discharge Table Top	1	Rouge River	Personnel need additional training and familiarity with FRP	
	10/21/2009	Jackson, MI	Toledo	Diesel	56,100 bbls	NA	Tank #4	Worst Case Discharge Table Top	1	Raisen River	Personnel need additional training and familiarity with FRP	
	9/31/2009	Dearborn, MI	Toledo	Diesel	27,200bbls	NA	Tank #1	Worst Case Discharge Table Top	1	Escroe River	Personnel need additional training and familiarity with FRP	

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Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
	9/23/2011	Elk Grove, Ill	Lemont	Jet Fuel	Simulated 13,000 bbls	NA	Table Top Drill Tank Leak	Table Top	4 Hours	Des Plaines River	Incorporate ER contractors phone number into Facility personnel mobile phones. Have new FD Participate in next drill.	Confidential pipeline Terminal
	5/2011	Forestview, Illinois	Lemont	Diesel	Simulated 12,,000bbls	NA	Table Top Drill Tank Leak	Table Top	4 Hours	Sanitary Canal	Simplify ER Plan	pipeline Terminal
	9/28/2011	Mokena, IL	Lemont	Diesel	Simulated 50,000bbls	NA	Table Top Drill	Table Top	6 - hours	Creek to Des Plaines river	Better communications	Exxon-Mobil
	6/1/2011	Dubuque, Iowa	Lemont	Diesel	Simulated 2,100 gallons	NA	Table Top Drill	Table Top	4 Hours	Creek to Mississippi River	Evaluate the use of a plumbers plug to close off storm drain ibn the event os an actual release. Facility personnel well versed in response responsibilities.	Confidential
	9/2011	Chicago, Il	Lemont	Asphalt	2,000 gallons	NA	Drill	1000 feet of boom, Spill Tracker boat, 2500 gallon vacuum truck spill trailer	4 hours	Chicago sanitary canal	Personnel need to have cash to use City of Chicago boat launch. Use of Argo boat launch may be limited.	Heritage Asphalt
930205	Jan 11	Gary, IN	Lemont	Diesel	<50 galls	30 gallons	unknown	Sorbent pads/boom + vac Truck	2-3 weeks	Little Cal River	Icy conditions and rough collection areas	Confidential
930783	May 11	Des Plaines, IL	Lemont	Diesel	<200 Gallons	200 gallons	Leaking fuel tank	Pads/boom and soil removal	1 week	Land	Tight location. Hand digging	Confidential
931619	October 11	Downers Grove, IL	Lemont	Diesel	<100 Gallons	100 gallons	Rupture tank	Vac truck + sorbents	1 day	Storm Basin	Proper containment for basin	Confidential
931657	November 11	Schnieder, IN	Lemont	Jet Fuel	<20 gallons	15-20 gallons	Leaking valve on pipeline	Vac truck	1 day	Land	_	Confidential
928884	November 11	Mokena, IL	Lemont	Crude Oil	<100 Gallons	100 gallons	Leaking valve on pipeline	Vac truck + sorbents	3-4 days	Land	Managing hydro-x soils	Confidential Terminal
930339	2/9/2011	Northbrook, IL	Lemont	Diesel Fuel	20 Gallons	20 Gallons	Truck Fuel Tank	Vac Truck + Sorbents	1 Day	None		Confidential Terminal
930530	3/22/2011	Gibson City, IL	Lemont	Crude Oil	<50 Gallons	50 Gallons	Pipeline	Sorbents – excavator + roll off box	2 days	None		Confidential Pipeline

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930697	4/21/2011	Chicago, IL	Lemont	Hydraulic Oil	10 Gallons	10 Gallons	pump	Sorbents	1 Day	None		Confidential
930915	6/1/2011	Forest View, IL	Lemont	Vacuum Gas Oil	100 Gallons	100 Gallons	Tank	Sorbents, Bobcat, Roll Off Box	3 Days	None		Confidential Terminal
931102	7/14/2011	Beach Park, IL	Lemont	Diesel Fuel	5 Gallons	5 Gallons	Generator	Sorbents – Hand tools	1 Day	None	Proper Containment for Generator	Confidential
931124	7/19/2011	Elk Grove Village, IL	Lemont	Diesel Fuel	5 Gallons	5 Gallons	Truck	Sorbents – Hand tools	1 Day	None		Confidential Terminal
931671	11/7/2011	Lockport, IL	Lemont	Gasoline	15 Gallons	15 Gallons	Pipeline	Vacuum Truck- Sorbents- Roll Off Box	1 Day	None		Confidential Pipeline
930287	1-28-11	Indianapolis, in	Indianapolis	Raffene	500 gal	500gal	Rail tanker	Vac truck pressure washer Pads Hand tools drums	2 day	Drain ditch	Only can do so much in one day	Flint ink
930373	2-18-11	Indianapolis, IN	Indianapolis	FIRE FOAM	Entire system	all	Fire system	Drum vac Hand tools Pressure washer	1 day	Land	Foam will foam more when vaced	Eli Lilly
930507	3-17-11	Indianapolis, IN	Indianapolis	Mineral sprits	1200 gal	all	tank	Vac truck Pressure washer Hand tools	1 day	Land	Empty tank on regular schedule	Rolls Royce
930938	6-12-11	Indianapolis, IN	Indianapolis	Oil water	223 gal	All	Manhole	Vac truck Pressure washer Handtools	2 days	Land	Its good to clean manholes	AT&T
931893	12-22-11	Indianapolis, IN	Indianapolis	Hydraulic oil	20 gal	All	Belt truck	Drum vac pressure washer Oil dry Pads Hand tools	1 day	Land	Don't drag unit across ranp area	US airways
930170	1/4/11	Roxana, IL	St. Louis (Wood River, IL)	DEA	300-gal	300-gal	Underground leak	Vacuum Truck, Crew Cab	2 days	Land		ConocoPhillips
930171	1/5/11	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	500-gal	500-gal	Bad pump	Vacuum Truck, Pressure Washer, Crew Cab	4 days	Land		ConocoPhillips
930216	1/14/11	Roxana, IL	St. Louis (Wood River, IL)	Naptha	200-gal	200-gal	Overhead flange leak	Vacuum Trucks, Crew Cab	2 days	Land		ConocoPhillips
930220	1/14/11	Roxana, IL	St. Louis (Wood River, IL)	Sour water	400-gal	400-gal	Leaking overhead flange	Vacuum Trucks	2 days	Land		ConocoPhillips
930221	1/16/11	Roxana, IL	St. Louis (Wood River, IL)	Crude oil	10-gal	10-gal	Pump	Crew Cab, Hand Tools	1 day	Land		ConocoPhillips

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930352	2/14/11	Roxana, IL	St. Louis (Wood River, IL)	Benzene	30-gal	30-gal	Leaking pipe	Vacuum Truck, Skid loader, Crew Cab, Hand Tools	3 days	Land		ConocoPhillips
930353	2/14/11	Roxana, IL	St. Louis (Wood River, IL)	Heavy oils	300-gal	300-gal	Leaking frac tank	Vacuum Truck, Crew Cab, Skid Vac	4 days	Land		ConocoPhillips
930368	2/17/11	Roxana, IL	St. Louis (Wood River, IL)	Sulphine	7-gal	7-gal	Instrument	Vacuum Trucks, Pressure Washer, Crew Cab	1 day	Land		ConocoPhillips
930409	2/26/11	Roxana, IL	St. Louis (Wood River, IL)	Acid	5000-gal	5000-gal	Leaking flange	Vacuum Trucks, Skid Steer, Crew Cabs, Hand Tools	16 days	Rock		ConocoPhillips
930431	3/3/11	Roxana, IL	St. Louis (Wood River, IL)	Gas/oil	75-gal	75-gal	Pipe	Vacuum Trucks	3 days	Pond		ConocoPhillips
930437	3/3/11	Roxana, IL	St. Louis (Wood River, IL)	Gas/oil	100-gal	100-gal	Leaking underground pipe	HydroX Truck, Crew Cab, Vacuum Truck	13 days	Land		ConocoPhillips
930503	3/13/11	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	25-gal	25-gal	Asphalt	Crew Cab, Air Compressor, Jack Hammers	3 days	Barge		ConocoPhillips
930547	3/28/11	Roxana, IL	St. Louis (Wood River, IL)	Gas/oil	5-gal	5-gal	Leaking valve	Crew Cab, Hand Tools	1 day	Land		ConocoPhillips
930581	4/1/11	St. Louis, MO	St. Louis (Wood River, IL)	Benzene	10-gal	10-gal	Tank column	Crew Cab, Drum Vac, SCBA, LEL/O2 Meters	2 days	Land		Kinder Morgan
930607	4/7/11	Roxana, IL	St. Louis (Wood River, IL)	Additive	25-gal	25-gal	Leaking line	Vacuum Truck	1 day	Land		Shell Oil Products
930606	4/7/11	Roxana, IL	St. Louis (Wood River, IL)	Gas/oil	100-gal	100-gal	Pipe	Vacuum Truck, Skid Loader, Crew Cab	1 day	Land		ConocoPhillips
930672	4/19/11	Meredosia, IL	St. Louis (Wood River, IL)	Thick oil (Spill Drill)	30-gal	30-gal	Sewer overflow	300’ Hard Boom, OPA Boat	1 day	Mississippi River		Meredosia Terminal, Inc
930681	4/21/11	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	25-gal	25-gal	Leaking pipe	Crew Cab, Skid Loader	1 day	Land		ConocoPhillips
930702	4/24/11	Roxana, IL	St. Louis (Wood River, IL)	DEA	10-gal	10-gal	Sump overflow	Crew Cab, Skid Steer, Hand Tools	1 day	Land		ConocoPhillips
930708	4/26/11	Scott City, IL	St. Louis (Wood River, IL)	Gas	Stand By	Stand By	Pig launching & line drain up of unleaded gas	Crew Cab, Jon Boat, Hard Boom	7 days	Mississippi River		Enterprise Products
930713	4/27/11	Cahokia, IL	St. Louis (Wood River, IL)	Ethanol	10 bbl	10 bbl	Pipeline	Vacuum Trucks, Rolloff Boxes	13 days	Land		Phillips Pipeline

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930830	5/22/11	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	75-gal	75-gal	Overfill railcar	Crew Cab, Skid Steer	2 days	Land		ConocoPhillips
930859	5/26/11	Roxana, IL	St. Louis (Wood River, IL)	Oil	1 bbl	1 bbl	SWTF manifold	Vacuum Trucks, Crew Cab	2 days	Land		ConocoPhillips
930870	5/29/11	Roxana, IL	St. Louis (Wood River, IL)	Oily rock	20-gal	20-gal	A149 tank	Crew Cab, Hand Tools, Skid Steer	2 days	Land		ConocoPhillips
930871	5/30/11	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	1 barrel	1 barrel	Overfill railcar	Crew Cab, Hand Tools	1 day	Land		ConocoPhillips
930879	5/31/11	Roxana, IL	St. Louis (Wood River, IL)	Oil	100-gal	100-gal	Line break	Vacuum Trucks,	6 days	Land		ConocoPhillips
930903	6/4/11	St. Louis, MO	St. Louis (Wood River, IL)	Water	300-gal	300-gal	Fire System	Vacuum Truck, Crew Cab	1 day	N/A		Covidien
930960	6/16/11	Roxana, IL	St. Louis (Wood River, IL)	Oils	1 bbl	1 bbl	DU-2	Crew Cab, Skid Steer	1 day	Land		ConocoPhillips
930979	6/21/11	Roxana, IL	St. Louis (Wood River, IL)	Sour water	3000-gal	3000-gal	Process line	Vacuum Trucks, Sewer Truck	3 days	Land		ConocoPhillips
931030	6/28/11	Roxana, IL	St. Louis (Wood River, IL)	Sour water	150-gal	150-gal	Overhead pipeline	Vacuum Truck	2 days	Land		ConocoPhillips
931098	7/14/11	Roxana, IL	St. Louis (Wood River, IL)	Oil	30-gal	30-gal	Gasket leak	Crew Cab, Hand Tools, Pressure Washer	2 days	Land		Shell Oil Products
931236	8/16/11	Roxana, IL	St. Louis (Wood River, IL)	Brine spill	50 gal	50 gal	Valve	Crew Cab, Skid Steer, Hand Tools	2 days	Land		ConocoPhillips
931235	8/16/11	Roxana, IL	St. Louis (Wood River, IL)	Gas/Oil	10-gal	10-gal	Leaking over head pipe	Vacuum Truck	1 day	Land		ConocoPhillips
931220	8/12/11	Roxana, IL	St. Louis (Wood River, IL)	Oil	20-gal	20-gal	Sump overload	Vacuum Trucks, Sewer Truck, Crew Cab	7 days	Ditch to SmithLake		ConocoPhillips
931282	8/25/11	Roxana, IL	St. Louis (Wood River, IL)	Gas/Oil	5-gal	5-gal	Leaking pump seal	Vacuum Truck, Crew Cab, Hand Tools	1 day	Land		ConocoPhillips
931304	8/30/11	Roxana, IL	St. Louis (Wood River, IL)	Polymer	100-gal	100-gal	Leaking Pipe	Vacuum Truck, Crew Cab, Skid Vac	2 days	Concrete Containment		Shell Oil Products
931329	9/6/11	Roxana, IL	St. Louis (Wood River, IL)	Hydraulic oil	3-gal	3-gal	Truck	Crew Cab, Hand Tools	1 day	Asphalt		ConocoPhillips
931336	9/7/11	Roxana, IL	St. Louis (Wood River, IL)	Sulfaline	20-gal	20-gal	Overload Concrete	Vacuum Truck, Crew Cab,Hand Tools	4 days	Concrete		ConocoPhillips

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F-3
HERITAGE ENVIRONMENTAL SERVICES – 2011 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
931338	9/7/11	Roxana, IL	St. Louis (wood River, IL)	Asphalt	50-gal	50-gal	Hatch left open on railcar	Crew Cab, Pressure Washer, Vacuum Truck	9 days	Land		ConocoPhillips
931339	9/8/11	Roxana, IL	St. Louis (Wood River, IL)	Additive	100-gal	100-gal	Leaking pump	Vacuum Truck, Crew Cab, Hand Tools	1 day	Roof		Shell Oil products
931377	9/14/11	Roxana, IL	St. Louis (Wood River, IL)	Oil	75-gal	75-gal	Leaking pump	Crew Cab, Pressure Washer	1 day	Concrete containment		ConocoPhillips
931395	9/17/11	Roxana, IL	St. Louis (Wood River, IL)	Oil	300-gal	300-gal	Pipe	Vacuum Truck, Sewer Truck, Crew Cab,	2 days	Land		ConocoPhillips
Spill Drill	9/20/11	Roxana, IL	St. Louis (Wood River, IL)	Spill Drill	Spill Drill	Spill Drill	Spill Drill	Boat, pneumatic skimmer, 1000-feet of 24" boom and boom vane	1 Day	Mississippi River		ConocoPhillips
931413	9/21/11	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	150-gal	150-gal	Heat Exchanger	Vacuum Truck, Crew Cab, Pressure Washer	3 days	Land		ConocoPhillips
931489	10/4/11	Roxana, IL	St. Louis (Wood River, IL)	Additive	50-gal	50-gal	Vent left open on tanker	Crew Cab, Hand Tools	1 day	Roadway		Shell Oil Products
931503	10/6/11	Roxana, IL	St. Louis (Wood River, IL)	Oil	1600-gal	1600-gal	Tanker over turned	Vacuum Truck, Crew Cab, Hand Tools, Absorbent Boom, Pressure Washer	6 days	Roadway and ditch		Shell Oil Products
931520	10/7/11	Roxana, IL	St. Louis (Wood River, IL)	Acid	100-gal	100-gal	Bleeder valve left open	Vacuum Truck	2 days	Rock		ConocoPhillips
931614	10/27/11	Roxana, IL	St. Louis (Wood River, IL)	Oil	150-gal	150-gal	Pipe running across pond broke	Vacuum Trucks	1 day	Ditch		ConocoPhillips
931673	11/8/11	Roxana, IL	St. Louis (Wood River, IL)	Oil	70-gal	70-gal	Flange leak into source	Vacuum Trucks	1 day	Coker source		ConocoPhillips
931682	11/8/11	Roxana, IL	St. Louis (Wood River, IL)	Oil	20-gal	20-gal	Oil seeped through ground	Vacuum Truck	1 day	Land		ConocoPhillips
931729	11/15/11	Roxana, IL	St. Louis (Wood River, IL)	Coker FEED MATERIAL	20BARRELLS	20 barrels	Drum leak	Vacuum Truck, Crew Cabs, Pressure Washer	8 days	Land		ConocoPhillips
931767	11/28/11	Roxana, IL	St. Louis (Wood River, IL)	Hydro water carbs	60-gal	60-gal	Overflow	Vacuum Truck, Crew Cab	1 day	Land		ConocoPhillips
931810	12/5/11	Roxana, IL	St. Louis (Wood River, IL)	Sour water	10 barrels	10barrels	Leaking pipe	Vacuum Truck,Crew Cab, Skid Steer	2 days	Land		ConocoPhillips

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HERITAGE ENVIRONMENTAL SERVICES – 2011 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
931844	12/12/11	Roxana, IL	St. Louis (Wood River, IL)	Asphalt	2 barrels	2 barrels	Pipe line break	Vacuum Truck, Crew Cab, Hand Tools	2 days	Ditch		ConocoPhillips
931902	12/27/11	Roxana, IL	St. Louis (Wood River, IL)	Black Oil	100-gal	100-gal	Pump	Vacuum Truck	1 day	Rocks		ConocoPhillips
912384	3/25/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500’ Hard Boom	1 day	Mississippi River		BASF
912384	4/19/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500’ Hard Boom	1 day	Mississippi River		BASF
912384	4/20/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500’ Hard Boom	1 day	Mississippi River		BASF
912384	5/9/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500’ Hard Boom	1 day	Mississippi River		BASF
912384	5/18/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500’ Hard Boom	1 day	Mississippi River		BASF
912384	6/15/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500’ Hard Boom	1 day	Mississippi River		BASF
912384	7/28/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500’ Hard Boom	1 day	Mississippi River		BASF
912384	9/6/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500’ Hard Boom	1 day	Mississippi River		BASF
912384	9/30/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500’ Hard Boom	1 day	Mississippi River		BASF
912384	10/3/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500’ Hard Boom	1 day	Mississippi River		BASF
912384	10/19/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500’ Hard Boom	1 day	Mississippi River		BASF
912384	10/20/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500’ Hard Boom	1 day	Mississippi River		BASF
912384	10/24/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500’ Hard Boom	1 day	Mississippi River		BASF
912384	11/2/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500’ Hard Boom	1 day	Mississippi River		BASF

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HERITAGE ENVIRONMENTAL SERVICES – 2011 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
912384	11/3/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500' Hard Boom	1 day	Mississippi River		BASF
912384	11/14/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500' Hard Boom	1 day	Mississippi River		BASF
912384	11/29/11	Hannibal, MO	St. Louis (Wood River, IL)	Stand By	Stand By	Stand By	Barge Unloading	OPA Boat, Crew Cab, 500' Hard Boom	1 day	Mississippi River		BASF
929026	2010	Venice and Fourchon, LA	St. Louis (Wood River, IL)	Crude Oil	>100,000 bbls	N/A	Continuing Remediation of Oil Platform explosion-Event Horizon	Rolloff Boxes, Frac Tanks, 130 bbl tankers, Straight Rolloff Trucks	4 months	Gulf of Mexico/ Intercoastal	Proper management and coordination of transportation and disposal elements are critical to ensuring logistics of this phase of remediation	BP
	9/14/11	Ohio River	Louisville	DRILL	NA	NA	Barge Transfer	1-PM; 3-FT's; Boat w/Motor; 500' of Boom	1 Day	Ohio River		
	9/24/11	Ohio River	Louisville	DUCKY DERBY	NA	NA	Charity Event	1-FS; 4-FT's; Boat w/Motor 300' of Boom	1 Day	Ohio River		
	11/22/11	Ohio River	Louisville	Table-Top	NA	NA	Barge Transfer	1-PM	NA	Ohio River		Lykins Oil
924634	January 19	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River		US Steel – Gary Works
930273	January 24-25	Gary, IN	Gary, IN	Clean Tar Spill from Permanent Boom	NA	NA	Permanent Boom Locations / #14 Blast Furnace	John Boat, Vacuum Truck and 80' sorbent boom	2 day	Channel / River		US Steel – Gary Works
924634	March 26	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River		US Steel – Gary Works
924634	May 02	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River		US Steel – Gary Works
924634	June 03	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River		US Steel – Gary Works
924634	July 08	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River		US Steel – Gary Works

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F-3
HERITAGE ENVIRONMENTAL SERVICES – 2011 OSRO PREP DOCUMENTATION
OIL SPILL PROJECT EXPERIENCE

Job #	Date	Location	Service Center	Type Oil	Amount Spilled	Amount Recovered	Source	Type Equipment Used	Duration of Cleanup	Marine Environment	Lessons Learned	Client/Name
924634	October 23	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River		US Steel – Gary Works
924634	October 26	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River		US Steel – Gary Works
924634	November 08	Gary, IN	Gary, IN	Clean Debris from Permanent Boom	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	1 day	Channel / River		US Steel – Gary Works
924634	December 30-31	Gary, IN	Gary, IN	Clean Debris from Grand Cal Headwaters	NA	NA	Permanent Boom Locations	John Boat – Spill Boat and 150' boom	2 day	Channel / River		US Steel – Gary Works

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Preparedness for Response Exercise Program (PREP)
Practice Drill

Scenario

Date: 10/25/2011
Weather: 52^0 F
Wind: 10-15 mph

A spill was reported by phone to Jarrett concerning an oil spill at the Valero riverfront barge and dock area.

Responding were 6 technicians, 1 Supervisor with 1 Vacuum Truck on standby, 1 Response Trailer, 4 Pickup Trucks and appropriate oil containment supplies.

9:30am the call was made to Supervisor of the release.
9:45am the Responders were on scene.
9:50am Crew arrived at River dock.
10:05am Tugboat arrives, Boom in water
10:20am 500 foot of boom in water.
10:40am 1000 foot of boom in the water
10:52am Boom deployed, tied off and secure.

Oil was contained, removed and properly disposed of.

Notes-

Responders:

Mike Matthews, Supervisor
Burt Buttry, HazMat Technician
Jarrod Horyn, HazMat Technician
Scott Heron, HazMat Technician
Adam Miller, HazMat Technician
George Stewart, HazMat Technician
Chuck Reed, HazMat Technician

Jarrett Industries, Inc.

Re: Jarrett Equipment Deployment Confirmation

As a listed Emergency Response and Spill Cleanup Contractor for BP, Jarrett Industries will, when called by an authorized BP representative, respond with experienced personnel and equipment to a release incident.

This letter is to advise you that for the calendar year 2011, Jarrett has met the equipment deployment exercise requirements in accordance with the National Preparedness for Response and Exercise Program (NPREP) guidelines.

Our response equipment has been deployed on several occasions throughout the year, which has exceeded the minimum NPREP required amount for each type. This has been accomplished by conducting training exercises and through actual spill response. This response equipment includes boats, containment boom, skimmers, and vacuum trucks.

Jarrett response equipment has been properly maintained through inspections prior to deployment and response personnel have received the appropriate training requirements to handle this equipment.

If you should have any questions or require additional information please contact me at 618-251-4116.

Sincerely,
Mike Young
Jarrett Industries

bp

Contractor Deployment Drill
Jarrett Industries

June 1, 2012

An additive contamination occurred at 08:40 on Friday morning, the holiday weekend. Mike Young- Jarrett Industries was called and asked about support for handling the additive situation. He was able to provide two Vac Trucks and qualified technicians to handle the removal of the contaminated additive and support for the tank cleaning. The first truck arrived within 30 minutes of the initial call.

Vernon St. Peters- Terminal Manager
Wood River terminal

US Pipelines & Logistics
150 West Warrenville Road
Naperville, IL 60563

September 14, 2012

Appointment and Authorization of "Qualified Individuals"

BP Pipelines (North America) Inc., a corporation duly organized and subsisting in good standing under the laws of the State of Maine, United States of America, operator of fuel distribution terminals of BP Products North America Inc., BP West Coast Products LLC, Arco Terminal Services Corporation, operator for Olympic Pipe Line Company and Destin Pipeline Company, L.L.C. (the **"Company"**) and owner/operator of pipeline pump or transmission stations; by Steve Pankhurst, its President, does hereby constitute, designate and appoint the following individuals:

Performance Unit Leaders and Area Operations and Area Pipelines Managers:

Bobby Talley	East of Rockies Performance Unit Leader
Tyrone Mitchell	East Ops Operations Manager
Julea Mitchell	East Ops Northeast Terminals Area Manager
Jeffery Schimmel	East Ops Southeast Terminals Area Manager
Mike Cunningham	MW North Area Manager
Timothy Smith	MW South Area Manager
Thomas Antenucci	Ohio Valley Area Manager
Houston Johnson	East Divestment Operation Manager
Joseph Estep	Mid America Central Divestment Operations Manager
Kirsty Clode	Gulf Region Performance Unit Leader
Brian Miller	Gulf Region Maintenance & Reliability Manager
Chris Maudlin	SW USPL Logistics - Head of Logistics
Timothy Hayes	SW Logistics - Pipeline Operations O&M Manager
Ben Martinez	SW Logistics - Terminal/Fleet Operations Manager
Steve Maulding	West - NW Performance Unit Leader
Edward Cimaroli	NW Olympic Area Operations Manager
Rosalie Anne Lopez	NW O&M North Terminals O&M Manager

Pursuant to the Federal Water Pollution Control Act, as amended by the Oil Pollution Act of 1990, and the regulations promulgated thereto with respect to required Response Plans, as may be applicable, you are each hereby appointed for and on behalf of the Company to serve as "Qualified Individual" for the particular assets/facilities of which you are manager.

You are hereby expressly granted authority under the applicable Response Plan to:

(1) Activate and engage necessary oil spill removal organization(s);
(2) Act as liaison with the pre-designated Federal On-Scene Coordinator (FOSC); and
(3) Obligate, either directly or through prearranged contracts, funds necessary to carry out all required or directed oil spill response activities.

You are also authorized to further delegate these spill response authorities to an appropriate "Alternate Qualified Individual". You must delegate the spill response authorities to those persons listed in your area's/district's Emergency Response Plans as "Alternate Qualified Individual". Such delegation must be made promptly, in writing, by issuing a copy of the letter enclosed to each person so designated, and each delegation letter must be kept on file.

Steve Pankhurst

Steve Pankhurst - Business Unit Leader, US Pipelines & Logistics

(Note: Original on file in the office of the S&O HSSE Manager)

cc: Bobby Talley, Performance Unit Leader - East of Rockies
Kirsty Clode, Performance Unit Leader - Gulf of Mexico
Chris Maudlin, Head of Logistics- West SW
Steve Maulding, Performance Unit Leader - West NW

VIRTUAL TRAINING ASSISTANT (VTA)
COURSE ATTENDANCE

COURSE TITLE: Waste Management – Operational (HAZ) **COURSE CODE:** REGENV219

DATE: 9/24/12 **INSTRUCTOR:** Jeff Piatt

LOCATION: Wood River Terminal

VTA LOGIN ID	NAME	SIGNATURE
~~Dianne Selhime~~		
selhimdm	Dianne Selhime	Dianne Selhime
SIMPJR	Justin Simpson	Justin Simpson
HillRK	Deon Hill	Deon Hill
mcgeta	Tim McGee	Tim McGee
tonsbm	Brad Tonsor	Brad Tonsor
St Pete VH	Vernon St Petens	Vernon St Petens
SmithPE	Phil Smith	
Edmunde	Robert Edmundson	Robert Edmundson
PhileJ	Eric Phillips	
DeckJ3	Justin Decker	

VIRTUAL TRAINING ASSISTANT (VTA)
COURSE ATTENDANCE

COURSE TITLE: SPCC Training **COURSE CODE:** REGENV199

DATE: 9/24/12 **INSTRUCTOR:** Jeff Piatt

LOCATION: Wood River Terminal

VTA LOGIN ID	NAME	SIGNATURE
selhimdm	Dianne Selhime	Dianne Selhime
HILLRK	Deon Hill	Deon Hill
MCgeta	Tim McGee	Tim McGee
tonsbm	Brad Tonsor	Brad Tonsor
SIMPJR	Justin Simpson	Justin Simpson
St Petevm	Vernon St. Peters	Vernon St Peters
SmithPE	Phil Smith	
Edmundr	Robert Edmundson	Robert Edmundson
DeckJ3	Justin Decker	
PhileJ	Eric Phillips	Eric Phillips

DISCHARGE PREVENTION MEETING LOG

Date: 9/24/12 Wood River Terminal	
Attendees:	
Jeff Piatt Jeff Piatt	Justin Decker
Dianne Selkirk Dianne Selkirk	Eric Phillips / Eric Phillips
Deon Hill Deon Hill	
Tim McGee Tim McGee	
Brad Tonsor Brad Tonsor	
Vernon St. Peters	
Phil Smith	
Robert Edmundson Robert Edmundson	
Justin Simpson Justin Simpson	
Such briefings must highlight and describe known discharges as described in §112.1(b) or failures, malfunctioning components, and any recently developed precautionary measures.	

Subject/Issue	Required Action	Implementation
Reviewed spills	None required	
that occurred over		
the past 2 years		
Revise SPCC Plan	URS to revise plan	
to	to include terminal	
	ops only.	

VIRTUAL TRAINING ASSISTANT (VTA)
COURSE ATTENDANCE

COURSE TITLE: NPDES Training **COURSE CODE:** REGENV242

DATE: 9/24/12 **INSTRUCTOR:** Jeff Piatt

LOCATION: Wood River Terminal

VTA LOGIN ID	NAME	SIGNATURE
selhimdm	Djanne Selhime	Djanne Selhime
HillRK	Deon Hill	Deon Hill
mcgeta	Tim McGee	Tim McGee
stPetVH	Veron St. Peters	Veron St Peters
SmithPE	Phil Smith	
Edmundr	Robert Edmundson	Robert Edmundson
PhilEJ	Eric Phillips	Eric Phillips
DeckJB	Justin Decker	
tonsbm	Brad Tonson	Brad Tonson
SIMPJR	Justin Simpson	Justin Simpson

VIRTUAL TRAINING ASSISTANT (VTA)
COURSE ATTENDANCE

COURSE TITLE: GD-GACT Training **COURSE CODE:** REGENV263

DATE: 9/24/2012 **INSTRUCTOR:** Jeff Piatt

LOCATION: Wood River Terminal

VTA LOGIN ID	NAME	SIGNATURE
selhimdm	Dianne Selhime	Dianne Selhime
HillRK	Deon Hill	Deon Hill
Mcgeta	Tim McGee	Tim McGee
StPeteDH	Vernon St. Peters	Vernon St Peters
SmithPE	Phil Smith	
Edmundr	Robert Edmundson	Robert Edmundson
PhileJ	Eric Phillips	Eric Phillips
DeckJS3	Justin Decker	
tonsbm	Brad Tonsor	Brad Tonsor
SIMPJR	Justin Simpson	Justin Simpson

bp

WOOD RIVER TERMINAL

Region: Midwest **District:** Mid-America

SAFETY MEETING ATTENDANCE SIGN-IN

COURSE TITLE: Weekly Safety Meeting, Lessons Learned-Permit Review, 90 day look ahead Hazard Mitigation, 2012 Table Top Review Lessons learned, Local Issues
COURSE CODE: NRGSAF-999, REGENV-201 Eric: Penetrating Solvent - MSDS Review, STP-4202 Bolting, Gaskets
DATE: January 14 , 2013 **INSTRUCTOR:** Vernon St. Peters Alicia: Winter Survival Kit
Duration: 1.0 Hrs.

VTA LOGIN ID	NAME	SIGNATURE
stpetevh	Vernon St. Peters	
Hill RK	Deon Hill	
PhileJ	Eric Phillips	
heimerwd	Doug Heimer	
tonsbm	Brad Tonsor	
Deck53	JUSTIN DECKER	
selhimdm	Dianne Selhime	
Crawfotm	Tammy Perry	
izardla	Lisa Ward	
Vanzanar	Alicia Jefferson	

5.0 LESSONS LEARNED

Below is a list of Lessons Learned and ideas for actions that could be taken to improve facility preparedness. This list is also intended to highlight things that were done well in order to reinforce them for the future.

LESSONS LEARNED
1. Language on the ICS 201-5 should clarify the difference between inside characterization and outside characterization.
2. Contacting neighboring facilities when an emergency occurs is recommended. The contact numbers should be entered into the Facility Response Plan.
3. Although the emergency stop switch is effective in shutting off power to the loading rack, other ignition sources such as a nearby vending machine are still present. It is recommended that shut down procedures be updated to reflect the hazard of all nearby ignition sources. If it is deemed not feasible to shut off all ignition sources, then contacting the local utility company to shut off power to the terminal should be considered.
4. The Incident Command made effective use of the 2008 DOT Emergency Response Guide. Wood River Fire Department offered to provide updated versions (2012) of the guidebook.
5. Even at the Initial Response Phase, the Incident Command Post became somewhat loud. The use of breakout rooms was identified and should be made available as part of the ICP in the future.
6. The procurement and use of colored vests for the Command Staff and General Staff is recommended.

Research

Justin Decker Invest.

Contact US WRFD

Use of Breakout Rooms.

Call Paula for source or loan

THIS IS A DRILL

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bp

OSRO Unannounced Equipment Deployment 4/22/2013

Jarrett Industries

Response

Monday, April 22, 2013, I was walking through the tank farm with the Corrosion team (Craig Tucker and Steve Padden) when a valve was observed leaking product through the blind flange. It was the CSP valve on 240 Header and the header was blocked in due to a LOTO job that had finished approx. 9am. It was a warm, sunny day and thermal pressure had built up causing the valve to leak through the gasket. After calling the Oil Movements technician (Phil Smith) right away at 2pm, Jarrett Industries was called to send a vac truck. LOTO was removed from header and line was vented. Jarrett responded with vac truck on or about 2:30pm, gas test was performed by maintenance dept (Eric Phillips) and clean up commenced immediately. Product released was less than three gallons but due to the fact that it was leaking on pooled rain water several hundred gallons of water had to be skimmed to get all the product sheen.

Vernon St. Peters
Terminal Manager
BP Products NA Inc

bp

April 26, 2013

Jarrett Equipment Deployment- (Un-announced)

Objectives :

1. **Immediate response to diesel leak to mitigate product from migrating to a larger area.**
2. **Rapid clean and complete clean up of diesel sheen taking rain water with it.**
3. **Recycle through Oil / Water Separator.**
4. **Debrief**

Summary: All objectives were met.

Lessons Learned:

1. **Have a spotter when backing the Vac. Truck off of main road.**
2. **Use care when maneuvering Vac. Truck on rain saturated soil.**
3. **Control of Work Process was used for mitigation of hazards.**

Vernon St. Peters
Terminal Manager
Wood River

US Pipelines and Logistics
150 West Warrenville Road
Naperville IL 60563

Date: November 20, 2013

Appointment and Authorization of "Alternate Qualified Individuals"

Pursuant to the Federal Water Pollution Control Act, as amended by the Oil Pollution Act of 1990, and the regulations promulgated thereto with respect to required Response Plans, as may be applicable, I hereby appoint Vernon St Peters for and on behalf of the Company to serve as "Alternate Qualified Individual" for the Wood River Terminal. He is hereby expressly granted authority under the applicable Response Plan to:

(1) Activate and engage necessary oil spill removal organization(s);

(2) Act as liaison with the predesignated Federal On-Scene Coordinator (FOSC); and

(3) Obligate, either directly or through prearranged contracts, funds necessary to carry out all required or directed oil spill response activities.

Tom Antenucci
Ohio Valley Terminals District Operations Manager