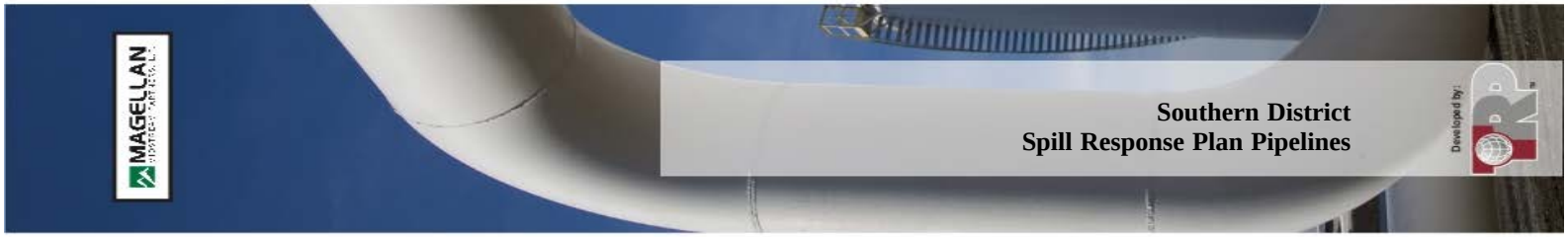
U.S. Department
of Transportation
**Pipeline and Hazardous
Materials Safety Administration**

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.



Southern District

Spill Response Plan Pipelines

MAGELLAN
MIDSTREAM PARTNERS, L.P.
Developed by:
TRP
TECHNICAL RESPONSE PLANNING
CORPORATION
1610 Woodstead Ste. 355 • The Woodlands TX 77380 USA • Tel: 281-955-9600 • Fax: 281-955-0369 • info@trpcorp.com • www.trpcorp.com

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CORPORATION

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Response Procedures Flow Chart

SPILL

Perform Initial Response

2
- Establish site control/evacuation
- Establish source control/mitigation
- Initiate surveillance activities
- Perform initial containment tactics
- Perform impact assessment

3
- Call out initial response contractors
- Perform notifications

Establish Incident Command

4
- Establish command
- Activate Emergency Management Team
- Assign personnel

5
- Initiate documentation procedures

Develop Incident Plans

Evaluate Sensitivities and Wildlife

5
- Establish incident priorities:
  - Protection of responders and public
  - Incident stabilization
  - Protection of environment
  - Protection of property
- Develop Incident Action Plan (IAP)
- Develop Site Safety and Health Plan
- Develop Decontamination Plan
- Develop Incident Security Plan
- Develop Disposal Plan

6
- Identify sensitive areas
- Perform vulnerability analysis
- Initiate wildlife rehabilitation/protection

Sustained Response Actions

7
- Procure response and support resources
- Implement security measures
- Oil handling and disposal techniques
- Initiate public relations activities

Demobilization / Incident Review

8
- Demobilization
- Post Incident Review
- Debriefing

END OF EVENT

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

Magellan Pipeline Company\electronic_plan\graphics_source\Index.cdr

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SECTION 1
INTRODUCTION

Last revised: April 18, 2014

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Figure 1-1 - Record of Changes

Figure 1-2 - Distribution List

Figure 1-3 - Southern District Information Summary

Figure 1-4 - System Pipeline Overview Map

Figure 1-5 - Southern District Zone Map

1.1 Purpose / Scope of Plan

1.2 Plan Review and Update Procedure

1.3 Certification of Adequate Resources

1.4 Agency Submittal / Approval Letters

FIGURE 1-1 - RECORD OF CHANGES

Changes to this Plan will be documented on this page. Plan review and modifications will be initiated and coordinated by the Environmental, Health, Safety, and Security Department (EHS&S) in conjunction with the Area Supervisor/Manager of Operations.

DATE OF CHANGE	DESCRIPTION OF CHANGE	PAGE NUMBER
11/30/2006	2006 Edition Published	
10/24/2009	October, 2009 Edition submitted to PHMSA	
4/1/2010	2010 Edition Published	
9/24/2010	Edit Line segments and maps to reflect newly purchased pipeline in S. Houston area.	
5/2/2011	Published 2011 Updates of Sections 1, 3, B&C. Added new line segment from Reagan to Temple. Distributed plan to Southlake Terminal. Added sensitivity maps showing new line.	
7/30/2013	2013 Edition Released. Includes the newly built Strauss Pipeline segment, the newly acquired El Paso-Albequerque segment and corresponding lines, maps, contact information and T&E species. Several OSROs added since the last edition. Section 2 - Emergency response actions has been extensively modified, including sections on Air monitoring, first aid, fire fighting, H2S, HVL, Earthquake. In Section 4, ICS titles were amended to be NIMS compliant. Section 4 was amended to include a large response organization chart. Section 5 was amended to include the planning cycle and planning "P". In 2011, TGLO information was added. In 2011, Special access locations were added to Section 6 and in 2013, Tactical sites were added.	
8/21/2013	Added two crude lines that were formerly in the Galena Park plan. Lines 114-20" and 115-20".	
8/29/2013	Section 1.1	
4/18/2014	Reworked the plan to include the new Colorado City to Houston line segment.	

	Modified zone maps, counties, and added sensitivity maps.	
4/18/2014	Section 6.7	
4/22/2014	Section 3 Figure 3.1-3 and Appedix A Figure A.2-3 from Company Personnel Import	

FIGURE 1-2 - DISTRIBUTION LIST

Paper copies of this plan are issued to each operations supervisor and are also located at each manned facility. Compact Disk copies of this plan are located at unmanned facilities. Online versions of the plan is available to all employees with computer access.

PLAN HOLDER	ADDRESS	NUMBER OF COPIES		INITIAL DISTRIBUTION DATE
		PAPER	ELECTRONIC	
Manager of Operations Control	One Williams Center, MD 30 Tulsa, OK 74172	0	0	Online Access
Manager of Refined Operations, Southern District	P.O. Box 128 Mertens, Texas 76666	1	0	April, 2010
Operations Supervisor, Dallas Terminal	4200 Singleton Blvd. Dallas, TX 75212	1	0	April, 2010
Operations Supervisor - W. Ft. Worth Terminal	6000 I-20 East Aledo, TX 76008	1	0	April, 2010
Response Plans Officer, Pipeline and Hazardous Material Safety	U.S. Department of Transportation 1200 New Jersey Ave SE., Room E22-210 Washington, DC 20590	0	2	August 2013
Mary McDonald, Director Safety Division, Texas Railroad Commission	P.O Box 12967 Austin, TX 78711	0	1	April, 2010
Supervisor, Southeast District Asset Integrity	2120 S. 33rd West Ave. Tulsa, OK 74107	1	0	April, 2010
Supervisor South Texas Area	2685 South San Gabriel Hearne, TX 77859	1	4	April, 2010
Supervisor, North Texas Area	4200 Singleton Boulevard Dallas, TX 75212	1	0	April, 2010

Operations Supervisor - Frost Terminal	21115 W. State Hwy 22 Mertens, TX 76666	1	0	April, 2010
Supervisor, West Texas Area	2700 South Grandview Odessa, TX 79766	1	8	April, 2010
Operations Supervisor (Van Tine)	13551 Montana Ave El Paso, TX 79938	1	0	April, 2010
Supervisor - South Texas Area	7901 Wallisville Road Houston, TX 77029	1	0	April, 2010
Operations Supervisor - Mt. Pleasant Terminal	15023 W. Ferguson Mt. Pleasant, TX 75455	1	0	April, 2010
Supervisor Colorado City (Stokes)	4210 Sierra Sunset Abilene, Texas 79606	1	1	August 2013
Supervisor New Mexico - Montes	6325 Trowbridge Dr El Paso, TX 79905	1	1	August 2013
OPS Supv. E. Houston - Willison	7901 Wallisville Road Houston, Texas 77029	0	1	1
OPS Supv. Houston South - Deaton	1313 W. Pasadena Fwy Pasadena, Texas 77506	0	1	1/15/2013
OPS Supv. Houston South - Brantley	1313 W. Pasadena Fwy Pasadena, Texas 77506	0	1	1/15/2013
OPS Supv. E. Houston - Langley	7901 Wallisville Road Houston, Texas 77029	0	1	1/15/2013

FIGURE 1-2 - DISTRIBUTION LIST

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PLAN HOLDER	ADDRESS	NUMBER OF COPIES		INITIAL DISTRIBUTION DATE
		PAPER	ELECTRONIC	
SPC SUPV - E. Houston - Johns	7901 Wallisville Road Houston, Texas 77029	0	1	1/15/2013
Environmental Specialist-Monica Olason	One Williams Center, MD 29 Tulsa, OK 74172	1	0	April, 2009
Environmental Specialist (Moyer)	One Williams Center, MD 27 Tulsa, OK 74172	0	0	
Emergency Response	One Williams Center, MD 29	1	0	April, 2009

Coordinator	Tulsa, OK 74172			
Colorado City Terminal	2058 County Road 4156 Hermleigh, Texas 79526	2	2	May 2014
Odessa Terminal	2700 S. Grandview Odessa , TX 79766	1	0	April, 2010
Dallas Terminal	4200 Singleton Boulevard Dallas, Texas 75212	1	0	April, 2010
Mount Pleasant Terminal	15023 W. Ferguson Mount Pleasant, Texas 75455	1	0	April, 2010
West Fort Worth Terminal	6000 Interstate 20 East Aledo, TX 76008	1	0	April, 2010
Southlake Terminal	2100 Mustang Court Grapevine , Texas 76051	1	1	May 2011
DeLeon Station c/o Area Supervisor	4351 State Highway 16 DeLeon, Texas 76444	0	0	TBA
Tye Station	502 Drummond Road Tye, Texas 79606	1	0	April, 2010
East Houston Station	7901 Wallisville Road Houston, TX 77029	1	0	April, 2010
Underwood Junction Station	Attention: Underwood Junction Station c/o Area Supervisor 2115 E. Hwy 22 Mertens, TX 76666	0	1	April, 2010
Kermit Station	Attention: Kermit Station, c/o Area Supervisor, 2700 South Grandview Odessa, TX 79766	0	1	April, 2010
Iatan Station	Attention: Iatan Station c/o Area Supervisor 502 Drummond Road Tye, TX 79606	1	0	April, 2010
Clyde Station	Attention: Clyde Station c/o Area Supervisor 502 Drummond Road Tye, TX 79606	1	0	April, 2010
Marlin Station	1.2 miles NE of Hwy 6 on FM 147 Marlin, TX 76661	0	1	April, 2010
Waco Station	P.O. Box 154461 Waco, TX 76715	0	1	April, 2010

Aldine Station	615 Aldine Bender Rd. Houston, TX 77060-4405	0	1	April, 2010

FIGURE 1-2 - DISTRIBUTION LIST

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PLAN HOLDER	ADDRESS	NUMBER OF COPIES		INITIAL DISTRIBUTION DATE
		PAPER	ELECTRONIC	
Centerville Station	2459 Hwy 7 West Centerville, TX 75833	0	1	April, 2010
Corsicana Station	9/10 mile South on 45th St. from 7th Street on SW 1025 Corsicana, TX 75151	0	1	April, 2010
Maypearl Station	Attention: Maypearl Station c/o Area Supervisor 2115 E. Hwy 22 Mertens, TX 76666	0	1	April, 2010
Chico Station	Attention Chico Station c/o Area Supervisor 2115 E. Hwy 22 Mertens, TX 76666	0	1	April, 2010
Reagan Station c/o supervisor	2685 South San Gabriel Hearne, Texas 77859	0	1	May 2011
Cresson Station	Attention: Cresson Station c/o Area Supervisor 2115 E. Hwy 22 Mertens, TX 76666	0	1	April, 2010
Iatan Station c/o Area Supervisor	17001 East County Road 16 Coahoma, Texas 79511	0	0	TBA
Walnut Springs Station	Attention: Walnut Springs Station c/o Area Supervisor 2115 E. Hwy 22 Mertens, TX 76666	0	1	April, 2010
Hueco Station	Attention: Hueco Station c/o Area Supervisor 13551 Montana Avenue El Paso, TX 79938	0	1	April, 2010

Henrietta Station	Attention: Henrietta Station c/o Area Supervisor 2115 E. Hwy 22 Mertens, TX 76666	0	1	April, 2010
Frost Station	21115 West State Hwy 22 Mertens, TX 76666	1	0	April, 2010
Black River Station	Attention: Black River Station c/o Area Supervisor 2700 South Grandview Odessa, TX 79766	0	1	April, 2010
Greenville Station	2867 County Road 2168 Caddo Mills, Texas 75135	1	0	April, 2010
Hearne Station	P.O. Box 830 Hearne, TX 77859	1	0	April, 2010
Grandview Station	Attention: Grandview Station c/o Area Supervisor 2115 E. Hwy 22 Mertens, TX 76666	0	1	April, 2010
Speed Junction	1313 West Pasadena Freeway Pasadena, Texas 77506	1	0	October, 2010
Texas City Office c/o Speed Jct	1313 West Pasadena Freeway Pasadena, Texas 77506	1	0	October, 2010
Temple Station c/o Supervisor	2685 South San Gabriel Hearne, Texas 77859	0	1	May 2011
Albuquerque Office	3200 Broadway SE Albuquerque, NM 87105	1	1	August 2013
El Paso Office	6325 Trowbridge Dr El Paso, TX 79905	1	1	August 2013

FIGURE 1-2 - DISTRIBUTION LIST

Paper copies of this plan are issued to each operations supervisor and are also located at each manned facility. Compact Disk copies of this plan are located at unmanned facilities. Online versions of the plan is available to all employees with computer access.

PLAN HOLDER	ADDRESS	NUMBER OF COPIES		INITIAL DISTRIBUTION DATE
		PAPER	ELECTRONIC	
TAS Environmental	3929 California Pkway	0	1	April, 2010

	E. Fort Worth, TX 76119			
Viva Environmental El Paso Office	7201 Stiles Dr. El Paso, TX 79915	0	1	April, 2010
Eco-Logical Environmental Solutions, Inc.	2200 Market Midland, TX 79703	0	1	April, 2010
Acme Products Company	2666 N. Darlington Tulsa, OK 74115	0	1	April, 2010
A-Clean	2700 S 25th W. Ave Tulsa, OK 73463	0	1	April, 2010
Eagle Construction and Environmental	9701 I-20 East Eastland, TX 76448	0	1	April, 2010
Garner Environmental Services Inc.	1717 W. 13th Street Deer Park, TX 77536	0	1	April, 2010
OMI Environmental Solutions (Oil Mop)	2308 W. Fairmont Parkway La Porte, TX 77571	0	1	April, 2010
Technical Response Planning Corporation	Access to Planning System Online Houston, TX	0	0	Online Access

FIGURE 1-3 - SOUTHERN DISTRICT INFORMATION SUMMARY

Owner/Operator:	Magellan Pipeline Company, L.P. P. O. Box 22186 Tulsa, OK 74121-2186
Zone Name:	Southern District
Zone Mailing Address:	One Williams Center, PO Box 22186 Tulsa, TX 74121-2186
Zone Telephone/Fax:	(918) 574-7700 / (918) 574-7248
Qualified Individuals:	

	Home
Edward Fuchs Mgr Operations II 713/475-4301 (Office) (b) (6) [redacted] 713/263-4369 (Mobile)	
Tommy Adams Supv Area 432/638-4568 (Office) (b) (6) [redacted] 432/638-4568 (Mobile)	
Charles Bishop Supv Operations II 817/441-8298 (Office)	

	(b) (6) [redacted] 903/654-8878 (Mobile)	
	Erin Brantley Supv Operations II 713/475-4303 (Office) (b) (6) [redacted] 713/294-0150 (Mobile)	
	Alan Cosby Supv Operations II Incident Commander 325/267-5984 (Office) (b) (6) [redacted] 325/267-5984 (Mobile) (302) 655-3209 (fax) (Pager)	
	Troy Culbertson Supv Operations II 214/688-1770 (Office) (b) (6) [redacted] 214/399-1566 (Mobile)	

FIGURE 1-3 - SOUTHERN DISTRICT INFORMATION SUMMARY

Qualified Individuals:		**Home**
	John Deaton Supv Operations II 713/475-4302 (Office) (b) (6) [redacted] 281/813-8155 (Mobile)	
	Rusty Holman Supv Area Qualified Individual 832/325-5403 (Office) (b) (6) [redacted] 713/825-5873 (Mobile) (713) 825-5873 (Pager)	
	Jim Johnson Supv Area 979/279-6819 (Office) (b) (6) [redacted] 979/324-4702 (Mobile)	
	Roy Johnston Supv Area 903/563-5224 (Office) (b) (6) [redacted] 903/563-5224 (Mobile)	

	Bruce LePage Supv Operations II 432/335-7607 (Office) (b) (6) [redacted] 432/923-1477 (Mobile)	
	Mickey Montes Supv Operations II 915/774-8766 (Office) (b) (6) [redacted] (Mobile)	
	Phil Simpson Mgr Operations I 903/682-3216 (Office) (b) (6) [redacted] 972/935-4108 (Mobile)	

FIGURE 1-3 - SOUTHERN DISTRICT INFORMATION SUMMARY

		Home
Qualified Individuals:	Roy Van Tine Supv Operations II 915/849-1783 (Office) (b) (6) [redacted] 915/217-6309 (Mobile)	
	Helen Walden Supv Operations II 903/682-3216 (Office) (b) (6) [redacted] 972/369-9820 (Mobile)	
	Cole Ballard Supv Area 915/849-1783 (Office) (b) (6) [redacted] 512/468-8048 (Mobile)	
	Mike Blankendaal Supv Area 432/335-7684 (Office) (b) (6) [redacted] 432/528-5468 (Mobile)	
	Dwayne Greaser Terminal Operator Lead	

	505/242-3310 (Office) (b) (6) [redacted] 505/238-0136 (Mobile)	
	Lee Hughes Operator Sr 940/781-7598 (Office) (b) (6) [redacted] (Mobile)	

FIGURE 1-3 - SOUTHERN DISTRICT INFORMATION SUMMARY, CONTINUED

Line Sections / Products Handled:(Refer to Product Characteristic and Hazards, FIGURE D.9-1)

LINE NUMBER	SECTION	LENGTH (miles)	PRODUCTS
6653	El Paso Junction to Strauss 8"	36.7	Refined Petroleum Products
6832	E. Houston Motiva 8"	7.5	Refined Petroleum Products
6840	115-20" Galena park	1.4	Crude oil
6845	114-20" Galena Park	1.4	Crude oil
6899	GREENVILLE- S. LAKE 6" Out of Service	10	Nitrogen
6900	Mt. Pleasant Greenville 6"	75.26	Refined Petroleum Products
6920	HENRIETTA - DUNCAN 12" - HENRIETTA - (b) (7)(F) [redacted]		Refined petroleum products
6921	CORSICANA - CHICO 12" - (b) (7)(F) [redacted]	106	Refined petroleum products
6922	CHICO - WICHITA FALLS 12" - (b) (7)(F) [redacted]	45	Refined petroleum products
6923	UNDERWOOD - PRIDE JCT 12"- Out of Service	1	Nitrogen
6924	PRIDE JCT. - ALEDO TERM. 6" - INTRASTATE - Out of Service	1	Nitrogen
6925	FROST - WHITE ROCK JCT. 12"	8	Refined petroleum products
6926	MIDLAND - CORSICANA 14"/16"/20"	333	Refined petroleum products
6927	XOM CORSICANA - SHELL CORSICANA 20"		Refined petroleum products
6928	CORSICANA - E. HOUSTON 16" - INTRASTATE	174	Refined petroleum products
6929	CORSICANA TIE-IN 20" - INTRASTATE	1	Refined petroleum products
6930	FROST - MOBIL 16" - INTRASTATE	1	Refined petroleum

			products
6931	FROST - IFD 20" - INTRASTATE		Refined petroleum products
6932	MIDLAND - ODESSA 12" - INTRASTATE	25	Refined petroleum products
6933	FROST BYPASS 20"	1	Refined petroleum products
6936	ODESSA - EL PASO 6" (b) (7)(F) [redacted]	135	Nitrogen
6937	EL PASO - SANTA FE 6"		Refined petroleum products
6938	EL PASO - SANTA FE 12" - INACTIVE		Nitrogen
6939	SANTA FE - WESTERN REF. 6"	1	Refined petroleum products
6940	SANTA FE - SOPAC. RR 4" - INACTIVE		Nitrogen
6942	Frost Station - Hillsboro Jct. 10"	9	Refined Petroleum Products
6942	FROST-HILLSBORO JCT 10"	9.5	Refined Petroleum Products
6943	HILLSBORO JCT. - FROST STA. 10" - INTRASTATE	9	Refined petroleum products
6944	HEARNE - FT. WORTH 8"/10" - GV @ (b) (7)(F) [redacted] - FT WORTH		Refined petroleum products
6944	HEARNE - FT. WORTH 8"/10"		Refined petroleum products
6948	Reagan-Temple 4#	38	Refined Petroleum Products
6950	GALENA PARK - E. HOUSTON 12" - INTRASTATE	8	Refined petroleum products
6952	LYONDELL - VALERO 12"	2	Refined petroleum products
6953	GALENA PARK - E. HOUSTON 16" INTRASTATE	8	Refined Petroleum Products
6954	E. Houston - Explorer 20"	7	Refined Petroleum Products
6955	ALDINE - HOUSTON INTERCONT. AIRPORT 6" - INTRASTATE	5	Refined petroleum products
6956	PALM CONNECTION		Refined petroleum products

FIGURE 1-3 - SOUTHERN DISTRICT INFORMATION SUMMARY, CONTINUED

Line Sections / Products Handled:(Refer to Product Characteristic and Hazards, FIGURE D.9-1)			
LINE NUMBER	SECTION	LENGTH (miles)	PRODUCTS

6959	W. Columbia 16"	15.75	Crude oil
7000	Logan - Pasedena 12"	33	Refined Petroleum Products
7005	Texas City - Pasedena 18"	46	Refined Petroleum Products
7010	Texas City - Logan 12"/14"	2	Refined Petroleum Products
7015	Lamar - Texas City 4"	4	Inactive
7020	Latham lateral 14"	.23	Refined Petroleum Products
7025	Genoa JCT- CMS-3 (Texas City) 26"	26	Crude
7030	Genoa JCT-Speed JCT 24"	6	Crude
7035	Speed JCT - Deer Park 24"	6	Crude
7040	SPeed JCT - Valero JCT 24"	1	Crude
7045	Bridgetex Colorado City to E. Houston 20"	406.92	Crude oil
7050	Bridgetex E. Houston - Port Blvd 24"	43.22	Crude Oil
7051	Bridgetex Port Blvd - Marathon 24"	.93	Crude Oil
7052	Bridgetex Port Blvd - Valero 24"	.25	Crude Oil
7055	Speed Jct - Genoa Jct 24"		Crude
7290	El Paso - Albuquerque 8"		Refined Petroleum Products
7291	Belen Lateral 8"		Refined Petroleum Products
7292	El Paso - Juarez 8"		Refined Petroleum Products
7293	El Paso - El Paso Airport 8"		Refined Petroleum Products
7294	El Paso Airport Lateral 8"		Refined Petroleum Products
7550	DALLAS - LOVE AIR FIELD 6"	7	Refined Petroleum Products

FIGURE 1-3 - SOUTHERN DISTRICT INFORMATION SUMMARY, CONTINUED

Description of Zone:	The pipeline carries refined oil (including Diesel, Gasoline, Jet fuel, Natural gasoline, Naptha, Crude Oil, Alkylate, Denatured Ethanol, Bio-Diesel,) in the areas shown in **FIGURE 1-4** and **FIGURE 1-5**
Response Zone Consists of the Following Counties:	**New Mexico:** Bernalillo, Dona Ana, Sierra, Socorro and Valencia **Texas:** Bosque, Callahan, Clay, Comanche, Culberson, Dallas, Eastland, Ector, El Paso, Ellis, Erath, Falls, Franklin, Freestone, Galveston, Harris, Hill, Howard, Hudspeth, Hunt, Jack, Johnson, Leon, Loving,

	Madison, Martin, McLennan, Midland, Mitchell, Montague, Montgomery, Navarro, Nolan, Parker, Reeves, Robertson, Tarrant, Taylor, Titus, Walker, Wichita, Winkler, and Wise
Alignment Maps (Piping, Plan Profiles):	Maintained at: One Williams Center, OTC 9, Tulsa, OK
Worst Case Discharge:	(b) (7)(F) [redacted]
Spill Detection and Mitigation Procedures:	Refer to **SECTION 2** and **APPENDIX D**.
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.
Date Prepared:	June 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 1-4 - SYSTEM OVERVIEW MAP

(Click here for Pipeline System Overview)

FIGURE 1-5 - SOUTHERN DISTRICT MAP

(Click here for Zone Map)

1.1 PURPOSE / SCOPE OF PLAN

The purpose of this Spill Response Plan (Plan) is to provide guidelines to quickly, safely, and effectively respond to a spill from Magellan's pipelines. The pipeline is owned and operated by Magellan Pipeline Company, LP, herein referred to as "Company."

This Plan is intended to satisfy the requirements of the Oil Pollution Act of 1990 (OPA 90), and the Company certifies that the plan has been prepared in accordance with the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) and applicable Area Contingency Plans (ACP), EPA Region Vl Regional Contingency Plan. Specifically, this Plan is intended to satisfy:

- Pipeline and Hazardous Materials Safety Administration (PHMSA), U.S. Department of Transportation requirements for an OPA 90 plan (49 CFR 194)
- Pipeline and Hazardous Materials Safety Administration (PHMSA), U.S. Department of Transportation requirements for Transportation of Natural Gas and other Gas by Pipeline (49 CFR 192.615)
- Occupational Safety and Health Administration (OSHA) requirements for emergency response plans (EAP and ERP) (29 CFR 1910)
- Texas Administrative Code TITLE 16 PART 1 CHAPER 8

Richard Bondy
Emergency Response & Security Coordinator

1.2 PLAN REVIEW AND UPDATE PROCEDURE

In accordance with Company policy and 49 CFR Part 194.121, this Plan will be reviewed annually and modified to address new or different operating conditions or information included in the Plan. Upon review of the response plan for each five-year period, the plan will be submitted to PHMSA prior to 5 years from the last approval date. 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 effect the 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. Examples of changes in operating conditions that would cause a significant change to the Plan include:

CONDITIONS REQUIRING REVISIONS AND SUBMISSIONS
Relocation or replacement of the transportation system in a way that substantially effects the information included in the Plan, such as a change to the Worst Case Discharge volume.
A change in the type of oil handled, stored, or transferred that materially alters the required response resources.
A change in key personnel (Qualified Individuals).
A change in the name of the Oil Spill Removal Organization (OSRO).
Any other changes that materially affect the implementation of the Plan.
A change in the NCP or ACP that has significant impact on the equipment appropriate for response activities.

All requests for changes must be made through the Plan Coordinator and will be submitted to PHMSA by the Environmental, Health, Safety and Training Department (EHS&T).

1.3 CERTIFICATION OF ADEQUATE RESOURCES

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

Magellan Pipeline Company, LP

The Magellan Pipeline Company, LP, hereby certify to the Pipeline and Hazardous Materials Safety Administration 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.

Ed Fuchs
Manager, Southern District

1.4 AGENCY SUBMITTAL / APPROVAL LETTERS

Click here to view the file

1.4 AGENCY SUBMITTAL / APPROVAL LETTERS

Click here to view PHMSA Submittal letter October 2009

1.4 AGENCY SUBMITTAL / APPROVAL LETTERS

Click here to view the file

1.4 AGENCY SUBMITTAL / APPROVAL LETTERS

Click here to view Oil Mop June 2010 Equipment list

1.4 AGENCY SUBMITTAL / APPROVAL LETTERS

Click here to view July 2010 WCD Review

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SECTION 2 Last revised: January 2005

INITIAL RESPONSE ACTIONS

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Figure 2-1 - Initial Response Action Checklist

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 - 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 and/or Explosions

2.3 Evacuation

2.4 Medical

2.5 Tornado

2.6 Flood

2.7 Ice/Snow Storm

2.8 Bomb Threat

2.9 Hydrogen Sulfide (H_2S) Release

2.9.1 General Requirements

INITIAL RESPONSE ACTIONS, CONTINUED

Figure 2.9-1 - Hydrogen Sulfide Effects

Figure 2.9-2 - Hydrogen Sulfide Initial Response Action Checklist

2.9.2 Personal Respiratory Protection

2.10 Flammable Vapor Cloud/Highly Volatile Liquid (HVL) Release

Figure 2.10-1 - Flammable Vapor Cloud/Highly Volatile Liquid (HVL) Release Response Action Checklist

2.11 Earthquake Checklist

2.12 Air Monitoring Checklist

FIGURE 2-1 - INITIAL RESPONSE ACTION CHECKLIST
To be used in conjunction with Section 2.2 through 2.12

SPECIFIC RESPONSE ACTIONS	COMMENT
First Person On-Scene	
Assume the role of Incident Commander until relieved.	
Take appropriate personal protective measures.	
Notify Emergency Responders (911).	
Alert personnel in the area of any potential threat and/ or initiate evacuation procedures.	
Eliminate possible sources of ignition in the vicinity of any spilled product.	
Notify the Magellan Spill Reporting Number.	
Notify Qualified Individual and, if necessary, the Operations Control Center.	
Qualified Individual	
The Qualified Individual will assume or assign the role of Incident Commander.	
Restrict access to the incident scene and surrounding area as the situation demands. Take any other steps necessary to minimize any threat to health and safety.	
Initiate the appropriate Initial Response Actions (**SECTION 2**).	
Ensure medical assistance has been requested for any injury.	
Ensure the Magellan Spill Reporting Number has been called to make appropriate regulatory notifications.	
Verify the type of product and quantity released, request/obtain Material Safety Data Sheets as necessary.	
Identify/ isolate the source and minimize the loss of product.	
Coordinate further initial response actions with local supervision and Incident Commander.	
Environmental Specialist	
Notify appropriate regulatory agencies per the state reporting matrix and update any significant changes (**FIGURE 3.1-3**). • Send out initial release report to Company personnel. • Work assigned role in Spill Management Team, as needed. • Contact environmental contractors, as needed.	
Incident Commander/Qualified Individual	
Activate the Spill Management Team (SMT), as the situation demands (**SECTION 4**).	
Activate additional response contractors and local response resources, as the situation demands (**SECTION 3**).	
Evaluate the Severity, Potential Impact, Safety Concerns, and Response Requirements based on the initial information provided by the First Person On-Scene.	
Classify the incident (**SECTION 3.1**).	
Confirm safety aspects at site, including need for personal protective	

equipment, sources of ignition, and potential need for evacuation.	
If necessary to ensure the safety of employees, reduce the potential for accidental ignition, or to mitigate further damage, take action to safely halt vehicular and/or railroad traffic in the affected area. Coordinate all requests for halting railroad traffic through the local police or fire authorities. All required vehicular and/or railroad traffic control activities will be conducted with the approval of the local police and/or fire authorities.	
Notify Manager of Operations or Director, as appropriate. Provide incident briefing and coordinate activation of Corporate Spill Management Team (SMT), as the situation demands.	
Coordinate/complete additional Internal and External Notifications (**SECTION 3**).	
Proceed to incident site and direct response and clean-up operations.	
Designated SMT personnel will immediately respond to an incident at the Facility as the situation demands.	
Perform response/cleanup operations as directed or coordinated by the Incident Commander.	
Assist as directed at the incident scene.	

FIGURE 2-1 - INITIAL RESPONSE ACTION CHECKLIST, CONTINUED
To be used in conjunction with Section 2.2 through 2.12

SPECIFIC RESPONSE ACTIONS	COMMENT
Response Techniques	
Conduct regular briefings and updates of objectives and status during the early stages of a response.	
Use Internet-based mapping software to obtain images of local topography.	
Use aerial assets early in the response to assess extent of release.	
Track released and recovered product separately from drained product.	
Obtain an air horn.	
Ensure conference calls are formally managed.	
Address landowner concerns early in a response – enlist corporate personnel to assist.	

2.1 SPILL RESPONSE

FIGURE 2.1-1 - SPILL RESPONSE ACTION CHECKLIST

RESPONSE ACTION	PERSON TAKING ACTION (INITIALS)	DATE/TIME ACTION TAKEN
First Person to Discover Spill		

Take appropriate action to protect life and ensure safety of personnel. Contact the appropriate local emergency responders or request the office to do so.		
Obtain the information necessary to complete the Release/Spill Report Form (**FIGURE 3.1-2**) and phone this information to the Magellan Spill Reporting number to make appropriate regulatory notifications.		
Notify the Qualified Individual, and if necessary, the Operations Control Center.		
Immediately shutdown pipeline (if applicable). Remotely controlled motor operated valves will be closed by the Operations Center as soon as a leak is detected.		
Secure the scene: 1. Isolate the spill scene to assure the safety of people and the environment. Establish a SECURITY PERIMETER with barriers, roadblocks and fencing if possible. Keep non-essential personnel and onlookers outside the SECURITY PERIMETER. As soon as possible, assign security personnel to monitor roadblocks and other barriers, keep records of arriving responders, and to deny entry to unauthorized personnel. 2. Establish an EXCLUSION ZONE encompassing all free liquids, hazardous vapors, or any potential hazards such as fire or explosion. As soon as possible define the Hotline with a physical barrier (such as warning tape), and if possible upgrade the hotline to safety fencing as soon as materials are available. 3. All responders inside the SECURITY PERIMETER should wear high-visibility reflective vests for identification purposes. 4. Personnel should not be permitted to enter the EXCLUSION ZONE unless they are wearing appropriate PPE, and have been directed by the Incident Commander to cross the Hotline.		
Qualified Individual		
Assume role of Incident Commander until relieved.		
Conduct preliminary assessment of health and safety hazards.		
Evacuate non-essential personnel, notify emergency response agencies to provide security, and evacuate surrounding area (if necessary).		
Notify Local Emergency Responders, if necessary.		
Call out spill response contractors (**FIGURE 3.1-3**).		
If safe to do so, direct facility responders to shut down potential ignition sources in the vicinity of the spill, including motors, electrical pumps, electrical power, etc. Keep drivers away from truck rack if spill occurs there.		
If safe to do so, direct facility responders to shut down and control the source of the spill. Be aware of potential hazards associated with product and ensure that lower explosive limits (LELs) are within safe levels before sending personnel into the		

spill area.		

FIGURE 2.1-1 - SPILL RESPONSE ACTION CHECKLIST, CONTINUED

RESPONSE ACTION	PERSON TAKING ACTION (INITIALS)	DATE/TIME ACTION TAKEN
Qualified Individual, Continued		
For gasoline releases from a tank inside a diked area, it may be practical to transfer product out of a tank rather than letting the contents of the tank drain out inside the dike. In some circumstances tank motors and valves inside a dike may be used If gravity feed is not an option. Conduct a hazard risk analysis before attempting operations. Consider: • Motor operated valves are explosion proof • Tank pumps are not explosion proof but are generally sparkless • Air monitoring should be used to determine whether offensive actions can be conducted such as the use of non-explosion proof equipment. • Foam may be used to reduce vapors • Applied foam should be monitored and reapplied if the foam blanket is disturbed or if indicated by air monitoring • Tank starters should not be used if they are in a hazardous atmosphere • Submerged motors should not be used • Contacting a Magellan electrical SME in Engineering and Construction		
If safe to do so, direct facility responders to stabilize and contain the situation. This may include berming or deployment of containment and/or sorbent boom.		
For low flash oil (<100°F); consider applying foam over the oil, using water spray to reduce vapors, grounding all equipment handling the oil, and using non-sparking tools.		
If there is a potential to impact shorelines, consider lining		

shoreline with sorbent or diversion boom to reduce impact.		
Environmental Specialist		
Notify appropriate regulatory agencies per the state reporting matrix and update any significant changes (**FIGURE 3.1-3**).		
Send out initial release report to Company personnel.		
Work assigned role in spill management team, as needed.		
Contact environmental contractors, as needed.		
Incident Commander/Qualified Individual		
Activate all or a portion of Spill Management Team (SMT) (as necessary). Environmental Specialist will maintain contact with notified regulatory agencies.		
Ensure the SMT has mobilized spill response contractors (if necessary). It is much better to demobilize equipment and personnel, if not needed, than to delay contacting them if they are needed.		

FIGURE 2.1-1 - SPILL RESPONSE ACTION CHECKLIST, CONTINUED

RESPONSE ACTION	PERSON TAKING ACTION (INITIALS)	DATE/TIME ACTION TAKEN
Incident Commander/Qualified Individual, Continued		
Most emergencies can be categorized using tiers to define the extent of the emergency as well as the potential resources to respond to the emergency. Tier 1. A localized event that does not impact flowing waters and does not result in evacuations or closure of major roadways or railways. Tier 2. An event that impacts flowing waters, may result in minor evacuations, may cause minor injuries, may shut down a minor waterway or may temporarily shut down a major roadway. Tier 3. An event that has the potential to cause major economic or reputational damage to the Company including events which may involve major injuries or fatalities, cause mass evacuations, impact miles of waterways or close major navigable waters to marine traffic. See **SECTION 4.1** For SMT response		
Document all response actions taken, including notifications, agency/media meetings, equipment and personnel mobilization and deployment, and area impacted. (Refer to **SECTION 5** for		

documentation.)		
Initiate spill tracking and surveillance operations. Determine extent of pollution via surveillance aircraft or vehicle. Estimate volume of spill utilizing information in **SECTIONS 2.2** and **2.3**. Send photographer / videographer if safe.		
SECONDARY RESPONSE ACTIONS (Refer to SMT job descriptions in **SECTION 4.6**)		
FACILITY SPECIFIC RESPONSE CONSIDERATIONS (Refer to **SECTION 6** for maps and sensitivity information.)		
Cold Weather Response		
PPE is essential; use a layered approach • Base Layer - lightweight, snug fitting, and has the ability to wick perspiration away from the body (silk, polypropylene, etc.) • Mid Layer - insulating and wicking material (fleece, wool, microfiber, etc.) • Waterproof Outer Layer - wind proof, water repellant material, breathable (nylon, gore-tex, down, etc.) • Footwear - thin socks (nylon, silk, wool), heavier socks (wool), overboots (rubber, waterproof & insulated) • Hand and Head Protection - layer with liners and waterproof shells as appropriate, 40-80% of heat loss is through the head (gore-tex, fleece, wool, down, etc.) Remember the COLD method; Clean (keep insulating layers clean), Overheating (adjust layers of clothing as needed), Loose Layers (wear several layers that don't impede circulation), Dry (stay dry, avoid cotton)		
Watch for signs of hypothermia (shivering, apathy, slurred speech, confusion, poor coordination and unconsciousness). Call for medical assistance if symptoms are present.		
If spill involves a water body, assess water body conditions including: • Location of release and product • Current and direction of movement (spill movement will be slower under ice)		

FIGURE 2.1-1 - SPILL RESPONSE ACTION CHECKLIST, CONTINUED

RESPONSE ACTION	PERSON TAKING ACTION (INITIALS)	DATE/TIME ACTION TAKEN
Cold Weather Response, Continued		

Conducting oil recovery operations on iced bodies of water can be dangerous. Only personnel or OSROs trained in cold weather response tactics should undertake this type of effort.		
Rules and Tactics for Ice recovery operations by trained and qualified personnel: • Always use a buddy system and wear harnesses when working on ice • Do not stand over slotted ice • Determine thickness of ice (A powered auger can be used to determine ice conditions). Note: River Ice will be less stable than Lake Ice. • Slotting involves cutting and removing ice blocks at a 30 degree angle to the current. The end of the slot should be wide enough to house an oil skimmer • Slots should be cut with a slight "J" curve to provide current slow toward the shoreline recovery area • Effective barriers can be installed by augering holes next to each other and installing plywood sheets to divert product to a sump area		
Snow can absorb released product. Depending on the moisture content of the snow, it can act as a wick, pulling product away from the release site. Impacted snow can be addressed by techniques including: • Temporary storage in a side dump to reduce or eliminate any leakage from melting snow or product • Stockpiling under a rack so melt water and product drain to a sump • Using a "thawzall" heating system to melt snow stockpiled under a rack or in a side dump.		
Well-compacted snow lined with plastic can be used as a berming material		
Employ standard spill response procedures, including: • Establish incident command • Making proper notifications • Identify and Isolate the source • Monitor weather conditions • Use appropriate PPE • Monitor vapors • Establish site control		

2.1.1 Spill Detection and Mitigation Procedures

See **APPENDIX C.1** 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 2.1-1. Discharge volume calculations are provided in **APPENDIX C.**

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 block 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 and no pressure)	1. Personnel safety is the first priority. Evacuate nonessential personnel or personnel at high risk. 2. Shut down pumps. Close the closest block 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 and **if it can be done safely**. 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 shutting down all engines and motors. 6. Control fire before taking steps to contain spill.

	See also fire/explosion response steps in **SECTION 2.2**.
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
- Dispatch observers to crossings downstream or down gradient to determine the spills maximum reach
- 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
- 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
- Spill surveillance is best accomplished through the use of helicopters or small planes; helicopters are preferred due to their superior visibility and maneuverability
- If fixed-wing planes are to be used, high-wing types provide better visibility than low-wing types
- 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
- 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
- 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

- An Spill Surveillance Checklist is provided in **FIGURE 2.1-3**

FIGURE 2.1-3 - SPILL SURVEILLANCE CHECKLIST

Record your observations of spilled oil either in a notebook or directly on a chart of the area under observation. This checklist is an aid for organizing your observations.

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
- 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
    - 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. 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)
- 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 reduce the surface area and the shoreline to be cleaned
- Concentrate the oil (when safe to do so), making physical recovery more efficient
- 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
- 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 AND/OR EXPLOSION

Your first consideration is always the safety of people in the immediate area, including your own.

The first responder's initial objective is site management.

FIRE AND/OR EXPLOSION CHECKLIST	
TASK	**INITIALS**
At a manned facility	
Evaluate the situation; approach cautiously from upwind; do not rush in	
Warnings, Notifications, and Evacuation: • Alert co-workers or others on-site; use alarm systems • Account for all personnel • Notify local police and fire departments (911), provide detailed information regarding material, product and equipment involved, wind direction • Notify the Qualified Individual and Operations Control	

• Notify the utility companies if on-site utilities, such as gas and electric, may be affected by the fire	
Site Control: • Account for all personnel; use an entry/exit log that includes names, company and time • Prepare evacuation routes and monitor incident for changes requiring evacuation • Keep outside personnel from entering the facility; enlist aid from law enforcement • Establish safety zones • Meet fire personnel at gate; have copy of emergency plans and data on affected tank(s) • Establish a safe media assembly area	
Fire Fighting: • Trained company personnel, firefighters, or fire and hazard control techs may attempt to extinguish the fire if it is in the incipient (early) stage and IF IT CAN BE DONE SAFELY; personnel should be prepared to evacuate if fire is beyond their capabilities to fight • If fire is too large for a Hazmat Tech to fight, the person sounding the alarm or making the phone call to 911 should stand by at a safe distance to direct the fire department and to keep personnel from entering the danger area	
Valves and Controls: • Use emergency stop procedures, if needed • If the fire/explosion is a result of a pipe rupture, isolate product release by closing valves outside of the affected area • If it can be done safely, monitor temperatures of nearby tanks and communicate this information to fire crews and Operations control	
Establish Command: • Establish Incident Command • Establish a Command Post and lines of communication; use radios and cell phones • Provide fire department with contact numbers or facility radio • Appoint a recorder	

Additional Resources:
• Call in additional resources if on scene personnel and equipment are inadequate to handle the emergency
• For tank fires or other large petroleum fires immediately contact
  • Air Monitoring contractors identified in **SECTION 3**
  • Specialty Fire-fighting services identified in **SECTION 3**
  • Oil Spill Removal Organizations (OSROs)	

Conduct a post-emergency evaluation and report	

2.2 FIRE AND/OR EXPLOSION, CONTINUED

Your first consideration is always the safety of people in the immediate area, including your own.

The first responder's initial objective is site management.

FIRE AND/OR EXPLOSION CHECKLIST, CONTINUED	
TASK	**INITIALS**
At an unmanned facility or on the pipeline right of way	
Handle the call	
Warnings and Notifications: • Notify local police and fire departments (911) • Notify the Qualified Individual and Operations Control • Notify the utility companies if on-site utilities, such as gas and electric, may be affected by the fire • Notify railroads or local emergency officials to halt traffic If roads or railroads are in the affected area	
Go to the incident scene to evaluate the situation; approach cautiously from upwind; do not rush in	
Site Control: • Account for all personnel • Prepare evacuation routes and monitor incident for changes requiring evacuation • Keep outside personnel from entering area – enlist aid from law enforcement • Establish safety zones • Meet fire personnel at scene; have copy of emergency plans and data on affected lines	
Valves and Controls: • If the fire/explosion is a result of a pipe rupture, isolate product release by closing valves outside the affected area • Stay in contact with Operations Control to update on valve closings	
Establish Command: • Establish Incident Command • Establish a Command Post and lines of communication -use radios and cell phones • Provide fire department with contact numbers • Appoint a recorder	
Additional Resources:	

• Call in additional resources if on-scene personnel and equipment are inadequate to handle the emergency
• For tank fires or other large petroleum fires immediately contact
  • Air Monitoring contractors identified in **SECTION 3**
  • Specialty Fire-fighting services identified in **SECTION 3**
  • Oil Spill Removal Organizations (OSROs)	

Conduct a post-emergency evaluation and report	

2.3 EVACUATION

EVACUATION CHECKLIST	
TASK	**INITIALS**
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	

2.4 MEDICAL

MEDICAL CHECKLIST	
TASK	**INITIALS**
Summon Emergency Medical Services (EMS) to the scene	
Do not move the patient unless a situation (such as a fire) threatens their life	
If trained, provide first aid until the EMS arrives at the scene	
As the situation warrants, try to stop the bleeding and keep the patient breathing until the EMS arrives at the scene	
The rescuer's role includes: • Removing the patient from any situation threatening their life or the lives of rescuers • Correcting life-threatening problems and immobilizing injured parts	

before transporting the patient • Transporting the patient in a way that minimizes further damage to injured parts • Administering essential life support while the patient is being transported • Observing and protecting the patient until medical staff can take over • Administering care as indicated or instructed	
Crude Oils, Heavy Oils	
Inhalation Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment). Immediately remove personnel to area of fresh air. For respiratory distress, give oxygen, rescue breathing, or administer CPR (cardiopulmonary resuscitation) if necessary. Obtain immediate medical attention. **Eye Contact** Flush eyes with clean, low-pressure water for at least 15 minutes, occasionally lifting the eyelids. If pain or redness persists after flushing, obtain medical attention. **Skin Contact** Immediately remove contaminated clothing. Wash affected skin thoroughly with soap and water. If irritation persists, obtain medical attention. **Ingestion** Do not induce vomiting. Obtain immediate medical attention.	

2.4 MEDICAL, CONTINUDED

MEDICAL CHECKLIST	
TASK	**INITIALS**
Exposure to Petroleum	
Gasoline, Diesel, Denatured Ethanol	
Inhalation: Take precautions to prevent a fire (e.g. remove sources of ignition). Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment). Move victim to fresh air. Seek medical attention if the victim feels unwell. **Eye Contact:** Quickly and gently blot or brush chemical off the face. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes, while holding the eyelid(s) open. If irritation or pain persists, seek medical attention. **Skin Contact:** Quickly take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 15 minutes. Seek medical attention if the victim feels unwell. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. **Ingestion:** Have victim rinse mouth with water. Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Have victim rinse mouth with water again. Immediately seek	

medical attention.	
Butane	
Inhalation: Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment). IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, seek immediate medical attention. **Eye Contact:** First check the victim for contact lenses and remove if present. Flush victim's eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim's eyes without specific instructions from a physician. If symptoms (such as redness or irritation) develop, immediately seek medical attention. **Skin Contact:** CAUTION: Exposure of skin to compressed gases may result in freezing of the skin. Treatment for frostbite may be necessary. Remove the victim from the source of contamination. Immediately wash affected areas gently with cold water (and soap, if necessary) while removing and isolating all contaminated clothing. Dry carefully with clean, soft towels. If symptoms such as inflammation or irritation develop, immediately seek medical attention.	

2.5 TORNADO

TORNADO CHECKLIST	
TASK	**INITIALS**
Use television or radio to monitor news weather reports	
When a tornado warning is issued, sound the local alarm	

Tornado Watch:
• Tornado watch means conditions are favorable for tornadoes
• Monitor television, radio or weather alert radio reports for approaching storms
• Be prepared to take action if the watch is upgraded to a warning
• Pre-Identify facility shelter locations
  • Sturdy building
  • Bottom floor
  • Innermost room with the maximum number of walls between occupants and outside
  • Minimum number of windows
• Watch for danger signs
  • Dark, often greenish clouds
  • Large hail
  • Wall cloud or funnel cloud	

Tornado Warning: • Tornado warning means a tornado has been sighted. A warning may come from emergency officials but may also come from facility	

personnel who site a funnel formation and hear a roar similar to a jet engine • **People in its path should take shelter immediately** • Sound the local alarm • Have location personnel report to a designated shelter area • Consider shutting down operations if it can be done safely • Account for all personnel • Take shelter; under furniture using arms to protect head and neck	
After High Winds or Tornadoes: • Account for all personnel; check for injuries and contact emergency medical assistance, if needed • Evaluate the facility • Use caution when entering damaged buildings • Check for down power lines • Update Operations Control and the Qualified Individual/Supervisor	
Perform other Initial Response Actions functions as indicated in **FIGURE 2-1**	
Conduct post-emergency evaluation and report	

2.6 FLOOD

FLOOD CHECKLIST	
TASK	**INITIALS**
Perform continuous monitoring of the situation by listening to radio and/or television reports. Consider utilizing your local LEPC contacts	
Flood watch means flooding is possible	
Flood warning means flooding is occurring or is imminent	
Update the Qualified Individual/Supervisor, Management, Commercial and Operations Control when flooding is imminent	
Consider preparing a site specific shutdown procedure prior to the actual flooding event and share this information with location personnel. Use a site specific shutdown procedure when flooding is imminent	
Pre-establish an evacuation plan and action levels for executing shutdown and evacuation (**SECTION 2.3**)	
Take preliminary actions to secure the facility before flooding and mandatory evacuation	
Forecast staffing requirements and plan accordingly	
Consider obtaining the following services early in the process to ensure availability: • Sandbags • Portable pumps and hoses • Power generators	

Remove product from underground storage tanks (i.e., sumps and separators, if applicable) and replace with water to prevent them from floating out of the ground	
Keep at least a normal bottom in all above ground tankage, more if possible	
If time allows, consider removing pumps and motors that may be affected by a flood Plug all rack drains and facility drains connected to the sump	
Anchor, move or otherwise protect all bulk additive tanks, fuel barrels, empty drums, and propane tanks (if applicable)	
Monitor locations of 30 day retention samples and gasoline cans	
Remove all vehicles from potential flood area	
Maintain contact with OSROs before and during flooding conditions	
Continually update Qualified Individual/Supervisor, Management, Commercial and Operations Control on facility status	
Back up computer files	
Remove or move to higher elevation assets such as files, computers, and spare parts	
Communicate potential for shutting off high voltage power and natural gas lines to energy providers	
Close all valves on product and additive storage tanks	
Before evacuation, know where all the employees or contractors will be residing and obtain phone numbers so they can be contacted if additional emergencies occur	
Conduct a post-emergency evacuation and report	
Maintain hazards awareness: • Structural damage • Downed power lines • Leaking natural gas, water, and sewer lines • Poisonous snakes and other wildlife sheltering in structures, vehicles, and furniture • Avoid direct contact with flood water, mud, and animal carcasses	

2.7 ICE/SNOW STORM

ICE/SNOW STORM CHECKLIST	
TASK	**INITIALS**
Monitor news and weather reports on television or the radio	
Alert co-workers or others on-site that severe weather is approaching	
Be aware of the dangers posed by ice and snow falling from equipment	
Be aware of product release danger posed by ice falling on exposed piping	

Monitor ice and snow accumulation on tanks	
Obtain snow or ice removal equipment	
Obtain generators, if necessary to re-power facilities	
Use cold weather response techniques when responding to product spills as released product may flow under ice or snow	
Establish and maintain communication with personnel in remote areas	
Ensure that vehicles have a full tank of gas and are functioning (heater, windshield wipers, etc.)	
Consider limiting vehicle traffic	
Obtain fresh water supplies	
Notify the supervisor/Qualified individual and Operations Control if the facility loses power or is otherwise unable to operate	

2.8 BOMB THREAT

(b) (7)(F)

[redacted]

(b) (7)(F)

[redacted]

2.9 HYDROGEN SULFIDE (H_2S) RELEASE

One of the most toxic substances in crude oil transportation is hydrogen sulfide gas.

All crude oils contain some concentration of hydrogen sulfide (H_2S). Basically, crude oils are classified as either a sweet crude or sour crude, depending on the percent (by weight) concentration of sulfur contained within that specific type of crude.

Sweet crude containing sulfur in solution may not present an H_2S hazard, but H_2S analysis must be conducted to be sure.

- Sweet Crude - 0 to 0.50% sulfur (by weight)
- Sour Crude - over 0.50% sulfur (by weight)

Hydrogen sulfide is an extremely dangerous gas that may cause fatalities. It is colorless, may have a distinct rotten egg odor, is heavier than air, is soluble in fresh and salt water, and is highly flammable.

The key to handling sour crude safely is being knowledgeable of:

- established safety procedures to be followed,
- the hazards of H_2S and where they can be encountered in the work place, and
- the proper use and maintenance of H_2S monitoring and personal protective equipment.

H_2S can be in either a gas (air) or liquid (oil) state. H_2S levels can be higher in the air than in the oil from which it came. H_2S can be multiple levels higher in small vapor spaces or other confined areas.

2.9.1 General Requirements

- Employees will be aware of Hydrogen Sulfide and/or potential Hydrogen Sulfide work areas.
- Employees will monitor known and/or potential H_2S work areas with the appropriate atmospheric monitoring equipment and observe all warnings signs and wind indicators.

- All atmospheric monitoring equipment will be calibrated as identified in SIP and any problems with the equipment reported to the immediate Supervisor for repair/replacement.

Potential effects of H_2S are listed in **FIGURE 2.9-1**. The levels at which these effects occur are guidelines and may be experienced at lower levels during certain health conditions (i.e. such as when you have a cold, allergies, or are taking medication).

Questions regarding H_2S exposure shall be communicated to the Safety Representative and/or the HSE Manager's representative the operations Supervisor in charge.

FIGURE 2.9-1 - HYDROGEN SULFIDE EFFECTS

LEVEL	EFFECTS
1 ppm	Rotten egg odor detectable.
10 ppm	OSHA, PEL Limit (8-hour) May experience eye and/or throat irritation.
15 ppm	OSHA, STEL Limit (15-minute) May experience eye and/or throat irritation.
100 ppm	Sense of smell loss in seconds; increased eye/throat irritation.
300 ppm	OSHA, IDLH Limit (Immediately Dangerous) Sense of smell loss; severe eye/throat irritation; headache, dizziness or nausea may occur.
>500 ppm	Rapid unconsciousness and respiratory paralysis; death can occur within minutes unless rescued promptly and given CPR.

FIGURE 2.9-2 - HYDROGEN SULFIDE INITIAL RESPONSE ACTION CHECKLIST

ACTION
1. Keep people away. Avoid contact with gas.
2. Shut off ignition sources and call the fire department.
3. Evacuate area in case of large discharges.
4. Stay upwind.
5. Notify local health and pollution control agencies.
If there is fire:
Flashback along vapor trail may occur and may explode if ignited in an enclosed area.
1. Stop flow if possible.
2. Cool exposed containers and personnel effecting shutoff with water.

If there is exposure:
1. Call for medical aid. Vapor is poisonous if inhaled. It is also irritating to eyes.
2. If breathing has stopped, give artificial respiration.
3. If in EYES, hold eyelids open and flush with plenty of water.
If there is water pollution:
1. Protect water intakes and notify operators.
2. Notify local health and wildlife officials. H_2S is harmful to aquatic life in very low concentrations.

Source: Chemical Hazards Response Information System (CHRIS) Hazardous Chemical Data Manual, U.S. Department of Transportation, United States Coast Guard, 1998

2.9.2 Personal Respiratory Protection

Company Safety Standard "Respiratory Protection" in the SIP defines selection, wearing, maintenance and inspection of respirators. Self Contained Breathing Apparatus (SCBA) is the only approved respiratory protective equipment that can be used when working in a H_2S contaminated environment.

2.10 FLAMMABLE VAPOR CLOUD/HIGHLY VOLATILE LIQUID (HVL) RELEASE

FIGURE 2.10-1 - FLAMMABLE VAPOR CLOUD/HIGHLY VOLATILE LIQUID (HVL) RELEASE RESPONSE ACTION CHECKLIST

SPECIFIC RESPONSE ACTIONS	COMMENTS
Alert all personnel as soon as possible after discovering that an HVL leak has occurred, or that a flammable or otherwise hazardous vapor cloud is present.	
Assess wind direction and vapor cloud movement. **STAY UP WIND, UP HILL, AND UP STREAM OF THE VAPOR CLOUD AND THE SOURCE.** Be aware of possible weather changes that could affect cloud movement.	
Eliminate possible sources of ignition in the vicinity of the incident.	
Isolate the Hazard Area and deny entry - direct all persons to move in a crosswind direction away from the release to the distance specified below; then, consider protective actions (such as evacuation) within the specified distance downwind of the spill. Refer to the Emergency Response Guidebook for additional information regarding public safety.	

Material	ERG Guide #	First Isolate The Hazard Area	Then Protect Downwind
Ammonia	125	330 feet (100 m) radius	1.0 Mile (1.6 km)
Propane, Butane and other NGL	115	330 feet (100 m) radius	0.5 Mile (800 m)

Source: ERG 2004, pg 178 &198	
Positive pressure self-contained breathing apparatus (SCBA) is required if emergency response team members are entering the Hazard Area.	
Rescue should be performed from an uphill and upwind location if possible.	
Request medical assistance if an injury has occurred.	
Restrict access to the incident scene and surrounding area as the situation demands. Take any other steps necessary to minimize any threat to health and safety. The location of the restricted area should be communicated to all impacted personnel operating on the site.	
Verify the type of product and quantity released, and request/obtain Material Safety Data Sheets as necessary.	
Identify/ isolate the source and minimize the loss of product.	
Restrict access to the emergency site to authorized essential personnel	
Determine the concentrations of toxic or flammable gases present using both fixed monitors (if available) and portable intrinsically safe instruments.	
Assure that site emergency workers are using the proper protective equipment and clothing equal to the hazards present. **Do not place workers in an unsafe emergency repair situation.**	
Coordinate your emergency plans with all support personnel. Make sure that they are aware of the special hazards involved with a toxic/flammable vapor cloud, and that they understand where the Hot zone (exclusion zone), Warm zone (contamination reduction zone), and Cold Zones (support zone) are located.	

FIGURE 2.10-1 - FLAMMABLE VAPOR CLOUD/HIGHLY VOLATILE LIQUID (HVL) RELEASE RESPONSE ACTION CHECKLIST, CONTINUED

SPECIFIC RESPONSE ACTIONS	COMMENTS
Determine whether the incident should be handled offensively, defensively, or by non-intervention. Remember that offensive tactics increase the risks to emergency responders.	
If volatile liquid leaks originate from an outdoor continuous source such as a piping system, storage vessel, or tank truck , initiate offensive tactics which will reduce or stop the leakage if it can be accomplished without undue risk. Options which should be considered include: 1. Isolating the leak by closing in valves above and below the leak. 2. Reducing line pressures by partially closing valves or shutting down pumps. 3. Plug or patch leaks using appropriate leak control devices. 4. Transfer the product from the leaking container to a compatible non-leaking container.	

2.11 EARTHQUAKE CHECKLIST

SPECIFIC RESPONSE ACTIONS	COMMENTS
Operations Control will follow their own procedures.	
Inside a building:	
Do not attempt to leave the building. You are much safer inside the building until the shaking stops.	
Move away from windows, tall fire cabinets, and other things that could fall on or crush you.	
Do not try to stand in the doorway. Doors are heavy and can cause damage when they swing during an earthquake.	
Drop to the floor, find cover and hold on. Shelter yourself by getting under a table or desk.	
Protect yourself by putting your head as close to your lap as possible, or kneel down and protect your head.	
Remain calm. Major earthquakes generally last less than 60 seconds.	
Outside a building:	
Seek protection away from buildings. Falling glass, power lines, trees and debris can be very hazardous.	
Drop to the ground and stay there until the shaking stops	
After an Earthquake:	
Wait in your safe place until the shaking stops, then check for injuries and account for all employees	
Move carefully and watch out for hazards and debris	
Be prepared for aftershocks.	
Exit and stay out of damaged buildings. Damaged buildings may be destroyed during an aftershock.	
Be aware of the potential for fires. Broken fuel lines, gas lines and damaged electrical lines can create fire hazards. Damaged hot water heaters can be the source of potential fires.	
Once it is safe to do so, contact Supervisory personnel and the Operations Control Center to advise them of your location and report the earthquake.	
Conduct a thorough facility assessment. Take appropriate actions if necessary as outlined in Spill Response (**SECTION 2.1**), Fire (**SECTION 2.2**) Medical (**SECTION 2.4**) and Evacuation (**SECTION 2.3**).	

2.12 AIR MONITORING CHECKLIST

Air Monitoring Checklist - Facility and Right of Way	

TASK	INITIALS
Use of Monitor • Follow manufacturer?s procedure and SIP for testing and operating an electric air monitor. • Sustained readings are those readings sustained for over 1 minute of continuous instrument operation.	
Facility Air Monitoring	

Initial Monitoring of Release Site
 	
• WARNING: Do not enter hot zone without proper PPE. Use the air monitor and this checklist to establish the hot (hazardous) and cold (safe) zones.
• Do not enter IDLH atmospheres
• Head towards the release site from upwind. Identify alternate routes of escape and any potential ignition sources such as motor vehicles.
• Continually monitor as nearing release site.
• Establish working parameters. Action levels for specific substances are:
  • Benzene - 1 ppm
  • H2S - 10 ppm
  • NH3 - 25 ppm
  • VOC - 25 ppm
  • LEL - 10%
• Once the zones are properly identified,
  • Evacuate personnel within hot zone that are without proper PPE.
  • Keep unauthorized personnel away from the area.
  • Clearly mark hot zone boundaries with physical barrier ? e.g. barrier tape, snow fence, signs, ropes, etc.
  • Recheck zones within the first hour to determine if levels require redefining zones and need for air monitoring program.
• If vapors are above action levels or threaten to be above action levels (wind is pushing vapors) in occupied areas such as offices, buildings, truck rack or outside the facility perimeter.
  • Evacuate affected areas or use proper PPE as appropriate.
  • Establish facility perimeter monitoring to ensure vapors are not migrating outside the facility.
• If readings continue for greater than 1 hour
  • Establish an air monitoring program in accordance with this checklist and review with Safety Specialist.
  • Work with Emergency Agencies to establish action levels for readings outside the facility perimeter.	

Facility Perimeter Monitoring
 	
• If sustained readings are obtained at the perimeter fenceline.
  • Conduct air monitoring downwind until sustained non-detect readings are obtained
  • Document the value and location of sustained non-detect readings.
• If readings are detected at nearby roadways
  • LEL - 10% or greater
  • H2S - 5 ppm	

• NH3 - 12 ppm • Request Fire Department response and discuss readings with Emergency Responders who will decide if they need to close roads. • NOTE: Different monitoring parameters are appropriate at roadways given the momentary presence of passing vehicles.	

2.12 AIR MONITORING CHECKLIST, CONTINUED

Air Monitoring Checklist - Facility and Right of Way	
TASK	**INITIALS**
Facility Air Monitoring, Continued	

• If readings are detected in nearby communities (residential, commercial, or retail)
  • LEL - 10%
  • Benzene - 1 ppm
  • H2S - 1 ppm
  • NH3 - 2 ppm
  • Request Fire Department response and discuss readings with Emergency Responders.
• If readings are anticipated to continue for greater than 1 hour
  • Contact local air monitoring contractor or spill contractor with air monitoring capabilities.
  • Establish an air monitoring program in accordance with this checklist and review with Safety Specialist
  • Work with Emergency Agencies to establish action levels for readings
• If readings are anticipated to continue greater than 1 day
  • Contact local and national air monitoring contractor ? (Note: national air monitoring contractor has a 6 hour response time).
  • Use local air monitoring contractor until national air monitoring contractor arrives.
  • Establish an air monitoring program in accordance with this checklist.
  • Provide data to Emergency Agencies to establish action levels for readings.
• Continue air monitoring program until no sustained readings are detected outside the perimeter.	

Pipeline Corridor & Right-of-Way Air Monitoring	
Initial Monitoring of Release Site • WARNING: Do not enter hot zone without proper PPE. Use the air monitor and this checklist to establish the hot (hazardous) and cold (safe) zones. • Do not enter IDLH atmospheres • Head towards the release site from upwind. Identify alternate routes of escape and any potential ignition sources such as motor vehicles.	

• Continually monitor as nearing release site from upwind
• Establish zones and working parameters. Action levels for specific substances are:
  • Benzene - 1ppm
  • H2S - 10ppm
  • NH3 - 25ppm
  • VOC - 25ppm
  • LEL - 10%
• Once the zones are properly identified, evacuate persons within hot zone that are without proper PPE.
• If sustained readings are obtained at the edge of right?of-way
  • Conduct air monitoring downwind until sustained non-detect readings are obtained.
• If readings are detected at nearby roadways
  • LEL - 10% or greater
  • H2S - 5ppm
  • NH3 - 12 ppm
  • Request Fire Department response and discuss readings with Emergency Responders who will decide if they need to close roads.
  • NOTE: Different monitoring parameters are appropriate at roadways given the momentary presence of passing vehicles.
• If readings are detected in nearby communities
  • LEL - 10%
  • Benzene - 1ppm
  • H2S - 1ppm
  • NH3 - 2ppm
  • Request Fire Department/Health Department response and discuss readings with Emergency responders who will decide on best response technique.	

2.12 AIR MONITORING CHECKLIST, CONTINUED

Air Monitoring Checklist - Facility and Right of Way	
TASK	**INITIALS**
Pipeline Corridor & Right-of-Way Air Monitoring, Continued	

• Recheck zones within the first hour to determine if levels require redefining zones and need for air monitoring program.
• If readings are anticipated to continue for greater than 1 hour.
  • Contact local air monitoring contractor or spill contractor with air monitoring capabilities.
  • Establish an air monitoring program and review with Safety Specialist.
  • Work with Emergency Agencies to establish action levels for readings.
• If readings are anticipated to continue greater than 1 day
  • Contact local and national air monitoring contractor ? (Note: national air monitoring contractor has a 6 hour response time).	

• Use local air monitoring contractor until national air monitoring contractor arrives. • Establish an air monitoring program. • Provide data to Emergency Agencies to establish action levels for readings. • Continue air monitoring program until no sustained readings are detected outside the right of way.	
Tank Fires	
Tank Fires • Immediately establish air monitoring program. • Immediately contact local and national air monitoring contractors. • Establish community and worker safety air monitoring programs.	
Air Monitoring and National Contractors	

Air Monitoring Program
 	
• Use local personnel unless additional resources are required.
• Use tested monitors.
• Test storm sewers and sanitary sewers (either within the facility or along the right-of-way) that may be affected, upwind, downwind, uphill and downhill of release site.
  • Use marking paint on sewer covers, track manhole covers and readings on map.
• Identify ignition sources and monitor.
• Have contractor assume monitoring function upon arrival.
• Documentation provided to Safety Officer or Incident Commander:
  • Name of personnel conducting monitoring,
  • Description or name of air monitoring instrument,
  • Location of all readings,
  • Time stamp of all readings, and
  • All readings shown or indicated (regardless of value) on air monitor.
• Incident Commander shall provide air monitoring data to Emergency Agencies in order to establish action levels for readings.	

National Contractor Capabilities • Community air monitoring • Worker safety air monitoring • 6-hour response time • Initial team of 6-7 responders • Remote weather station • Wireless air monitoring • GPS linked air readings • Real time plume modeling	

SECTION 3 Last revised: March 25, 2014

NOTIFICATIONS / TELEPHONE NUMBERS

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3.1 Emergency Information and Notification Procedures

Figure 3.1-1 - Emergency Notification Flowchart

Figure 3.1-2 - Release / Spill Report Form

Figure 3.1-3 - Notifications and Telephone Numbers

3.1 EMERGENCY INFORMATION AND NOTIFICATION PROCEDURES

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 and then will make the following notifications as appropriate. The order of notifications can be dependent on the event:
    - QI
    - Operations Control Center
    - 911
    - Magellan Spill Reporting
- The Qualified Individual will assume or assign the role of Incident Commander, and will conduct notifications of response contractors, spill management team members and other company personnel. The priority of actions and response procedures will depend upon actual circumstances and will be determined by the Incident Commander.
- During an Operations Control Center Initiated Event, the Controller will assume the role of Incident Commander until the time the responsibility is transferred to Field Operations.

  Note: NRC reporting must be made at the earliest practical moment following an NRC reportable event, which includes any failure that resulted in pollution of any stream, river, lake, reservoir or similar body of water that violated applicable water quality standards.

This section also contains the following:

- FIGURE 3.1-2 provides a Release/Spill Report Form. This form is utilized for initial and follow-up notifications. Follow-up notifications are the responsibility of the Liaison Officer.
- FIGURE 3.1-3 provides a notification summary and documentation form to assist in documenting notifications.

FIGURE 3.1-1 - EMERGENCY NOTIFICATION FLOWCHART

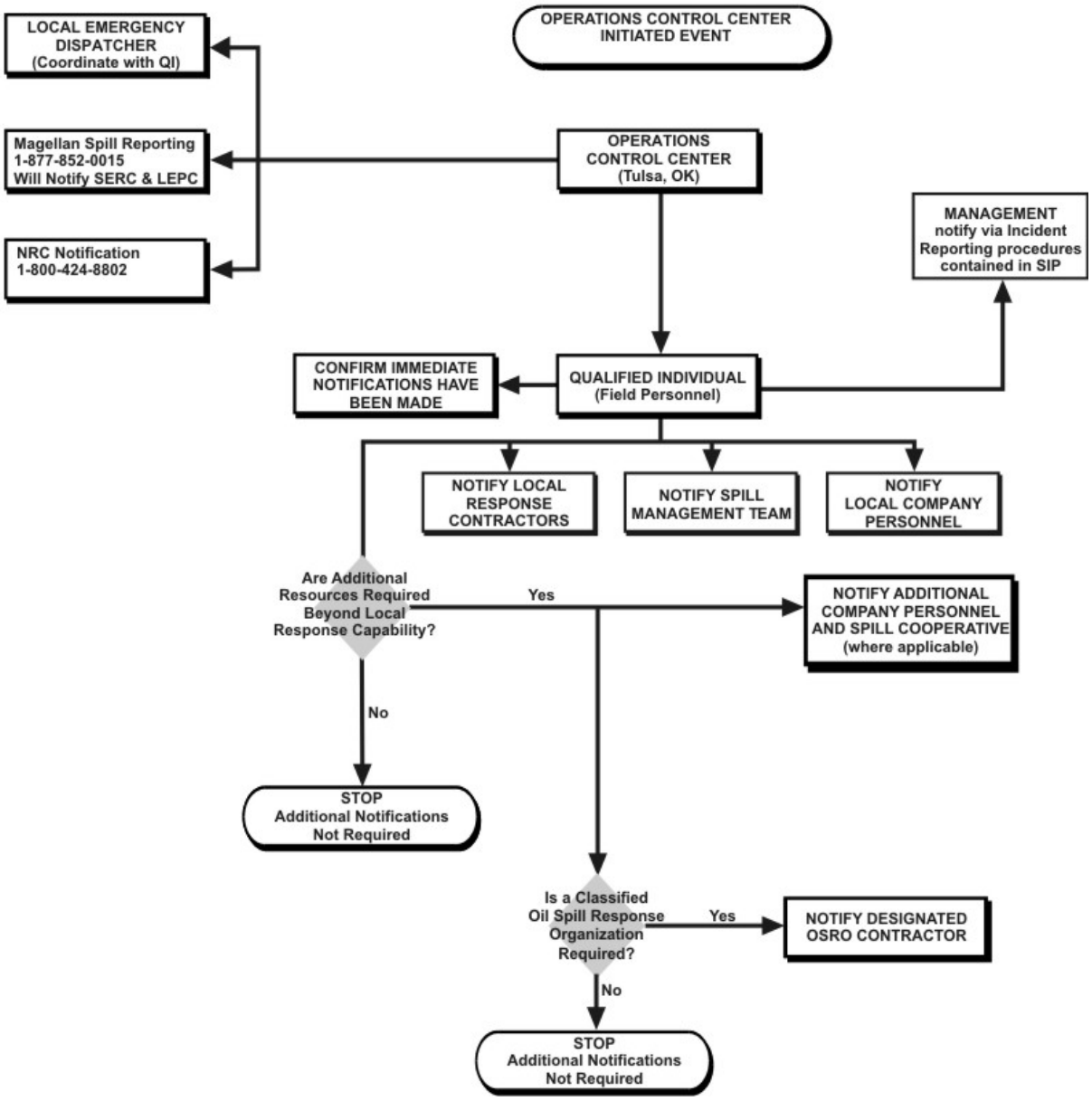

FIGURE 3.1-1 - EMERGENCY NOTIFICATION FLOWCHART, CONTINUED

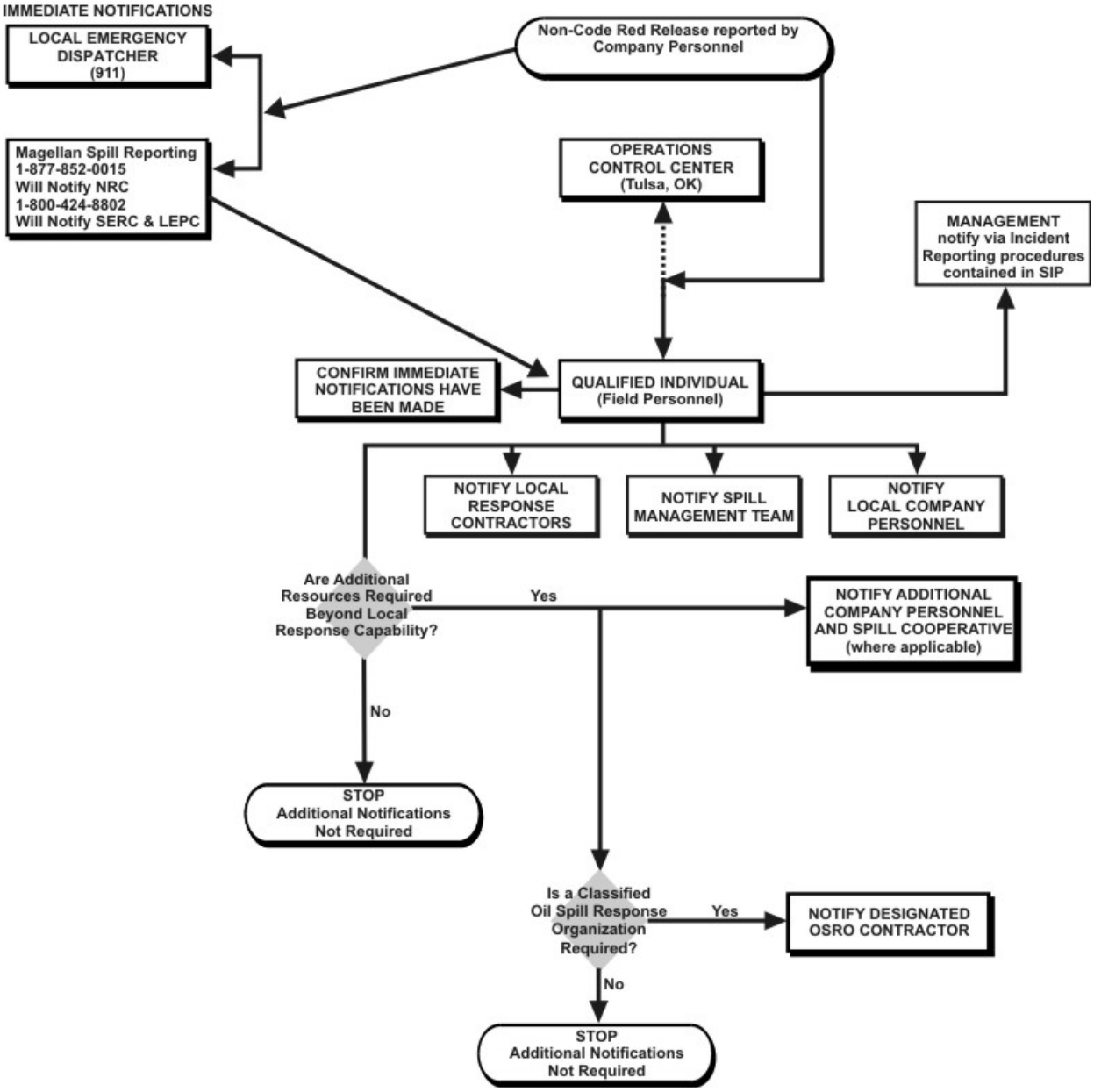

FIGURE 3.1-2 - RELEASE / SPILL REPORT FORM

Call Magellan Spill Reporting at 1-877-852-0015 to report all releases (suspected or confirmed)			
Is this a drill:		Type of Drill:	
Reporter's Name:		Report Time:	
Reporter's Company:		Job Title:	
Company address:			
Phone Number:			
Date Release Occurred:			
Month		Day	
Year		State	

Material:		**Estimated Released**	0	(gallons)
CHRIS Code		**Estimated Discharge to Water**	0	(gallons)
		Estimated Free Liquids Recovered	0	(gallons)
*Released to:		**Estimated Amount Recovered Soil**	0	(gallons)
		Estimated Total Amount Recovered	0	(gallons)
Define Other:		**Estimated Amount Not Recovered**	0	(gallons)

Note: *For a release to be contained inside of a "dike" it must be a permanent dike designed specifically to contain releases.

Was maintenance being performed at the time of the incident? Intentional Blowdown?

Release Reportable? Waterway Affected? Waterway Name:

AGENCY NOTIFICATIONS							
It is not necessary to wait for all information before calling NRC. National Response Center? 1-800-424-8802 or direct telephone: 202?267?2675.							
Report	Date	Number	Time	Name	Title	City	State
NRC ☐							
SERC ☐							
	Was a written report requested?			Time Frame	Days		
TNRCC ☐							
	If a written report is requested, do not provide it. Contact Environmental Specialist.						
LEPC ☐							
Other ☐							

Facility Name Release Occurred: Facility Type:

Facility Capacity: Tank Capacity:

Did release occur on loading rack or non-breakout tank/piping? If yes, Ignore Pipeline Information

AND/OR

Pipeline Name Release Occurred:

Pipeline Interstate Asset?

Incident Description: (Include details of container type, and facility and container volumes in gallons, and the distance and direction from the nearest city in miles and degrees)

Response Actions:

Impact: (Include description of the medium affected and any relevant additional information; and in addition, provide the details of any evacuations, including the number of persons evacuated)

FIGURE 3.1-2 - RELEASE / SPILL REPORT FORM - CONTINUED

Call Magellan Spill Reporting at 1-877-852-0015 to report all releases (suspected or confirmed)

Release Discovered by: Discover Time:

Release Verified: Verification Time: Release Stop Time:

BU: District: Area:

Area Supervisor: Asset Integrity Contact: (COM/Maint Supervisor)

Address of Release: City:

Distrance from Nearest City: County: Zip Code:

Caller's E-mail Address: Provide spelling of e-mail address.

Suspected Responsible Party (if other than Magellan) Address

Pipeline Address:

Section Township Range Milepost Tract #

Latitude Longitude

Engineering Stationing Number:

Origin of Release:

Cause (pre-investigation) Check all that apply:

- ☐ Third Party Damage
- ☐ Internal Corrosion
- ☐ External Corrosion
- ☐ Natural Forces
- ☐ Human Error - Contractor
- ☐ Human Error - Company Personnel
- ☐ Human Error - Driver
- ☐ Pipe or Weld Failure - Other
- ☐ Equipment Failure
- ☐ Unknown
- ☐ Other

than Corrosion

Temp [ ] Relative Humidity [ ] Precipitation: [ ]

Cloud Cover [ ] Wind Speed [ ] Wind Direction: [ ]

Injury [ ] Fire [ ] Fatality [ ] Explosion [ ] Unconsciousness [ ]

Injury Requiring Hospitalization? [ ] Significant News Coverage: [ ]

Incident Classification: [ ] Loss/Damage Estimate: [ ]

Loss and damage estimate should include all costs associated with clean-up (maintenance, cleanup, product loss).

Environmental Contact for release: [ ]

Safety Contact for this release: [ ]

Form completed by: [ ] Completion Date: [ ]

Latest revision date for form *04/03/11*

Replaces previous revision date *06/16/08*

Magellan Midstream Partners, L.P.
One Williams Center, P.O. Box 3102
Tulsa, OK 74172

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS

*24 Hour Number

AFFILIATION	PHONE NUMBER	**TIME CONTACTED**
A. COMPANY PERSONNEL		
Edward Fuchs Mgr Operations II	713/475-4301 (Office) (b) (6) [redacted] 713/263-4369 (Mobile)	
Tommy Adams Supv Area	432/638-4568 (Office) (b) (6) [redacted] 432/638-4568 (Mobile)	
Gene Baker Coord Ops & Maintenance	432/558-7832 (Office) (b) (6) [redacted]	

	432/940-7227 (Mobile)	
Charles Bishop Supv Operations II	817/441-8298 (Office) (b) (6) [redacted] 903/654-8878 (Mobile)	
Rick Bondy Supv Environmental	918/574-7363 (Office) (b) (6) [redacted] 918/629-8207 (Mobile)	
Erin Brantley Supv Operations II	713/475-4303 (Office) (b) (6) [redacted] 713/294-0150 (Mobile)	
Alan Cosby Supv Operations II	325/267-5984 (Office) (b) (6) [redacted] 325/267-5984 (Mobile) (302) 655-3209 (fax) (Pager)	
Troy Culbertson Supv Operations II	214/688-1770 (Office) (b) (6) [redacted] 214/399-1566 (Mobile)	
John Deaton Supv Operations II	713/475-4302 (Office) (b) (6) [redacted] 281/813-8155 (Mobile)	
Rusty Holman Supv Area	832/325-5403 (Office) (b) (6) [redacted] 713/825-5873 (Mobile) (713) 825-5873 (Pager)	
Jim Johnson Supv Area	979/279-6819 (Office) (b) (6) [redacted] 979/324-4702 (Mobile)	
Roy Johnston Supv Area	903/563-5224 (Office) (b) (6) [redacted] 903/563-5224 (Mobile)	

Bruce LePage Supv Operations II	432/335-7607 (Office) (b) (6) [redacted] 432/923-1477 (Mobile)	

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

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS

*24 Hour Number

AFFILIATION	PHONE NUMBER	**TIME CONTACTED**
A. COMPANY PERSONNEL		
Mickey Montes Supv Operations II	915/774-8766 (Office) (b) (6) [redacted]	
Steven Moyer Environmental Specialist Sr	918/574-7040 (Office) (b) (6) [redacted] 918/200-5925 (Mobile)	
Phil Simpson Mgr Operations I	903/682-3216 (Office) (b) (6) [redacted] 972/935-4108 (Mobile)	
Roy Van Tine Supv Operations II	915/849-1783 (Office) (b) (6) [redacted] 915/217-6309 (Mobile)	
Helen Walden Supv Operations II	903/682-3216 (Office) (b) (6) [redacted] 972/369-9820 (Mobile)	
Cole Ballard Supv Area	915/849-1783 (Office) (b) (6) [redacted] 512/468-8048 (Mobile)	
Mike Blankendaal Supv Area	432/335-7684 (Office) 432/528-5468 (Mobile)	
Dennis Crawford Safety Specialist	918/574-7419 (Office) (b) (6) [redacted]	

	918/237-9981 (Mobile)	
Dwayne Greaser Terminal Operator Lead	505/242-3310 (Office) (b) (6) [redacted] 505/238-0136 (Mobile)	
Lee Hughes Operator Sr	940/781-7598 (Office) (b) (6) [redacted]	
Greg Peck Safety Specialist	918/574-7719 (Office) 913/972-1123 (Mobile)	
Bruce Heine Dir Government & Media Affairs	918/574-7010 (Office) (b) (6) [redacted] 918/645-8989 (Mobile)	

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

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Initial		
3E (MSDS only)	1-800-451-8346	
Magellan Release Reporting System	(877) 852-0015*	
National Response Center (NRC)	(800) 424-8802* (202) 267-2675*	
Recommended		
State Agencies - New Mexico		
County		
Department of Public Safety - Emergency Management	505-476-9620	
New Mexico Environment Department Spill Response Team	(505) 827-9329	
County Agencies - New Mexico		
Bernalillo County		

Bernalillo County LEPC Albuquerque	505-750-7681	
Albuquerque PSAP - Fire and EMS	505-833-7397	
Isleta Pueblo Police and Fire Dispatch	505-869-3030	
Bernalillo County PSAP Unincorporated areas outside of Albequerque	505-366-0120* 505-798-7000 (non-emergency)	
Dona Ana County		
Dona Ana County LEPC/ Office of Emergency Management Las Cruces	575-647-7900 (575) 647-7928	
Mesilla Valley Regional Dispatch Las Cruces	575-526-0795x6	
Sierra County		
Sierra County LEPC/ Emergency Management Truth or Consequences	575-743-0451	
Sierra County Regional Dispatch Truth or Consequences	575-894-6617	
Socorro County		
Socorro County LEPC 913 Sunset Drive NW Socorro	575-835-2029	
Socorro County PSAP 200 Church Street Socorro	575-835-4222	
Valencia County		
Valencia County LEPC/ Emergency Nanagement Los Lunas	505-866-2043	
Valencia County PSAP 444 Luna Avenue Los Lunas	505.866.2460	
Federal Agencies		
American Red Cross - Disaster Operations Center (Optional notification for assistance with relocation, disaster relief, etc)	(202) 303-5555*	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
Environmental Protection Agency, Region VI 24-hr Hotline	(866) 372-7745	
County Agencies - Oklahoma		
Jefferson County		
Waurika Fire Department	(580) 228-2323	
Jefferson Co. LEPC	(580) 228-2375	
Jefferson Co. Sheriff Department	(580) 228-2375	
Waurika Police Department	(580) 228-2324	
Stephens County		
Stephens Co. LEPC	(580) 255-3411	
Stephens Co. Sheriff Department	(580) 255-3131*	
State Agencies - Texas		
Texas Commission on Environmental Quality	(512) 239-1000 (Main Switchboard) (888) 777-3186 (806) 353-9251	
Texas General Land Office (TGLO)	(512) 475-1575 (281) 470-6597 (800) 832-8224	
Texas Railroad Commission (TRRC) Pipeline Safety Section Austin, TX / Midland, TX	(512) 463-6788 (432) 570-5884 (806) 665-1653	
County Agencies - Texas		
Bosque County		
Meridian Vol Fire Department	(254) 435-2300	
Bosque Co. LEPC	(254) 435-2807 254-386-2221	
Bosque Co. Sheriff Department	(254) 435-2363	
Meridian Police Department	(254) 435-2255	

Brazos County		
Brazos County Sheriff 911 Dispatch Center County Police, fire, ambulance	979-361-3888	
Brown County		
Brown County Sheriff 911 Dispatch Center Police Fire Ambulance	325-646-5510	
Callahan County		
Callahan Co. LEPC	(325) 854-1155	
Callahan Co. Sheriff Department Dispatches for Clyde Police and Fire	(325) 854-1444	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
Clay County		
Henrietta Fire Department	(940) 538-4343	
Clay Co. LEPC	(940) 538-5611, Ext. 241	
Clay Co. Sheriff Department	(940) 538-5611	
Comanche County		
Comanche Fire Department	(325) 356-2112 325-356-2222	
Comanche Co. LEPC	325-356-5805	
Comanche Co. Sheriff Department	(325) 356-7533	
Comanche Police Department	(325) 356-3074	
Coryell County		
Coryell County Sheriff 911 Dispatch Center Police Fire Ambulanc	254-865-7201 press 0	

Culberson County		
Culberson Co. LEPC	(432) 284-1005	
Culberson Co. Sheriff Department	(432) 283-2060	
Dallas County		
American Red Cross-Dallas County	(214) 678-4800	
Charlton Methodist Hospital (Cedar Hill, Desoto and Duncanville, TX)	(214) 947-0999	
Duncanville Ambulance	(972) 223-6111	
St. Paul Medical Center	(214) 648-3111	
Cedar Hill Fire Department	972-223-6111	
Desoto Fire Department	(972) 230-9680	
Duncanville Fire Department	972-780-4922	
Dallas Co. LEPC	(214) 920-5990	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
Dallas County		
Cedar Hill Police Department	972-223-6111 (972) 291-5181	
Dallas Co. Sheriff Department	(214) 653-3450 (non-emergency) (214) 653-2770 911	
Desoto Police Department	(469) 658-3000	
Duncanville Police Department	(972) 780-5038	

Eastland County		
American Red Cross-Abilene Area	325-677-2622	
Eastland County Hospital	(254) 629-2601	
Eastland Co. LEPC	(254) 629-1263	
Eastland Co. Sheriff Department	(254) 629-1728	
Ector County		
American Red Cross-Permian Basin	(432) 563-2267	
Odessa Ambulance	(432) 257-0503	
Odessa Internal Medicine Association	(432) 337-5411	
Odessa Medical Center Hospital	(432) 640-4000	
Odessa Fire Chief	(432) 257-0508	
Odessa Fire Department	(432) 335-4660 (432) 335-4650	
Ector Co. LEPC	(432) 335-3318*	
Willbros Construction	(432) 550-8210	
Ector Co. Highway Patrol	432-363-7400	
Ector Co. Sheriff Department	(432) 335-3050	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
El Paso County		
American Red Cross-El Paso County	(915) 592-0208	

Columbia Medical Center, El Paso	(915) 595-9000	
Life Ambulance	(915) 779-2160 (non-emergency)	
Sierra Medical Center, El Paso	(915) 747-2660	
El Paso Fire Department	(915) 832-4432 (non-emergency)	
El Paso Co. LEPC	915-775-7320	
El Paso Co. Sheriff Department	(915) 832-4407	
El Paso Highway Patrol	(915) 849-4081	
El Paso Police Department	(915) 564-6900 (915) 832-4400	
Ellis County		
American Red Cross-Ellis County	(214) 678-4800	
Baylor Medical Center (Waxahaxie, TX)	(972) 923-7000 (972) 923-7070	
Maypearl (Waxahaxie) Ambulance	(972) 936-6060 (emergency) (972) 825-4901 (non-emergency)	
Midlothian Ambulance	(972) 775-3333	
Maypearl (Waxahaxie) Fire Department	(972) 937-6060 (emergency)	
Midlothian Fire Department	(972) 775-3333	
Ellis Co. LEPC	(972) 825-5199	
Midlothian City Hall	(972) 775-3481	
Ellis Co. Sheriff Department	(972) 936-6060 (emergency) (972) 825-4901 (non-emergency)	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
Ellis County		
Midlothian Police Department	(972) 775-3333	
Erath County		
American Red Cross-Erath County	(254) 776-8362 (940) 322-8686	
Comanche County Medical Center	(254) 893-2011	
Harris Methodist Hospital-Erath County	(254) 965-3115, ext. 588 (ER)	
Stephenville Hospital	(254) 965-1588 254-965-1500	
Erath Co. Fire Department/ Ambulance	254-965-3388	
Hico Rural Fire Department	(254) 796-4200	
Erath Co. LEPC	(254) 965-1452	
Erath Co. Highway Patrol	(254) 965-5928	
Erath Co. Sheriff Department	(254) 965-3318	
Hico Sheriff Department	(254) 796-4200	
Stevenville Police Department	(254) 918-1273	
Falls County		
American Red Cross-Falls County	(254) 776-8362	
Falls Community Hospital	(254) 803-3561	
Marlin Ambulance	(254) 883-3443	

Falls Co. Fire Department	(254) 883-1454	
Marlin Fire Department	(254) 883-9255 (emergency)	
Falls Co. LEPC	(254) 883-1454	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
Falls County		
Falls Co. Sheriff Department	(254) 883-1432	
Marlin Police Department	(254) 883-9255 (emergency)	
Fisher County		
Fisher County Sheriff 911 Dispatch Center Police Fire Ambulance	325-776-2273	
Franklin County		
East Texas Medical Center	903-537-8000	
ETMC EMS	903-597-2011	
Mt. Vernon Fire Dept.	903-537-4539	
Franklin County LEPC	903-537-4539	
Franklin County Sheriff's Dept.	903-537-4539	
Mt. Vernon Police Dept.	903-537-4539	
Texas highway Patrol	903-537-2354	
Freestone County		
American Red Cross-Heart of Texas	254-523-4985	

Freestone Co. Fire Department	(903) 389-6187	
Freestone Co. LEPC	(903) 389-3236	
Fairfield Police Department	(903) 389-3901 (non-emergency)	
Freestone Co. Sheriff Department	(903) 389-3236	
Teague Police Department	(254) 739-2553 (non-emergency)	
Wortham Police Department	(254) 765-3042 (non-emergency) 254-765-3444	
Galveston County		
Galveston County Emergency Management	281-309-5002	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
Galveston County		
Mainland Medical Center	(409) 938-5000	
Dickinson Volunteer Fire Department	281-534-3031	
League City Fire Department	(281) 332-2566	
Texas City Fire Department	(409) 643-5700	
Dickinson Police Department	(281) 337-4700	
Galveston County Sheriff's Department	(409) 766-2300	
Kemah Police Department	(281)334-5414	

League City Police Department	(281) 338-4165	
Texas City Police Department	(409) 948-2525	
Grimes County		
Grimes County Sheriff 911 Dispatch Center Dispatch for Police, Fire, Ambulance	936-873-2151	
Hamilton County		
Hamilton County Sheriff 911 Dispatch Center Police Fire Ambulance	254-386-8128	
Harris County		
American Red Cross-Harris County	(713) 526-8300 (713) 526-2300	
Columbia Bayshore Hospital	(713) 359-2000	
Medical Screening Clinic	(713) 944-9830	
San Jacinto Methodist Hospital - 4401 Garth Road Baytown, TX	(281) 420-8600	
Aldine Fire Department	(281) 847-3300 (281) 590-8184 (non-emergency)	
Baytown Fire/Rescue Department	(281) 422-2311 (281) 420-6556 (281) 427-8512	
Brookshire Fire Department	(281) 375-5000	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
Harris County		
Channelview Fire Department	(281) 452-5782 (281) 452-2954	

Deer Park Fire Department	(281) 479-1511 (281) 478-7281 (non-emergency)	
Fire-Shell Deer Park Refining (For chemical or products pipeline releases within 20 miles of Deer Park Refinery)	(713) 246-7301 (713) 246-7402	
Galena Park Fire Department	(713) 674-5311 (non-emergency)	
Harris Co. Fire Marshall	(281) 436-8000	
Highlands Fire Department	(281) 843-2466 (non-emergency)	
Houston Fire Department	(713) 247-5000	
Huffman Fire Department	(281) 324-2111	
Katy Fire Department	(281) 391-2300 (emergency) (281) 391-3500	
LaPorte Fire Department	(281) 471-3607 (non-emergency)	
Mt. Belvieu Fire (Mutual Aid) Department	(281) 576-2417	
Pasadena Fire Department	(713) 477-1122* (713) 475-5554 (713) 477-1511	
South Houston Fire Department	(713) 944-1910 (non-emergency)	
Webster Fire Department	(281) 332-2426 (281) 333-2712 (non-emergency)	
Bay Area (Bayport) LEPC	(281) 326-2843 (281) 291-2300 281-488-4040	
Baytown LEPC	(281) 420-6556 (281) 422-2311 (fire & rescue) (281) 420-6600	

	(police & EMS)	
Deer Park LEPC	(281) 478-7281 (emergency) (281) 479-1511 (emergency) (281) 478-7247	
Galena Park LEPC	(713) 675-3471 (713) 645-3471 (713) 455-0062	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
Harris County		
Harris Co. LEPC	(713) 881-4500*	
Harris Co. Office of Emergency Management	(713) 881-4500*	
Harris Co. Pollution Control	(713) 920-2831	
Highlands LEPC	281-420-6556 713-455-5372	
Houston LEPC	832-393-0955 (713) 881-3045 (emergency) (713) 881-3333 (non-emergency)	
Katy LEPC	(281) 391-4848 281-391-4800	
LaPorte LEPC	(281) 471-3810 (emergency) (281) 471-2141 (non-emergency) 281-471-5020	

North Channel LEPC	713-455-5372	
Pasadena LEPC	(713) 477-1511	
South Houston LEPC	(713) 947-7700	
Trinity River Authority	(936) 295-5485	
Baytown Police Department	(281) 422-8371	
Deer Park Police Department	(281) 479-1511	
Galena Park Police Department	(713) 675-3471	
Harris Co. Dept. of Public Safety	(281) 517-1300	
Harris Co. Sheriff Department	(713) 221-6000	
Houston Police Department	(713) 814-3131	
LaPorte Police Department	(281) 471-2141 (emergency)	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
Harris County		
League City Police Department	(281) 332-2566	
Pasadena Police Department	(713) 477-1221	
South Houston Police Department	(713) 944-1910	
Webster Police Department	(281) 332-2426	
Hill County		
American Red Cross-Hill County	(254) 776-8362	

Hill Regional Hospital	(254) 580-8911 (emergency) (254) 580-8500 (non-emergency)	
Hillsboro Ambulance	(254) 582-2141	
Hillsboro Fire Department	(254) 582-5313	
Hillsboro Fire Department	(254) 582-2141	
Mertens Fire Department	(903) 682-2038 (non-emergency)	
Whitney Fire Department	(254) 694-2444	
Hill Co. LEPC	(254) 582-5313*	
Hill Co. Police Department	(254) 582-8406	
Hillsboro Highway Patrol	(254) 582-7135	
Whitney Police Department	(254) 694-2638	
Hopkins County		
Hopkins County EMS	903-885-1141	
Hopkins County Memorial Hospital	903-885-7671	
Sulpher Springs Fire Dept.	903-885-7602	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
Hopkins County		
Hopkins County LEPC	903-438-4040	
Hopkins County Sheriff's Dept.	903-438-4040	

Sulphur Springs Police Dept.	903-885-7602	
Howard County		
American Red Cross-Howard County	(432) 570-6161 (432) 332-5641 (800) 378-6614	
Scenic Mountain Hospital	(432) 263-1211	
Howard Co. LEPC	(432) 264-2202	
Howard Co. Sheriff Department	(432) 264-2244	
Hudspeth County		
American Red Cross-Hudspeth County	(915) 592-0208	
Del Sol Medical Center East, El Paso	(915) 595-9000	
Sierra Blanca Ambulance	(915) 369-2161	
Sierra Medical Center, El Paso	(915) 747-4000	
Sierra Blanca Fire Department	(915) 369-2161	
Hudspeth Co. LEPC	(915) 369-2321	
Hudspeth Co. Sherifff Department	(915) 369-2161	
Sierra Blanca Highway Patrol	(915) 369-3011	
Hunt County		
Hunt Regional Emergency Services (EMS)	903-408-1428 903-450-7819	
Hunt Regional Medical Center	903-408-5000	
Greenville Fire Department	903-457-2940	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
Hunt County		
Hunt County LEPC	903-455-3501	
Greenville Police Department	903-457-2900	
Hunt County Sheriff's Department	903-455-3501	
Jack County		
American Red Cross-Jack County	(940) 322-8686	
Jack Co. LEPC	(940) 567-2161	
Jack Co. Highway Patrol	940-567-5815	
Jack Co. Sheriff Department	(940) 567-2161 (non-emergency)	
Johnson County		
American Red Cross-Johnson County	(817) 335-9137 817-240-1212	
Johnson Co. LEPC	(817) 556-6346	
Johnson Co. Sheriff Department	(817) 556-6060 (emergency) (817) 558-0024 (emergency)	
Leon County		
American Red Cross-Leon County	(979) 776-8279	
Leon Co. Ambulance	(903) 536-2749 (Sheriff)	
Leon Co. Fire Department	(903) 536-2749 (903) 536-2266	
Leon Co. LEPC	(903) 536-4407	
Leon Co. Sheriff Department	(903) 536-2749	
Leon Police Department	(903) 536-2749	

	(903) 536-2266	
Loving County		
American Red Cross-Permian Basin	432-563-2267	
Loving Co. LEPC	(432) 940-7934	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
Loving County		
Loving Co. Sheriff Department	(432) 377-2411	
Madison County		
American Red Cross-Madison County	866-526-8300	
Madison Co. LEPC	(936) 348-2670	
Madison Co. Sheriff Department	(936) 348-2755	
Madison County Sheriff	936-348-2755	
Martin County		
American Red Cross-Permian Basin	432-563-2267	
Martin Co. LEPC	(432) 756-2231	
Martin Co. Sheriff Department	(432) 756-3336	
McLennan County		
American Red Cross-Heart of Texas	254-523-4985	
Hillcrest Baptist Medical Hospital	(254) 202-2000	
Waco Ambulance	(254) 754-0355	
Lacy Lakeview Fire Department	(254) 799-2479	

Riesel Fire Department	(254) 896-2201	
Waco Fire Department	254-745-6050	
West Fire Department	254-826-5351	
McLennan Co. LEPC	(254) 750-5911	
Lacy Lakeview Police Department	(254) 799-2479	
McLennan Co. Sheriff Department	(254) 757-5222	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
McLennan County		
Riesel Police Department	254-896-2201	
Waco Police Department	(254) 750-7500	
West Police Department	(254) 826-5311	
Midland County		
American Red Cross-Permian Basin	432-563-2267	
Midland Ambulance	(432) 688-1032	
Midland Memorial Hospital	(432) 685-1111	
Midland Fire Department	(432) 688-1032 432-685-7340	
Midland Co. LEPC	915-688-1228	
Midland Co. Highway Patrol (Main switchboard)	(432) 498-2100	

Midland Co. Sheriff Department	(432) 688-1032	
Midland Police Department	(432) 688-1032	
Milan County		
Milam County Sheriff 911 Center Police, Fire Ambulance	254-697-7033	
Mitchell County		
American Red Cross-Mitchell County	(325) 677-2622 (Abilene)	
Mitchell Co. Hospital	(325) 728-3431	
Mitchell Co. LEPC	(325) 728-5261	
Mitchell Co. Sheriff Department	(325) 728-5261	
Montague County		
American Red Cross-Montague County	(940) 322-8686	
Montague Co. LEPC	(940) 894-2461	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
Montague County		
Montague Co. Sheriff Department	(940) 894-2871	
Montgomery County		
American Red Cross-Montgomery County	(936) 756-2212 (936) 756-2283 (fax) (713) 526-8300 (Houston-day) (713) 526-0636 Houston-night)	
Montgomery Co. LEPC	(936) 539-7812	

Montgomery Co. Sheriff Department	(936) 760-5800	
Navarro County		
American Red Cross-Navarro County	(903) 874-4551	
Corsicana Ambulance	(903) 654-3001	
Medical Arts Emergency Clinic	(903) 872-4611	
Navarro Regional Hospital	(903) 654-6800	
Blooming Grove Fire Department	(903) 695-2711 903-695-2900	
Corsicana Fire Department	(903) 654-3001	
Frost Fire Department	(903) 682-3333	
Navarro Co. LEPC	(903) 872-6751 (903) 654-4961	
Blooming Grove Police Department	(903) 695-2711 903-695-2900	
Corsicana Police Department	(903) 654-4902 903-654-3001	
Frost Police Department	(903) 682-3333	
Navarro Co. Sheriff Department	(903) 654-3001	
Navarro County Sheriff Department	(903) 654-3001	
Nolan County		
American Red Cross-Nolan County	(325) 677-2622 (Abilene)	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED

Recommended, Continued

County Agencies - Texas		
Nolan County		
Rolling Plains Hospital	(325) 235-1701, ext. 351 (ER)	
Nolan Co. LEPC	(325) 235-4304	
Nolan Co. Sheriff Department	(325) 235-5471 (325) 235-5472	
Nolan Police Department	(325) 236-6687	
Permian Basin Ambulance Incorporated	(432) 550-9410	
Parker County		
Aledo Emergency Medical Services	(817) 441-2856 817-596-3131	
American Red Cross-Parker County	(817) 335-9137 (817) 336-8718	
Harris Methodist Southwest Hospital	(817) 346-5000	
John Peter Smith - Ft. Worth	(817) 429-5156	
Weather Regional Medical Center	(817) 596-8751	
Weatherford Regional Health Center	(817) 341-2273	
Aledo Fire Department	(817) 441-7284 817-596-3131	
Willow Park Fire Department	(817) 441-8020	
Parker Co. LEPC	(817) 599-5607 (817) 598-0969 (817) 598-1589	
Aledo Police Department	(817) 594-3213	
Parker Co. Sheriff Department	(817) 594-8845 (817) 594-3213	
Weatherford Highway Patrol	(817) 599-8463	
Willow Park Police Department	(817) 441-9747	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
Reeves County		
American Red Cross-Permian Basin	432-563-2267	
Reeves Co. LEPC	432/447-3542	
Reeves Co. Sheriff Department	(432) 445-4901	
Robertson County		
American Red Cross-Robertson County	(979) 776-8279 (979) 777-3446	
FCHC-Bremond Clinic	(254) 746-7264	
Hearne Ambulance	(979) 828-3299	
St. Joseph Hearne Family Medical Center	(979) 279-3451	
Bremond Fire Department	(979) 828-3299 (emergency)	
Hearne Fire Department	(979) 279-5333	
Robertson Co. LEPC Bill Huggins	(979) 828-3542	
Bremond Police Department	(254) 746-7730 254-746-7110	
Hearne Police Department	(979) 279-5333	
Hearne Sheriff Department	(979) 828-3299	
Robertson Co. Sheriff Department	(979) 828-3299	

Scurry County		
Scurry County Sheriff 911 Dispatch Center Police Fire Ambulance	325-573-3551	
Tarrant County		
Baylor-All Saints 1400 8th Avenue Ft. Worth, Texas	(817) 922-2800*	
Harris Methodist Hospital - Ft. Worth	(817) 882-2000	
Ft. Worth Fire Department	(817) 922-3000 (Dispatch) (817) 392-6805 (Fire Chief)	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
Tarrant County		
Tarrant Co. Fire Marshal	(817) 838-4660	
Tarrant Co. LEPC	(817) 276-4776	
Ft. Worth Police Department	(817) 335-4222	
Tarrant Co. Sheriff Department	(817) 884-3099 817-884-1213	
Taylor County		
Abilene Regional Hospital	(325) 695-9900	
American Red Cross-Taylor County	(325) 677-2622	
Hendrick Medical Center	(325) 670-2000	
City of Abilene (Drinking Water Engineer)	(325) 676-6452	
Taylor Co. LEPC	(325) 674-1385	

Taylor Co. Sheriff Department	(325) 674-1300	
Titus County		
Titus Regional Medical Center	903-577-6000	
Mt. Pleasant Fire Dept.	903-575-4114	
Titus County LEPC	903-572-6641	
Mt. Pleasant Police Dept.	903-575-4004	
Titus County Sheriff's Dept.	903-572-6641	
Walker County		
American Red Cross-Walker County	(713) 526-8300 (Houston-day) (713) 526-2300 (Houston-day) (713) 526-0636 (Houston-night)	
Trinity River Authority (Huntsville)	(936) 295-5485	
Walker Co. LEPC	(936) 436-4910	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		
Walker County		
Walker Co. Sheriff Department	(936) 435-2400	
Wichita County		
American Red Cross-Wichita County	(940) 322-8686	
United Health Care Hospital	(940) 764-2120 (ER)	
Wichita Co. LEPC	(940) 763-0820	

Wichita Co. Sheriff Department	(940) 766-8170	
Winkler County		
American Red Cross-Permian Basin	432-563-2267	
Winkler Co. Community Hospital	(432) 586-8299	
Kermit Fire Department	(432) 586-2577	
Wink Fire Department	(432) 527-3333	
Winkler Co. LEPC	(432) 586-6658	
Kermit Police Department	(432) 586-2577	
Wink Police Department	(432) 527-3413 432-586-2577	
Winkler Co. Highway Patrol	(432) 586-3136	
Winkler Co. Police	(432) 586-2577	
Winkler Co. Sheriff Department	(432) 586-3461	
Wise County		
American Red Cross-Wise County	(817) 335-9137 (817) 336-8718	
Decatur Regional Health Systems	(940) 644-5855	
Wise Regional Health System	(940) 627-5921, ext. 449 (ER)	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Texas		

Wise County		
Chico Fire Department	(940) 644-5302	
Wise Co. LEPC	(940) 627-5971	
Chico Highway Patrol	(940) 627-2693	
Chico Police Department	(940) 644-5855	
Wise Co. Sheriff Department	(940) 627-5971	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number test

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended , Continued		
Service Providers		
A+ Welding Drumright, OK	(918) 352-9272	
Ace Construction Eldorado, KS	(316) 536-2202	
Ace Construction Wichita, KS	(316) 541-2630	
Acurein Inspection Kansas City	(913) 441-3451	
B&H Construction - West Texas Vac truck, transport, construction, frac tanks	432-550-0085	
Barnharts Excavation Chanute, KS	(620) 431-0959	
Blackburn Construction Eldorado, KS	(316) 320-3469	
Certified Safety Specialists 629-B Howard Deer Park, Texas 77536 gocss.net	281-680-1200	
Conestoga Rovers (CRA) Austin 512-506-8803 Houston 713-734-3090 Midland 432-686-0086 Dallas 972-331-8500		

Driver Pipeline	214-638-7131	
Eco-logical Environmental Services, Inc.	(806) 358-7484 Amarillo Office	
Enercon 5100 E. Skelly Drive, Suite 450 Tulsa, OK 74135	918-740-7782	
First Safety- Provider of Safety Personnel 1010 Center Street, Deer Park, TX	281-930-7686 Shanna 832-275-1000 Roy 832-527-9300	
Flint Energy Services	(432) 332-0687	
Flint Energy Services - West Texas Vac Truck, Transport, Construction, Frac Tank	432.332.0687	
Graber Excavating Newton, KS	(316) 799-2243 316-283-4488	
Holloman Corporation - West Texas Vac Truck, Transport, Construction, Frac Tanks	432.381.2000 281-878-2600	
Holomon Construction	(432) 381-2000 281-878-2600	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number test

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended , Continued		
Service Providers		
Iris NDT Tulsa, OK	(918) 446-8773	
Merle Kohlmeyer Jasper, MO	(417) 438-3635	
Mills Construction Cushing OK	(918) 225-1833	
Satellite Shelters - Mobile Office Space www.satelliteco.com	816-918-8485* 816-453-1101 KC 817-571-2166 DAL 281-456-0457	
Savage Service Corp.	(316) 321-3184	

Eldorado, KS (formerly Banks Construction)	(316) 321-4517	
Sober Brothers Ponca City, OK	(580) 765-5503 580-761-3433	
Sprint Pipeline	817-483-4045	
Sunbelt Springfield, MO	(800) 333-5052*	
T&L Lease Service Alvin, Texas Construction, Excavation	713-254-8171 281-331-8221*	
Tom's Ditching Caney, KS	(620) 879-2215 620-879-9989	
United Rentals (Equipment Rentals)	800.877.3687* 24 hour call center	
Vince Myers Welding Cushing, OK	(918) 225-7773 918-346-8498	
Viva Environmental El Paso Office	(915) 779-5395 ext 111 or (877) 456-5272* Toll Free	
Watkins Construction	903-874-6587	
Williams Fire & Hazard Control (Tank Firefighting & Equipment)	281-999-0276 409-727-2347*	
Williams Scottsman Office Trailers Nationwide Locations	800-782-1500 (Not 24hr)	
USCG Classified OSRO's		
A-Clean Environment Wilson, OK	(580) 668-2347* or (800) 259-8347*	
Acme Products Co. Tulsa, OK	(918) 836-7184*	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number test

AFFILIATION	PHONE	TIME CONTACTED

	NUMBER	
Recommended , Continued		
USCG Classified OSRO's		
Anderson Pollution Control Conroe, Texas	866-609-6208	
Clean Channel Association Pasadena, TX	(713) 534-6195, Fax: (713) 534-6197	
Environmental Safety & Health Consulting Services Houma, LA	(985) 851-5350	
Garner Environmental Services Inc. Deer Park, TX	(800) 424-1716* or (281) 930-1200*	
OMI Environmental Solutions (formerly Oil Mop LLC) Pasadena, TX	(800) 645-6671*	
SWS (OSRO 247) Fort Worth, TX	(800) 336-0909*	
TAS Environmental Fort Worth, TX	(888) 654-0111*	
United States Environmental Services (USES)(USCG OSRO 38) New Orleans, LA	888-279-9930	
Air monitoring		
Center for Toxicology & Environmental Health	1-866-869-2834* (501) 801-8500	
Aviation Companies		
Barr Air Patrol, LLC Mesquite, Texas	972-222-0229*	
Brentco Aerial Patrol, Inc. Corsicana, TX	(800) 586-5154 (pager) (b) (6) [redacted] (970) 209-0529 (cell)	
Brentco Aerial Patrol, Inc. Perry, KS	(888) 597-5532* (970) 259-4098 (970) 209-5677 (Rick Vincent cell phone)	
Eagle Sky Patrol John Kruse	(605) 584-1188 (Office) (605) 920-1176 (Mobile) (605) 394-7871 (Pager)	

	605-578-1175 (Office as of 9/09)	
East Texas Regional Airport Longview, TX	(903) 643-3031	
Gulf Coast Helicopters, Inc. Pearland, TX	(281) 485-7345*	
Jet Aviation Corp. Dallas, TX	(214) 350-8523* (800) 966-2378*	
L.H. Underwood & Sons Aerial Patrol, Inc. Guthrie, OK	(405) 282-6171	
L.H. Underwood & Sons Port Arthur, TX	(405) 282-6171 (office) (b) (6) [redacted] (405) 880-4563 (Barbara Serrurier cell)	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number test

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended , Continued		
Aviation Companies		
P K Air Charter, Inc. Houston, TX	(713) 649-5612	
Petroleum Helicopters, Inc. Galveston, TX	(409) 744-5286	
Reynold's Aviation	(281) 573-9996	
Diving Companies		
Martech International, Inc. Houston, TX	(281) 583-0000	
Oceaneering, Inc. Houston, TX	(713) 329-4500 (800) 527-1865	
On & Offshore Quality Control Specialist Austin, TX	(512) 443-3582	
Environmental Sampling		
Test America	918-671-2922* (cell)	

Environmental Testing		
Excavation Contractors		
Bobcat Contracting Hillsboro, Tx	254-582-0205	
Consolidated Crane & Rigging Houston, TX	(713) 641-3330	
Craig Mechanical Houston, TX	(281) 999-1894	
Joyce Steel Erection Longview, TX	(903) 757-3061 (800) 443-8575	
Scott/Head & Guild Port Arthur, TX	(409) 727-2131 (800) 256-0385	
ICS		
EMSI - Emergency Management Services Int. Incident Management Team Coaching	540-423-9004 251-654-1959	
ES&H, Houma Louisiana Incident Management Team staffing	877-437-2634* 888-422-3622*	
O'Brien's Response Mangement Incident Management Team Staffing	985-781-0804	
The Response Group IAP Software, Badging	281-880-5000 800-651-3942*	
Non OSRO spill contractor		
D&H Petroleum & Environmental Services Albuquerque El Paso	800-351-2227 505-342-2024 Albuquerque 915-859-8150 El Paso	
Enviro Clean - Midland ***No Contract***	432-301-0208	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number test

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended , Continued		
Non OSRO spill contractor		
Talon LPE Amarillo	1-866-742-0742	

NO CONTRACT		
TSW Energy Abilene, TX ***NO CONTRACT***	325-665-7063	
Transport Companies		
Ace Transportation Houston, TX	(713) 674-4000*	
Acme Truck Line Houston, TX	(713) 674-7070 (800) 777-4786	
Vacuum Truck Services		
ASI Hutchins, Texas	800-964-1715	
Basic Energy Service, Inc. Ganado, TX	432-756-2875	
Basic Energy Services Beaumont, TX	(409) 842-6262	
Basic Energy Services Dayton, TX	(936) 258-2274 (800) 880-0903	
Bolt Service Co. Kilgore, TX	(903) 984-2921	
Brothers Vacuum Service El Campo, TX	(979) 543-6851 (800) 541-9198	
Consolidated Bartelesville, OK	(918) 338-0808*	
Consolidated Chanute, KS	(800) 467-8676 785-242-4044	
Consolidated Ottawa, KS	(785) 242-4044	
CTI	888-444-7077 (915) 238-8135 915-526-2341	
D&P Fairfax, OK	(918) 642-3258	
Driver Pipeline Company Dallas, TX	(214) 638-7131	
Eagle Construction & Environmental Service Ft. Worth, TX	(817) 847-1333 (800) 336-0909*	
Garner Environmental Services Houston, TX	(281) 930-1200 800-424-1716	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number test

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended , Continued		
Vacuum Truck Services		
Garner Environmental Services Port Arthur, TX	(409) 983-5646	
Ham and Phillips Enid, OK	(580) 242-1876	
Independent Cushing	(918) 352-2539 800-358-2539	
Key Energy Service Kilgore, TX	(800) 999-8628 (903) 984-8646* 903-983-3711	
Key Energy Services, Inc. Graham, TX	817-594-3677 (800) 234-5806	
Key Energy Services, Inc. Haletsville, TX	361-575-4132	
Key Energy Services, Inc. Sweetwater, TX	(800) 749-6613* (325) 236-6611	
Liquid Environmental Services San Antonio, TX	(800) 322-5085 (210) 628-1049	
Midwestern Services Houston, TX	(713) 923-8691 (800) 207-0287*	
MoVac Luling, TX	830-875-5692	
Mo-Vac Mc Allen, TX	(956) 631-9121	
R.O.S. Vacuum Services Sour Lake, TX	(409) 287-2733	
Specialized Waste Systems, Inc. Houston, TX	(713) 455-7799* (800) 725-1136	
Tank Trucks Keifer, OK	(918) 224-7515	
Tank Trucks Sapulpa, OK	(918) 321-3795	

Tas Environmental	(888)-654-0111	
U.S. Filters Dallas, TX	800-466-7873	
Ward McCarty Vacuum Liberty, TX	(936) 336-7313 936-334-1188	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number test

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended , Continued		
Vacuum Truck Services		
Ward McCarty Houston, TX	(713) 228-2641 (888) 232-9804	
Watkins Construction Corsicana, TX	(903) 874-6587	
Waste Management		
Browning and Ferris Industries (BFI)	(800) 256-5598	
Clean Harbors Deer Park, TX	(281) 930-2300 (800) 962-4430	
Clean Harbors La Porte, TX	(800) 446-5777 (281) 476-0645	
Waste Management Pasadena, TX	713-686-6666	
Wildlife Rehabilitation		
Tri-State Bird Rescue and Research Inc.	(302) 737-7241 (302) 737-9562 (Fax) (800) 710-0695* (Pager) (800) 710-0696* (Pager)	
Wildlife Center of Texas Houston, TX	713-861-9453	
Neighboring Facilities		
Bush Airport Operations - Houston Texas	281-233-1132 281-233-1131	

Kinder Morgan Pasadena	Control Room 713-920-8451 Security 713-920-8488/8489	

SECTION 4 Last revised: January 2005

RESPONSE TEAM ORGANIZATION

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4.1 Description

4.2 Activation Procedures

4.3 SMT Resources Per Tier

4.4 Incident Command System / Unified Command

4.5 Qualified Individual (QI)

Figure 4.5-1 - Spill Management Team (SMT) Activation Procedure

Figure 4.5-2 - Spill Management Team (SMT) Organization Chart

Figure 4.5-3 - Enhanced SMT Organization Chart

4.6 Spill Management Team (SMT) Job Descriptions and Guidelines

4.1 DESCRIPTION

The Spill Management Team (SMT) has been created and organized to plan for and manage oil spills. (The SMT may also respond to other emergencies.) The SMT is composed of Company personnel from offices within the Area. Additional personnel from outlying offices can be used (if needed). The SMT will develop strategies and priorities for a response, then will supervise contractors, handle safety and security matters, and will provide logistical support for contractor personnel. The SMT will handle all communications with the media and the public. Job descriptions for each SMT member are provided in **SECTION 4.6**. The SMT will train by participating in exercises as noted in APPENDIX A.

The size and makeup of the SMT will be determined by the level of response required by the emergency event. Most emergencies can be categorized using tiers to define the extent of the emergency as well as the potential resources to effectively respond to the emergency.

Tier 1. A localized event that does not impact flowing waters and does not result in evacuations or closure of major roadways or railways.

Tier 2. An event that impacts flowing waters, may result in minor evacuations, may cause minor injuries, may shut down a minor waterway or may temporarily shut down a major roadway.

Tier 3. An event that has the potential to cause major economic or reputational damage to the Company including events which may involve major injuries or fatalities, cause mass evacuations, impact miles of waterways or close major navigable waters to marine traffic.

The organization and resources required for each tier will most likely be cumulative. A tier 1 event may required a basic ICS organizational structure as shown in **FIGURE 4.5-2**, while a tier 3 even will most likely require an enhanced organizational structure as shown in **FIGURE 4.5-3**, with specialty contractors filling most of the operational positions as well as some of the general staff positions.

For a tier 2 response, the Company has identified specialty contractors which may perform air monitoring, ICS planning and Safety functions.

For a tier 3 response, the Company has created a suggested response organization which uses Company personnel in key positions and professional spill management team contractors in many of the general staff positions. Those positions which should be filled by Company personnel include:

Incident Commander/Unified Commander	Public Information Officer
Safety Officer	Operations Section Chief
Resource Unit Leader	Environmental Unit Leader
Logistics Section Chief	Finance/Admin Section Chief

4.2 ACTIVATION PROCEDURES

Activation of the SMT may be accomplished in stages. Initially, the First Responder assumes the role of Incident Commander (IC). During a spill incident, the initial IC may be able to respond without assistance from the SMT. If the situation requires more resources, he may request additional personnel or management support from the SMT. This request is made to the Qualified Individual (QI). Depending on the situation, the QI may then assume the role of

Incident Commander. The QI would then call out the other SMT members. The SMT activation procedure is provided in FIGURE 4.5-1.

In the event of a tier 3 response lasting more than a few weeks, new Company personnel would rotate into the organization to provide relief. Each wave of relief responders would receive "just in time" training to supplement their existing training and would be required to shadow their counterparts for 1-2 days before assuming control.

4.3 SMT RESOURCES PER TIER

Cumulative Response Resource Table

	Company Personnel	Contractor Resources
Tier 1	Asset Integrity Crew (SMT)	Pipeline Repair Contractor
	Operations Supervisors (SMT)	Spill Cleanup Contractor
	Environmental Specialist	Environmental Contractor
	Safety Specialist	
Tier 2	ER Coordinator	Safety Contractor
	Real Estate	ICS Forms Contractor
	Insurance	Air Monitoring Contractor
	Media Affairs	Site Security Contractor
	Accounting	
Tier 3	Legal	Spill Management Team Contractor
		ICS System Coaches
		Wildlife Contractor

4.4 INCIDENT COMMAND SYSTEM / UNIFIED COMMAND

The Incident Command System (ICS) will be used by the Company SMT for spill response. The SMT organization chart is provided in FIGURE 4.5-2. The organization can be expanded or contracted as necessary.

Because a spill may cross geographic boundaries, involve multiple government levels or involve different statutory responsibilities, several entities may be affected. The Unified Command System (UCS) is the accepted method of organizing key spill management entities within the Incident Command System. The primary entities may include:

- Federal On-Scene Coordinator (FOSC)
- State On-Scene Coordinator (SOSC)
- Magellan Incident Commander
- Local Emergency Response Agency

In order to be a member of a Unified Command, the entity or agency should:

- Have jurisdictional authority or functional responsibility under a law or contingency plan,
- Be specifically charged with commanding or coordinating a major portion of the response,
- Have the resources to participate in the response, and
- Be impacted by the event.

4.4 INCIDENT COMMAND SYSTEM / UNIFIED COMMAND**, CONTINUED**

The Unified Command shares decision-making authority within the Incident Command System. Other responders, such as state, local or private contractors, are integrated into the system as appropriate for their function. OSROs and other spill contractors are generally managed by the Operation Section Chief. Police, Fire, and other Emergency Agencies may be managed by a Deputy Operations Section Chief who is a member of their department. In some cases the Emergency Agencies may be managed by an Operations Section Chief who is a member of their department, with a Magellan employee as a deputy who is managing the spill response.

Other agencies may be represented by the Liaison and not otherwise represented in the Unified Command Structure.

4.5 QUALIFIED INDIVIDUAL (QI)

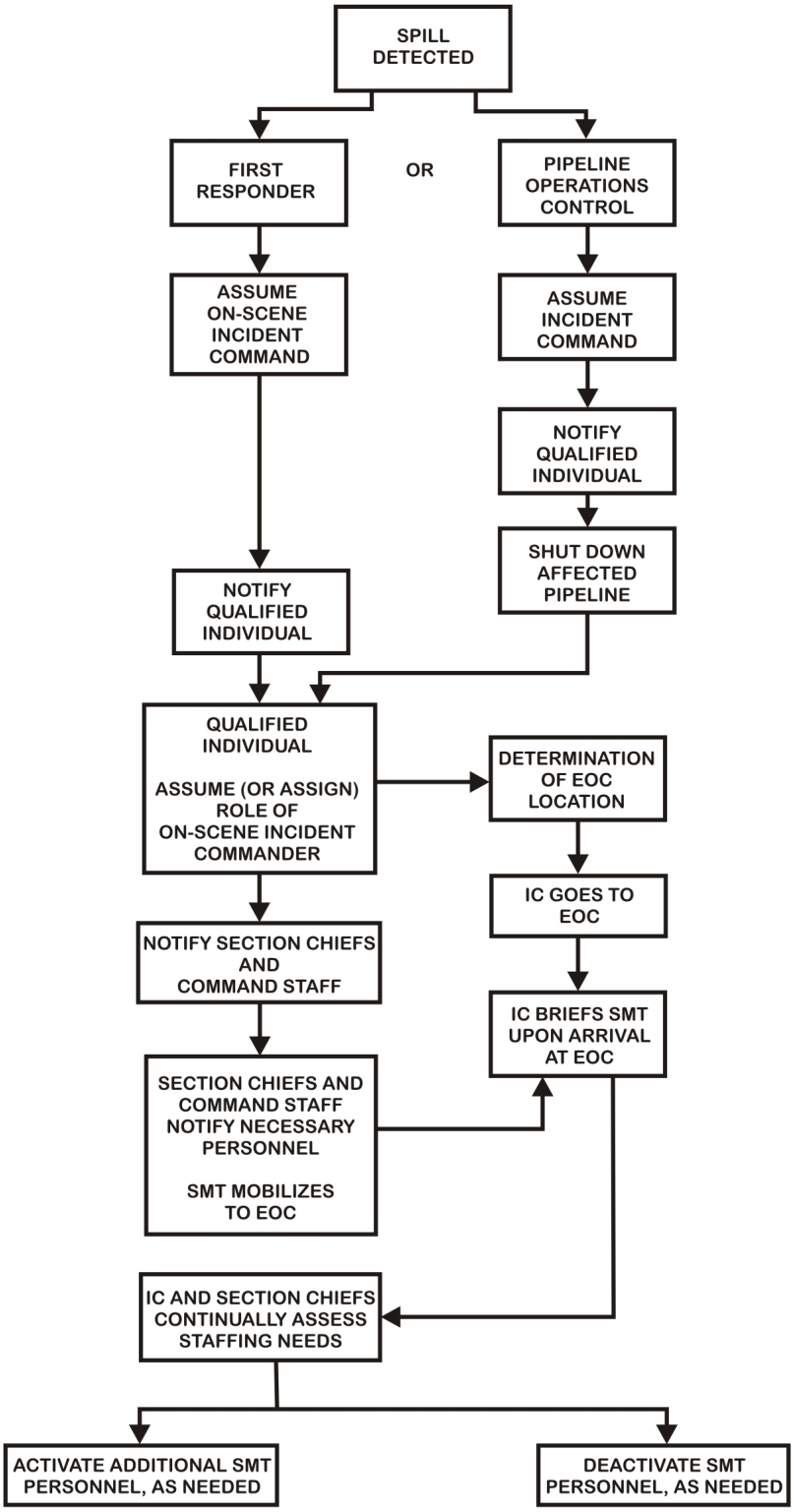
The Qualified Individual (QI) is an English-speaking representative, residing in the United States, available on a 24-hour basis, and trained in the responsibilities outlined in this section. The QI has the following responsibilities and authorities as required by the Oil Pollution Act of 1990 (OPA 90):

- Activate internal alarm and hazard communication systems to notify all appropriate personnel
- Notify all response personnel and contractors (as needed)
- Identify the character, exact source, amount, and extent of the release and other necessary items needed for notifications
- Notify and provide information to appropriate federal, state and local authorities
- Assess the interaction of the spilled substance with water and/or other substances stored at the 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 funds to initiate clean-up activities

- Direct cleanup activities until properly relieved of the responsibility or the incident is terminated

For further information on Qualified Individual's training, refer to **APPENDIX A**. Phone numbers for Qualified Individuals are provided in **FIGURE 1-3** and **FIGURE 3.1-3**.

FIGURE 4.5-1 - SPILL MANAGEMENT TEAM (SMT) ACTIVATION PROCEDURE



EOC - Emergency Operations Center
IC - Incident Commander
QI - Qualified Individual
SMT - Spill Management Team

FIGURE 4.5-2 - SPILL MANAGEMENT TEAM (SMT) ORGANIZATION CHART

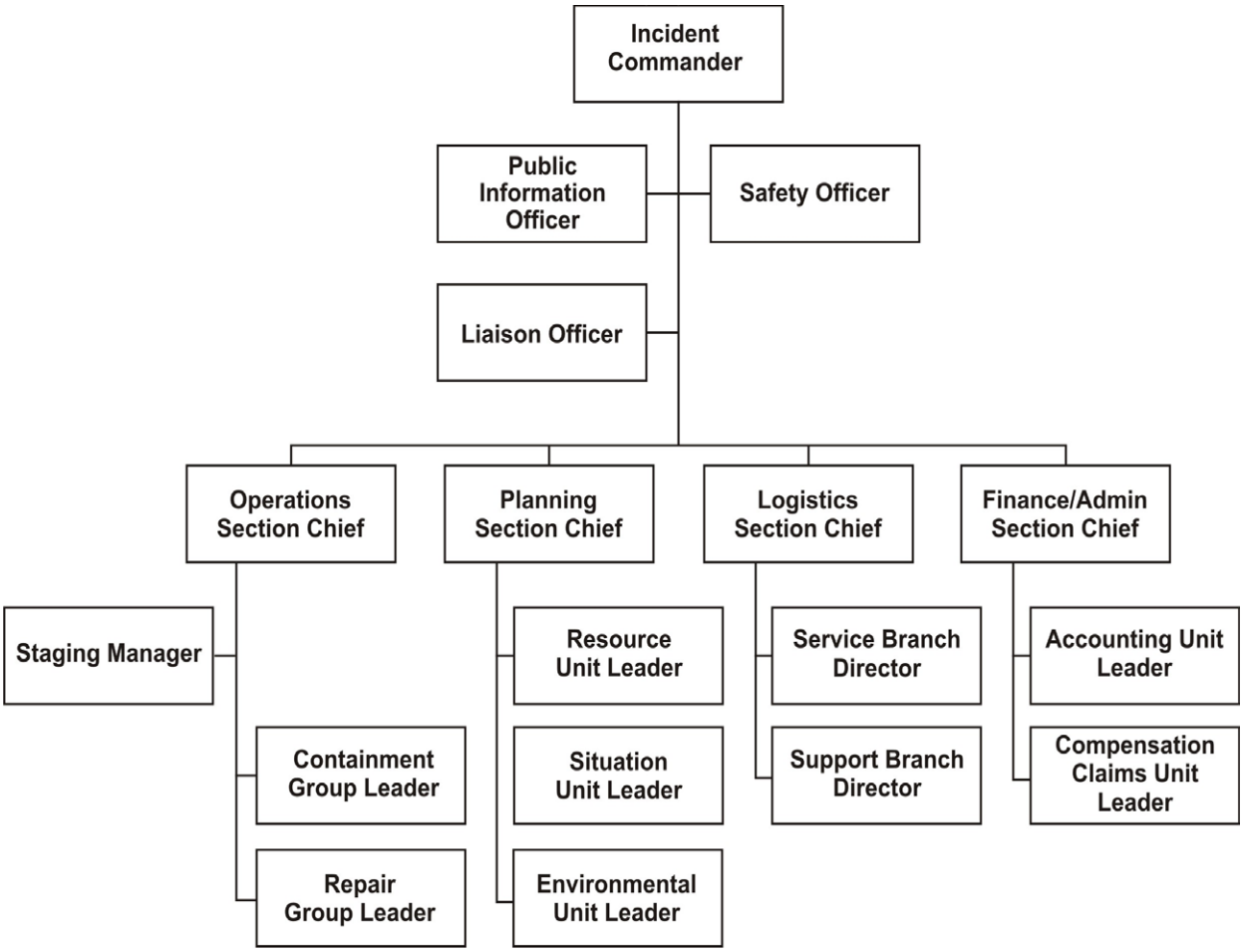
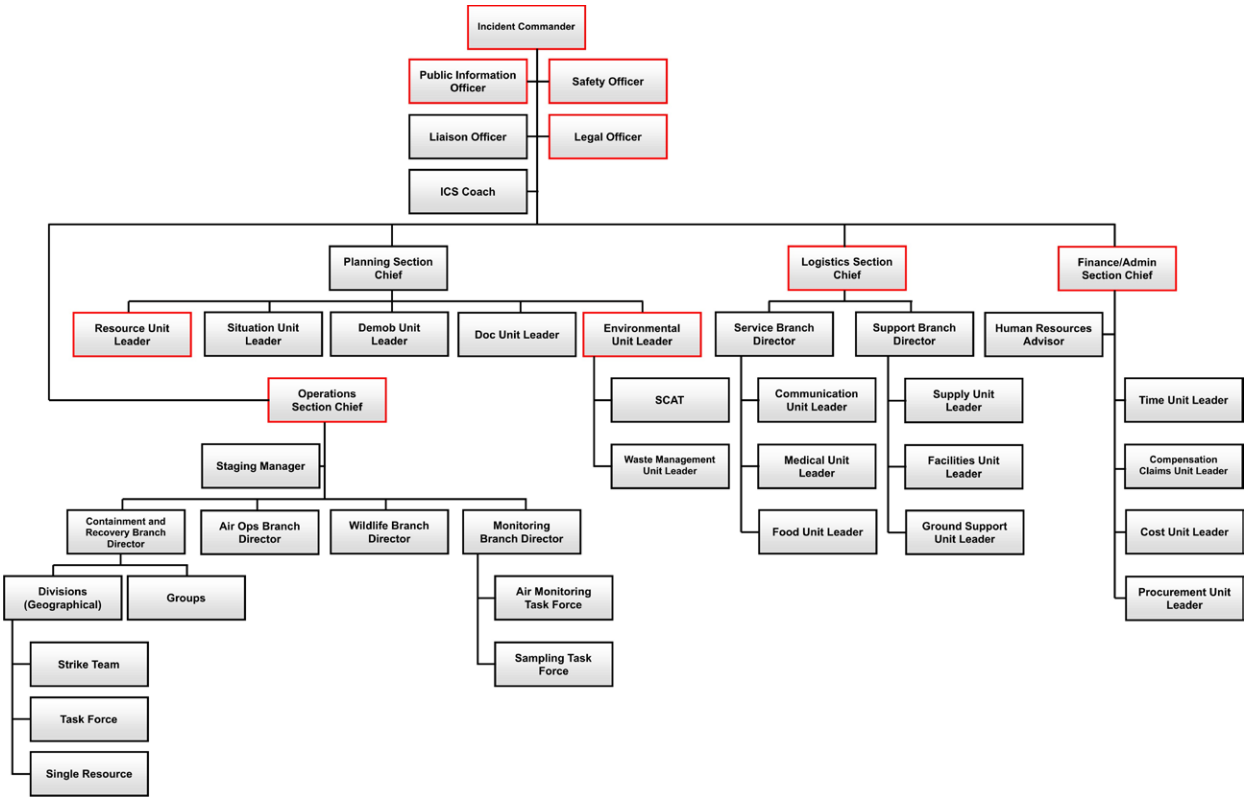


FIGURE 4.5-3 - ENHANCED SMT ORGANIZATION CHART



4.6 SPILL MANAGEMENT TEAM (SMT) JOB DESCRIPTIONS AND GUIDELINES

The following job descriptions and guidelines are intended to be used as a tool to assist SMT members in their particular positions within the Incident Command System (ICS).

- Incident Commander
- Public Information Officer
- Liaison Officer
- Safety Officer
- Operations Section Chief
- Staging Manager
- Repair Group Leader
- Containment Group Leader
- Planning Section Chief
- Environmental Unit Leader
- Situation Unit Leader
- Logistics Section Chief
- Communications Group Leader
- Security/Medical Group Leader
- Support Branch Director
- Finance/Admin Section Chief
- Accounting Unit Leader
- Compensation Claims Unit Leader
- Legal Group Leader

INCIDENT COMMANDER

The Incident Commander (IC) manages all activities related to an emergency response and acts as Qualified Individual (QI). As such, the Incident Commander needs to be familiar with the contents of the Facility Response Plan (FRP), Oil Spill Response Plan (OSRP), Emergency Response Action Plan (ERAP), and the Spill Prevention Control and Countermeasure Plan (SPCC). The Incident Commander (IC) must also be familiar with the operation of the Incident Command System (ICS) and the Unified Command Structure (UCS).

The primary goal of this system is to establish and maintain control of the emergency response. If the emergency involves a multi-jurisdictional response (Federal and State), the Unified Command Structure (UCS) should be established. **Realize that the Federal On-Scene Coordinator (FOSC) does have the authority to override the Incident Commander and assume control of the response**. Every effort should be made to establish a collaborative relationship to manage the incident site with the appropriate responding agencies.

As soon as possible but not later than one (1) week following an incident, the Incident Commander shall conduct a critique of the response and follow-up of action items. Participants shall include Operations Control personnel, Company supervisors, and employees and outside agencies involved in the response. An Incident Debriefing Form is provided in **SECTION 8.3**.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Establish Incident Command/Unified Command Post.
- ☐ Activate necessary section(s) of the Incident Command System (ICS) to deal with the emergency. Fill out the appropriate section(s) of the Incident Command organization chart and post it at the Incident Command Center.
- ☐ Develop goals and objectives for response.
- ☐ Work with Safety Officer and Planning Section Chief to develop a Site Safety Plan (SSP).
- ☐ Approve, authorize, and distribute Incident Action Plan (IAP) and SSP.
- ☐ Conduct planning meetings and briefings with the section chiefs.
- ☐ As Qualified Individual coordinate actions with Federal On-Scene Coordinator (FOSC) and State On-Scene Coordinator (SOSC).
- ☐ In a multi-jurisdictional response, ensure that all agencies are represented in the ICS.
- ☐ Coordinate and approve media information releases with the FOSC, SOSC, and Public Information Officer (PIO).
- ☐ Keep management informed of developments and progress.
- ☐ Authorize demobilization of resources as they are no longer needed.
- ☐ Complete Standard Incident Debriefing Form (**FIGURE 8.3-1**).

PUBLIC INFORMATION OFFICER

The Public Information Officer (PIO) provides critical contact between the media/public and the emergency responders. The PIO is responsible for developing and releasing information about the incident to the news media, incident personnel, appropriate agencies and public. When the response is multi-jurisdictional (involves the federal and state agencies), the PIO must coordinate gathering and releasing information with these agencies.

The PIO needs to communicate that the Company is conducting an effective response to the emergency. The PIO is responsible for communicating the needs and concerns of the public to the Incident Commander (IC).

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from IC.
- ☐ Participate in all planning meetings and briefings.
- ☐ Obtain outside information that may be useful to incident planning.
- ☐ Develop goals and objectives regarding public information.
- ☐ Arrange for necessary workspace, materials, telephones and staffing for Public Information Center (PIC).
- ☐ Establish a PIC, ensuring all appropriate agencies participate.
- ☐ Provide a single point of media contact for the IC.
- ☐ Coordinate media access to the response site as approved by the IC.
- ☐ Obtain approval for release of information from the IC.
- ☐ Arrange for meetings between media and emergency responders.
- ☐ Maintain list of all media present.
- ☐ Participate in Post Incident Review (**SECTION 8.3**)

LIAISON OFFICER

If a Unified Command Structure is not established a Liaison Officer is appointed as the point of contact for personnel assigned to the incident from assisting or cooperating agencies.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from Incident Commander (IC).
- ☐ Participate in planning meetings and briefings.
- ☐ Identify and maintain communications link with agency representatives, assisting, and coordinating agencies.
- ☐ Identify current or potential inter-organizational issues and advise IC as appropriate.
- ☐ Coordinate with Legal Group Leader and Public Information Officer (PIO) regarding information and documents released to government agencies.

- ☐ Participate in Post Incident Review (**SECTION 8.3**).

SAFETY OFFICER

The Safety Officer is responsible for assessing and monitoring hazardous and unsafe situations at the emergency response site(s). The Safety Officer must develop measures that assure the safety of the public and response personnel. This involves maintaining an awareness of active and developing situations, ensuring the preparation and implementation of the Site Safety Plan (SSP) and assessing safety issues related to the Incident Action Plans (IAP). If response activities are judged by the safety officer to involve an imminent danger condition, the Safety Officer has the authority to alter, suspend or terminate those activities.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from Incident Commander (IC).
- ☐ Develop, implement, and disseminate SSP with IC and section chiefs.
- ☐ Participate in planning meetings and briefings.
- ☐ Establish safety staff if necessary.
- ☐ Identify emergency contact numbers. Fill out emergency contact chart and post in the Incident Command Center.
- ☐ Conduct safety briefings with all emergency responders.
- ☐ Investigate accidents that have occurred during emergency response.
- ☐ Ensure proper hazard zones are established. (See Hazard Zones.)
- ☐ Ensure all emergency responders have appropriate level of training.
- ☐ Ensure proper Personal Protective Equipment (PPE) is available and used.
- ☐ Advise Security/Medical Group Leader concerning PPE requirements.
- ☐ Ensure emergency alarms/warning systems are in place as needed.
- ☐ Participate in Post Incident Review (**SECTION 8.3**).

OPERATIONS SECTION CHIEF

The Operations Section Chief is responsible for the management of all operations applicable to the field response and site restoration activities. Operations directs field activities based on the Incident Action Plan (IAP) and Site Safety Plan (SSP). The duties of the Operations Section Chief also include coordination and management of Oil Spill Removal Organization's (OSROs) activities.

Responsibilities:

- ☐ Maintain Activity Log.

- ☐ Obtain briefing from Incident Commander (IC).
- ☐ Participate in Incident Command planning meetings and briefings.
- ☐ Conduct planning meetings and briefings for Operations Section.
- ☐ Develop operations portion of IAP.
- ☐ Supervise the implementation of the IAP.
- ☐ Make or approve expedient changes to the IAP.
- ☐ Request resources needed to implement IAP.
- ☐ Approve list of resources to be released.
- ☐ Ensure safe tactical operations.
- ☐ Establish a staging area for personnel and equipment.
- ☐ Confirm first responder actions.
- ☐ Confirm the completion of rescue/evacuation and administering of first aid.
- ☐ Confirm site perimeters have been established.
- ☐ Coordinate activities of public safety responders, contractors and mutual assistance organizations.
- ☐ Participate in Post Incident Review (**SECTION 8.3**).

STAGING Manager

The Staging Manager is responsible for managing all activities within the staging area(s). The Staging Manager will collect, organize, and allocate resources to the various response locations as directed by Operations Section Chief.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from Operations Section Chief.
- ☐ Participate in Operations' planning meetings and briefings.
- ☐ Advise Operations Section Chief of equipment location and operational status.
- ☐ Periodically advise Operations Section Chief on inventory status of consumable items (sorbent pads, sorbent boom, etc.).
- ☐ Coordinate with Logistics Section Chief regarding inbound equipment, personnel and supplies.
- ☐ Participate in development of Operations' portion of Incident Action Plan (IAP).
- ☐ Establish check-in function and inventory control as appropriate.
- ☐ Allocate personnel/equipment to site(s) as requested.
- ☐ Establish and maintain boundaries of staging area(s).
- ☐ Demobilize/relocate staging area as needed.
- ☐ Post signs for identification and traffic control.

- ☐ Participate in Post Incident Review (**SECTION 8.3**)

REPAIR GROUP LEADER

The Repair Group Leader is responsible for supervising the repair and restoration of pipeline facilities.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from Operations Section Chief.
- ☐ Periodically advise Operations Section Chief on status of restoration activities.
- ☐ Conduct frequent hazard assessments and coordinate safety needs with Operations Section Chief and Safety Officer.
- ☐ Participate in Operations' planning meetings and briefings.
- ☐ Participate in development of Operations' portion of Incident Action Plan (IAP).
- ☐ Conduct facility restoration activities in accordance with Company procedures, Site Safety Plan (SSP) and IAP.
- ☐ Determine and request additional materials, equipment and personnel as needed.
- ☐ Ensure all equipment is decontaminated prior to being released.
- ☐ Participate in Post Incident Review (**SECTION 8.3**).

CONTAINMENT GROUP LEADER

The Containment Group Leader is responsible for supervising the containment and recovery of spilled product and contaminated environmental media both on land and on water.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from Operations Section Chief.
- ☐ Participate in Operations' planning meetings and briefings.
- ☐ Participate in development of Operations' portion of Incident Action Plan (IAP).
- ☐ Conduct activities in accordance with the IAP.
- ☐ Assess overall situation for containment and recovery needs and supervise group activities.
- ☐ Periodically advise the Operations Section Chief on the status of containment and recovery actions.
- ☐ Ensure hazard zones are established and maintained.
- ☐ Ensure adequate communication equipment for the containment group response.

- ☐ Determine and request additional resources as needed.
- ☐ Participate in Post Incident Review (**SECTION 8.3**).

PLANNING SECTION CHIEF

The Planning Section Chief is responsible for collecting, evaluating, and disseminating information related to the current and future events of the response effort. The Planning Section Chief must understand the current situation; predict the future course of events; predict future needs; develop response and cleanup strategies, and review the incident once complete.

The Planning Section Chief must coordinate activities with the Incident Commander (IC) and other Section Chiefs to ensure that current and future needs are appropriately handled.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from the IC.
- ☐ Establish and maintain communication with IC and other Section Chiefs.
- ☐ Advise IC on any significant changes of incident status.
- ☐ Conduct planning meetings and briefings for Planning section.
- ☐ Coordinate and provide input to the preparation of the Incident Action Plan (IAP).
- ☐ Participate in Incident Command planning meetings and briefings.
- ☐ In a multi-jurisdictional response, ensure that all agencies are represented in the Planning Section.
- ☐ Coordinate future needs for the emergency response.
- ☐ Determine response personnel needs.
- ☐ Determine personnel needs and request personnel for Planning section.
- ☐ Assign technical specialists (archaeologists, historians, biologists, etc.) where needed.
- ☐ Collect and analyze information on the situation.
- ☐ Assemble information on alternative response and cleanup strategies.
- ☐ Ensure situation status unit has a current organization chart of the Incident Command Organization.
- ☐ Provide periodic spill movement/migration prediction.
- ☐ Participate in Post Incident Review (**SECTION 8.3**).

ENVIRONMENTAL UNIT LEADER

The Environmental Unit Leader is responsible for ensuring that all areas impacted by the

release are identified and cleaned up following company and regulatory standards. The Environmental Unit Leader supports Planning and Operations to minimize and document the environmental impact of the release. The Environmental Unit Leader must plan for future site considerations such as long-term remediation and alternative response strategies in unusually sensitive areas. In a Unified Command Structure (UCS), representatives from the federal and state responding agencies will be included in this unit.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from the Planning Section Chief.
- ☐ Participate in Planning section meetings and briefings.
- ☐ Participate in development of Planning's portion of Incident Action Plan (IAP).
- ☐ Coordinate environmental activities with responding regulatory agencies.
- ☐ Periodically advise the Planning Section Chief on status of group activities.
- ☐ Request additional personnel/specialists to support response effort.
- ☐ Determine environmental unit resource needs.
- ☐ Identify and develop a prioritized list of natural, cultural and economic (NCE) resources at risk.
- ☐ Initiate and coordinate Natural Resources Damage Assessment (NRDA) activities.
- ☐ Develop a management plan for recovered contaminated media and ensure coordination with Containment Group Leader.
- ☐ Ensure proper management of injured/oiled wildlife.
- ☐ Determine alternative cleanup strategies for response.
- ☐ Participate in Post Incident Review (**SECTION 8.3**).

SITUATION UNIT LEADER

The Situation Unit Leader is responsible for the collection, evaluation, display, and dissemination of all information related to the emergency response effort. The Situation Unit Leader must establish and maintain communications with all portions of the Incident Command and the response site in order to collect the information. The Situation Unit Leader also attempts to predict spill movement/migration and identifies areas that may be impacted by the emergency.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from the Planning Section Chief.
- ☐ Participate in Planning section meetings and briefings.
- ☐ Participate in development of Planning's portion of Incident Action Plan (IAP).
- ☐ Maintain a master list of response resources ordered, in staging and in use.
- ☐

Collect and display current status of requested response resources.

- ☐ Collect and display current status of resources, current spill location, personnel and weather.
- ☐ Analyze current information to determine spill trajectory and potential impacts.
- ☐ Disseminate information concerning the situation status upon request from the emergency responders.
- ☐ Provide photographic services and maps.
- ☐ Establish periodic reconnaissance of impacted area to support information needs.
- ☐ Collect information on the status of the implementation of Incident Action Plans. Display this information in the Incident Command Center.
- ☐ Participate in Post Incident Review (**SECTION 8.3**).

LOGISTICS SECTION CHIEF

The Logistics Section Chief is responsible for procuring facilities, services and material in support of the emergency response effort.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from the Incident Commander (IC).
- ☐ Participate in Incident Command planning meetings and briefings.
- ☐ Conduct planning meetings and briefings for Logistics section.
- ☐ Participate in the preparation of the Incident Action Plan (IAP).
- ☐ Identify service and support requirements for planned operations.
- ☐ Identify sources of supply for identified and potential needs.
- ☐ Advise IC on current service and support requirements.
- ☐ Procure needed materials, equipment and services from sources by means consistent with the timing requirements of the IAP and Operations.
- ☐ Ensure all purchases are documented.
- ☐ Participate in Post Incident Review (**SECTION 8.3**).

COMMUNICATIONS GROUP LEADER

The Communications Group Leader is responsible for ensuring that the Incident Command and emergency responders have reliable and effective means of communication. This may involve activation of multiple types of communications equipment and coordination among multiple responding agencies and contractors.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from Logistics Section Chief.
- ☐ Periodically advise Logistics Section Chief on status of communications group.
- ☐ Participate in Logistics section planning meetings and briefings.
- ☐ Participate in development of Logistics' portion of Incident Action Plan (IAP).
- ☐ Establish an Incident Command communications center.
- ☐ Ensure Incident Commander (IC) has communications compatible with other response agencies.
- ☐ Identify all communications circuits/equipment used by emergency responders and keep a chart updated with this information.
- ☐ Determine the type and amount of communications required to support the response effort (computer, radio, telephone, fax, etc.).
- ☐ Ensure timely establishment of adequate communications equipment and systems.
- ☐ Advise Logistics Section Chief on communications capabilities/limitations.
- ☐ Establish an equipment inventory control system for communications gear.
- ☐ Ensure all equipment is tested and repaired.
- ☐ Participate in Post Incident Review (**SECTION 8.3**).

SECURITY/MEDICAL GROUP LEADER

The Security/Medical Group Leader is responsible for developing a plan to deal with medical emergencies, obtaining medical aid and transportation for emergency response personnel, and preparation of reports and records.

The Security/Medical Group Leader is responsible for providing safeguards needed to protect personnel and property from loss or damage. The Security/Medical Group Leader also controls access to the emergency site and Incident Command Center.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from Logistics Section Chief.
- ☐ Periodically advise Logistics Section Chief on the status of security and medical problems.
- ☐ Participate in Logistics meetings and briefings.
- ☐ Participate in development of Logistics' portion of Incident Action Plan (IAP).
- ☐ Determine and develop security/medical support plan needs.
- ☐ Request medical or security personnel, as needed.
- ☐ Work with Safety Officer to identify/coordinate local emergency medical services.
- ☐ Coordinate with Safety Officer and Operations Section Chief to establish the Site Safety Plan (SSP) with site boundaries, hazard zones, escape routes, staging areas,

command Center and Personal Protective Equipment (PPE) requirements.

- ☐ Coordinate/develop an identification system in order to control access to the incident site.
- ☐ Participate in Post Incident Review (**SECTION 8.3**).

SUPPORT BRANCH DIRECTOR

The Support Branch Director is responsible for procurement and the disposition of personnel, equipment and supplies; receiving and storing all supplies for the incident; maintaining an inventory of supplies; and servicing non-expendable supplies and equipment. The Support Branch Director supports the following: transportation of personnel; supplies, food, equipment; and fueling, service, maintenance and repair of vehicles and equipment.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from Logistics Section Chief.
- ☐ Periodically advise Logistics Section Chief on status of support branch.
- ☐ Participate in Logistics meetings and briefings.
- ☐ Participate in development of Logistics' portion of Incident Action Plan (IAP).
- ☐ Communicate with Staging Manager concerning material, equipment and personnel that are inbound and the approximate time of arrival.
- ☐ Coordinate with other Section Chiefs to ascertain the priority of needed materials, equipment and services.
- ☐ Coordinate with Finance/Admin Section Chief to establish accounts, purchase orders, AFEs and procedures as necessary.
- ☐ Establish an inventory control system for materials and equipment.
- ☐ Maintain roads, when necessary.
- ☐ Participate in Post Incident Review (**SECTION 8.3**).

FINANCE/ADMIN SECTION CHIEF

The Finance/Admin Section Chief is responsible for accounting, legal, right-of-way and risk management functions that support the emergency response effort. In this role, the primary responsibility is supporting the Command Staff and Logistics Section matters pertaining to expenses during and following the emergency response.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from Incident Commander (IC).

- ☐ Participate in Incident Command planning meetings and briefings.
- ☐ Conduct planning meetings and briefings for Finance/Admin section.
- ☐ Participate in preparation of the Incident Action Plan (IAP).
- ☐ Participate in planning meetings.
- ☐ Participate in Unified Command System (UCS) as incident warrants.
- ☐ Request assistance of corporate accounting, legal, right-of-way or risk management as needed.
- ☐ Assist with contracting administration.
- ☐ Participate in Post Incident Review (**SECTION 8.3**).

ACCOUNTING UNIT LEADER

The Accounting Unit Leader is responsible for accumulating and dispensing funding during an emergency response. All charges directly attributed to the incident should be accounted for in the proper charge areas.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from Finance/Admin Section Chief.
- ☐ Periodically advise Finance/Admin Section Chief.
- ☐ Participate in Finance/Admin planning meetings and briefings.
- ☐ Participate in development of Finance/Admin's portion of Incident Action Plan (IAP).
- ☐ Make recommendations for cost savings to Finance/Admin and Logistics Section Chiefs.
- ☐ Establish accounts as necessary to support the Logistics section.
- ☐ Ensure all invoices are documented, verified and paid accordingly.
- ☐ Involve corporate accounting unit for assistance as necessary.
- ☐ Participate in Post Incident Review (**SECTION 8.3**).

COMPENSATTION CLAIMS UnIT LEADER

The Compensation Claims Unit Leader is responsible for managing all risk management and right-of-way issues at, during and following an emergency response. It is important that all compensation claims are investigated and handled expediently.

Responsibilities:

- ☐ Maintain Activity Log.

- ☐ Obtain briefing from Finance/Admin Section Chief.
- ☐ Participate in Finance/Admin planning meetings and briefings.
- ☐ Participate in development of Finance/Admin's portion of Incident Action Plan (IAP).
- ☐ Periodically inform affected parties of status of emergency response.
- ☐ Review and authorize payment of all compensation claims.
- ☐ Provide needs of evacuated persons or groups.
- ☐ Purchase or acquire property.
- ☐ Inform and update necessary insurance groups and underwriters.
- ☐ Involve corporate Risk Management or Land, Records and Claims as needed.
- ☐ Participate in Post Incident Review (**SECTION 8.3**).

LEGAL GROUP LEADER

The Legal Group Leader is responsible for advising the Incident Command Staff and Section Chiefs on all matters that may involve legal issues.

Responsibilities:

- ☐ Maintain Activity Log.
- ☐ Obtain briefing from Finance/Admin Section Chief.
- ☐ Periodically advise Finance/Admin Section Chief of status.
- ☐ Participate in Finance/Admin planning meetings and briefings.
- ☐ Participate in development of Finance/Admin's portion of Incident Action Plan (IAP).
- ☐ Conduct investigations per Incident Commander's (IC) request.
- ☐ Provide skilled negotiators.
- ☐ Communicate to all affected emergency response personnel if work product is declared "Attorney-Client Privilege. "
- ☐ Participate in Post Incident Review (**SECTION 8.3**).

SECTION 5 Last revised: January 2005

INCIDENT PLANNING

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5.1 Documentation Procedures

5.1.1 Incident Action Plan Process and Meetings

Figure 5.1-1 Operational Period Planning Cycle

5.1.1.1 Incident Occurs / Notifications

5.1.1.2 Initial Response and Assessment

5.1.1.3 Unified Command Objectives Meeting

5.1.1.4 Tactics Meeting

5.1.1.5 Planning Meeting

5.1.1.6 Incident Action Plan (IAP) Preparation and Approval

5.1.1.7 Operations Briefing

5.1.1.8 Assess Progress

5.1.1.9 Initial Unified Command Meeting

5.1.1.10 Command Staff Meeting

5.1.1.11 Command and General Staff Breakfast/Supper

5.1.1.12 Business Management Meeting

5.1.1.13 Agency Representative Meeting

5.1.1.14 News Briefing

SECTION 5

INCIDENT PLANNING, CONTINUED

5.2 ICS Forms

5.2.1 Incident Briefing ICS 201-CG

5.2.2 Incident Action Plan (IAP) Cover Sheet

5.2.3 Incident Objectives ICS 202-OS

5.2.4 Organization Assignment List ICS 203-OS

5.2.5 Assignment List ICS 204-OS

5.2.6 Communications Plan ICS 205-OS

5.2.7 Medical Plan ICS 206-OS

5.2.8 Incident Status Summary ICS 209-OS

5.3 Site Safety and Health Plan

Figure 5.3-1 - Site Safety Plan Cover Sheet

Figure 5.3-2 - Preliminary Safety Plan

Figure 5.3-3 - Safety Meeting Log

Figure 5.3-4 - Site Safety and Health Plan

5.4 Decontamination Plan

5.5 Disposal Plan

5.6 Incident Security Plan

5.7 Demobilization Plan

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
- Copies of all logs, contracts, contacts, and plans prepared for incident

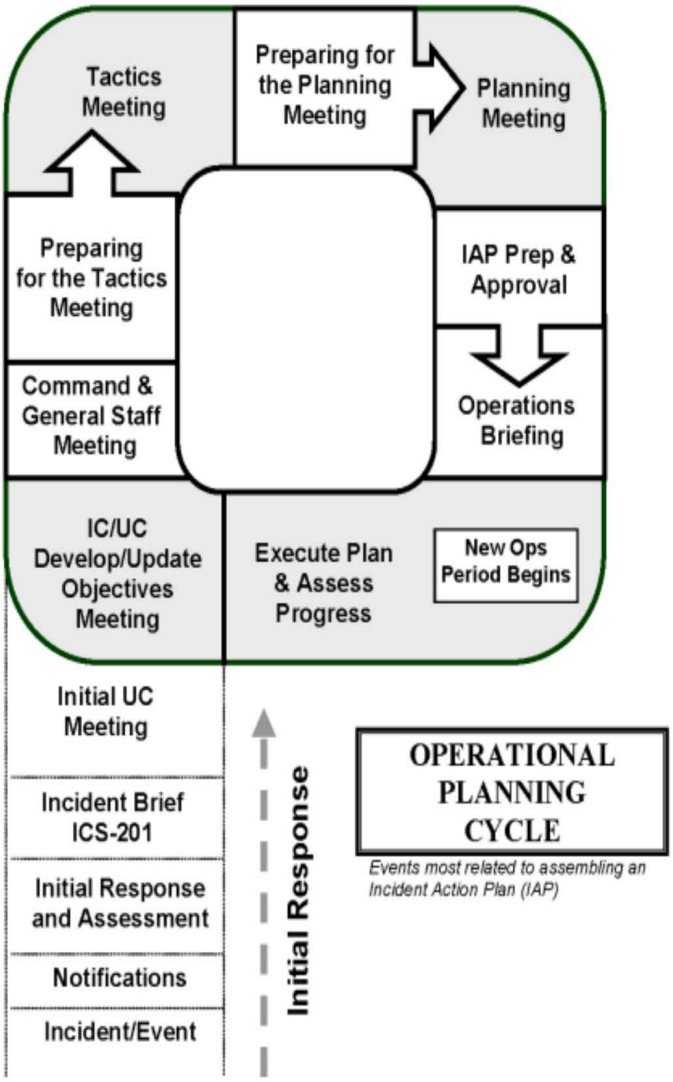
5.1.1 Incident Action Plan Process and Meetings

The period of INITIAL RESPONSE AND ASSESSMENT occurs in all incidents. Short-term responses (small in scope and/or duration, e.g., few resources working one operational period) often can be coordinated using only ICS 201 Briefings.

Longer-term, more complex responses, will likely require a dedicated Planning Section Chief (PSC) who must arrange for transition into the OPERATIONAL PERIOD PLANNING CYCLE. Certain meetings, briefings, and information-gathering during the Cycle lead to the Incident Action Plan (IAP) that guides operations of the next operational period. Only the meetings and events directly relevant to assembling the IAP are described. The IC/UC specifies the operational periods (e.g., 12-hour shifts, sunrise to sunset, 24-hour shifts, etc.).

The SPECIAL PURPOSE meetings are most applicable to larger incidents requiring an OPERATIONAL PERIOD PLANNING CYCLE, but may have utility during INITIAL RESPONSE AND ASSESSMENT. The UNIFIED COMMAND MEETING and other special purpose meetings are briefly noted.

FIGURE 5.1-1 - OPERATIONAL PERIOD PLANNING CYCLE



5.1.1.1 Incident Occurs / Notifications

When an incident occurs, notifications will be made to the appropriate Federal, State, and Local agencies and the initial assessment and response actions will begin.

5.1.1.2 Initial Response and Assessment

INCIDENT BRIEFING (ICS 201)

During the transfer of command process, an ICS 201 formatted briefing provides the incoming IC/UC with basic information regarding the incident situation and the resources allotted to the incident. Most importantly, it is the de facto Incident Action Plan (IAP) for the initial response and remains in force and continues to develop until the response ends or the Planning Section generates the incident's first IAP. It is also suitable for briefing individuals newly assigned to Command and General Staff, as well as needed assessment briefings for the staff.

When: New IC/UC; staff briefing, as required
Briefer: Current IC/UC

Attendees: Prospective IC/UC; Command, and General Staff, as required
Agenda: Using ICS 201 as an outline, included:

1. Situation (note territory, exposures, safety concerns, etc; use map/charts).
2. Objectives and priorities.
3. Strategies and tactics.
4. Current organization.
5. Resource assignments.
6. Resources enroute and/or ordered.
7. Facilities established.

OPERATIONAL PERIOD PLANNING CYCLE
(Events most related to assembling IAP)

5.1.1.3 Unified Command Objectives Meeting

The IC/UC will review/identify and prioritize objectives for the next operational period for the ICS 202 form. Objectives from the previous operational period are reviewed and any new objectives are identified.

When: Prior to Tactics Meeting
Facilitator: UC Member
Attendees: UC Members; Command and General Staff, as appropriate
Agenda:

1. Review/identify objectives for the next operational period (clearly stated and attainable with the resources available, yet flexible enough to allow Operations Section Chief to choose tactics).
2. Review any open agenda items from initial/previous meetings.

5.1.1.4 Tactics Meeting

This 30-45 minute meeting creates the blueprint for tactical deployment during the next operational period. In preparation for the Tactics Meeting, the Planning Section Chief and Operations Section Chief review the current IAP and situation status information, as provided through the Situation Unit, to assess work progress against IAP objectives. The Operations Section Chief/Planning Section Chief will jointly develop primary and alternate strategies to meet objectives for consideration at the next Planning Meeting.

When: Prior to Planning Meeting
Facilitator: Planning Section Chief
Attendees: Planning Section Chief, Operations Section Chief, Logistics Section Chief, Resources Unit Leader, Situation Unit Leader, and Environmental Unit Leader
Agenda:

1. Review the objectives for the next operational period.
2. Develop strategies (primary and alternatives).
3. Prepare a draft of ICS 215 to identify resources that should be ordered through Logistics.

5.1.1.5 Planning Meeting

This meeting defines incident objectives, strategies, and tactics and identifies resource needs for the next operational period. Depending on incident complexity, this meeting should last no longer than 45 minutes. This meeting fine-tunes objectives and priorities, identifies and solves problems, and defines work assignments and responsibilities on a completed ICS Form 215 (Operations Planning Worksheet). Meeting preparations include conducting a Tactics Meeting. Displays in the meeting room should include Objectives (ICS 202) for the next operational period, large sketch maps or charts clearly dated and timed, poster-size Operational Planning Worksheet (ICS 215), current resource inventory prepared by Resources Unit, and current situation status displays prepared by Situation Unit. After the meeting, the ICS 215 is used by the Logistics Section Chief to prepare the off-incident tactical and logistical resource orders, and used by Planning Section Chief to develop IAP assignment lists.

When: After the Tactics Meeting
Facilitator: Planning Section Chief
Attendees: Determined by IC/UC, generally IC/UC, Command Staff, General Staff, Air Operations Section Chief, Resources Unit Leader, Situation Unit Leader, Environmental Unit Leader, and Technical Specialists, as required
Agenda:

5.1.1.5 Planning Meeting, Continued

1. State incident objectives and policy issues. IC/UC
2. Briefing of situation, critical and sensitive areas, weather/sea forecast, resource status/availability. Planning Section Chief w/Situation Unit Leader, Resources Unit Leader
3. State primary and alternative strategies to meet objectives. Operations Section Chief w/Planning Section Chief, Logistics Section Chief
4. Designate Branch, Division, Group boundaries and functions, as appropriate; use maps and ICS 215. Operations Section Chief
5. Specify tactics for each Division, note limitations. Operations Section Chief, Situation Unit Leader assist
6. Specify resources needed by Divisions/Groups. Operations Section Chief, w/Planning Section Chief, Logistics Section Chief
7. Specify operations facilities and reporting locations (plot on map). Operations Section Chief, Logistics Section Chief assist
8. Develop resources, support, and overhead order(s). Planning Section Chief, Logistics Section Chief
9. Consider support issues and agree on plans: communications, traffic, safety, medical, etc. Logistics Section Chief, Planning Section Chief assist
10. Assisting or cooperating agency and stakeholder group considerations regarding Incident Action Plan. Liaison Officer
11. Safety considerations regarding Incident Action Plan. Safety Officer
12. News media/public considerations regarding Incident Action Plan. Information Officer
13. Finalize, approve Incident Action Plan for next operational period. IC/UC

5.1.1.6 Incident Action Plan (IAP) Preparation and Approval

Immediately following the Planning Meeting, the attendees prepare their assignments for the IAP to meet the Planning Section Chief deadline for assembling the IAP components. The deadline will be early enough to permit timely IC/UC approval, and duplication of sufficient copies for the Operations Briefing and for overheads.

When: Immediately following Planning Meeting, Planning Section Chief assigns deadline
Facilitator: Planning Section Chief

Common Components:		Responsible to Prepare
1.	Incident Objectives (ICS 202)	[Resources Unit Leader]
2.	Organization List (ICS 203)	[Resources Unit Leader]
3.	Assignment List (ICS 204)	[Resources Unit Leader/Planning Section Chief]
4.	Communications Plan (ICS 205)	[Communications Unit Leader]
5.	Medical Plan (ICS 205)	[Medical Unit Leader]
6.	Incident Map	[Situation Unit Leader]

Optional Components (use as pertinent):

Optional Components (use as pertinent):		Responsible to Prepare
1.	Air Operations Summary (ICS 220)	[Air Operations Branch Director]
2.	Traffic Plan	[Ground Support Unit Leader]
3.	Demobilization Plan	[Demobilization Unit Leader]

5.1.1.7 Operations Briefing

This less-than-30-minute meeting conveys the IAP for the oncoming shift to the response organization. After this meeting, off-going field supervisors should be interviewed by their reliefs and by Operations Section Chief in order to further confirm or adjust the course of the new shift's IAP. Shifts in tactics may be made by the operations section supervisors. Similarly, a supervisor may reallocate resources within a division or group to adapt to changing conditions.

When: About an hour prior to each shift
Facilitator: Planning Section Chief
Attendees: IC/UC, Command Staff, General Staff, Branch Directors, Division/Group Supervisors, Task Force/Strike Team Leaders (if possible), Unit Leaders, others as appropriate.

Agenda:		Responsible to Present
1.	Review of IC/UC Objectives, changes to IAP.	[Planning Section Chief]
2.	Current response actions and last shift's accomplishments.	[Operations Section Chief]
3.	Weather and sea conditions forecast.	[Situation Unit Leader]
4.	Division/Group and air operations assignment.	[Operations Section Chief]
5.	Trajectory analysis.	[Situation Unit Leader]

6.	Transport, communications, supply updates.	[Logistics Section Chief]
7.	Safety message.	[Safety Officer]
8.	Financial report.	[Finance/Administration Section Chief]
9.	News Media report.	[Information Officer]
10.	Assisting/cooperating organization/agency reports of concern.	[Liaison Officer]
11.	Incident Action Plan endorsement and motivational remarks.	[IC/UC]

5.1.1.8 Assess Progress

The Operations and Planning Sections will review the incident response progress and make recommendations to the IC/UC in preparation for reviewing/identifying objectives for the next operational period. This feedback/information is gathered from various sources, including Field Observers, responder debriefs, stakeholders, etc.

SPECIAL PURPOSE MEETINGS

5.1.1.9 Initial Unified Command Meeting

Provides UC officials with an opportunity to discuss and concur on important issues prior to joint incident action planning. The meeting should be brief, and important points documented. Prior to the meeting, parties should review and prepare to address the agenda items. Planning Meeting participants will use the results of this meeting to guide the response efforts.

5.1.1.9 Initial Unified Command Meeting, Continued

When: When UC is formed, prior to the first operational period Planning Meeting
Facilitator: UC member
Attendees: Only ICs who will comprise UC
Agenda:

1. Identify jurisdictional priorities and objectives.
2. Present jurisdictional limitations, concerns, restrictions.
3. Develop collective set of incident objectives.
4. Establish and agree on acceptable priorities.
5. Adopt an overall strategy to accomplish objectives.
6. Agree on basic organizational structure and size.
7. Designate the best-qualified and acceptable Operations Section Chief.
8. Agree on General Staff personnel designations and planning, logistical, and finance agreements and procedures.
9. Agree on resource ordering procedures.
10. Agree on cost-sharing procedures.
11. Agree on informational matters.
12. Designate a Unified Command spokesperson.

5.1.1.10 Command Staff Meeting

Coordinate Command Staff functions, responsibilities and objectives. It is scheduled as

necessary by the IC/UC. Command Staff (IC/UC, Safety Officer, Liaison Officer, Information Officer) attend.

5.1.1.11 Command and General Staff Breakfast/Supper

An opportunity for the Command (IC/UC, Safety Officer, Liaison Officer, Information Officer) and General Staff (Operations Section Chief, Planning Section Chief, Logistics Section Chief, Finance/Administration Section Chief) to gather under informal and relaxing conditions to share and update each other on developing issues.

5.1.1.12 Business Management Meeting

This under-30-minute meeting is for participants to develop and update the operating plan for finance and logistics support. The agenda could include: finance requirements and criteria imposed by contributing organizations, business operating plan for resource procurement and incident funding, cost analysis and financial summary data. Attendees include: Finance/Administration Section Chief, Cost Unit Leader, Logistics Section Chief, Supply Unit Leader, Demobilization Unit Leader. It is generally conducted before the PLANNING MEETING.

5.1.1.13 Agency Representative Meeting

To update agency representatives and ensure that they can support IAP. Conducted by Liaison Officer, attended by Agency Representatives. Most appropriately held after the PLANNING MEETING in order to announce plans for next operational period, yet allow for changes should the plan's expectations be unattainable by an agency.

5.1.1.14 News Briefing

To brief the news media and public on the most current and accurate incident facts. Set up by the Information Officer, moderated by an appropriate representative, and featuring selected spokespersons. Spokespersons should be prepared by the Information Officer to address anticipated issues. The briefing should be well planned, organized, and scheduled to meet the media's needs.

5.2 ICS FORMS

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

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

- INCIDENT ACTION PLAN

  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, Federal On-Scene Coordinator (FOSC), and State On-Scene Coordinator (SOSC).

  In addition, these Incident Command System (ICS) forms may be found on the U. S. Coast Guard web page: http://www.uscg.mil/pacarea/pm/icsforms/ics.htm

- **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 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.

- ASSIGNMENT LIST - ICS 204

  Submits assignments at the level of Division and Groups.

- COMMUNICATIONS PLAN - 205

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

- MEDICAL PLAN - ICS 206

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

- **INCIDENT STATUS SUMMARY - ICS 209**

  Used to inform personnel about the status of response efforts. It is not included in the IAP.

5.2.1 Incident Briefing ICS 201-CG

1. Incident Name	2. Prepared By: (name) Date: Time:	INCIDENT BRIEFING ICS 201-CG
3. Map/Sketch (Include sketch, showing the total area of operations, the incident site/area, overflight results, trajectories, impacted shorelines, or other graphics depicting situational and response status)		

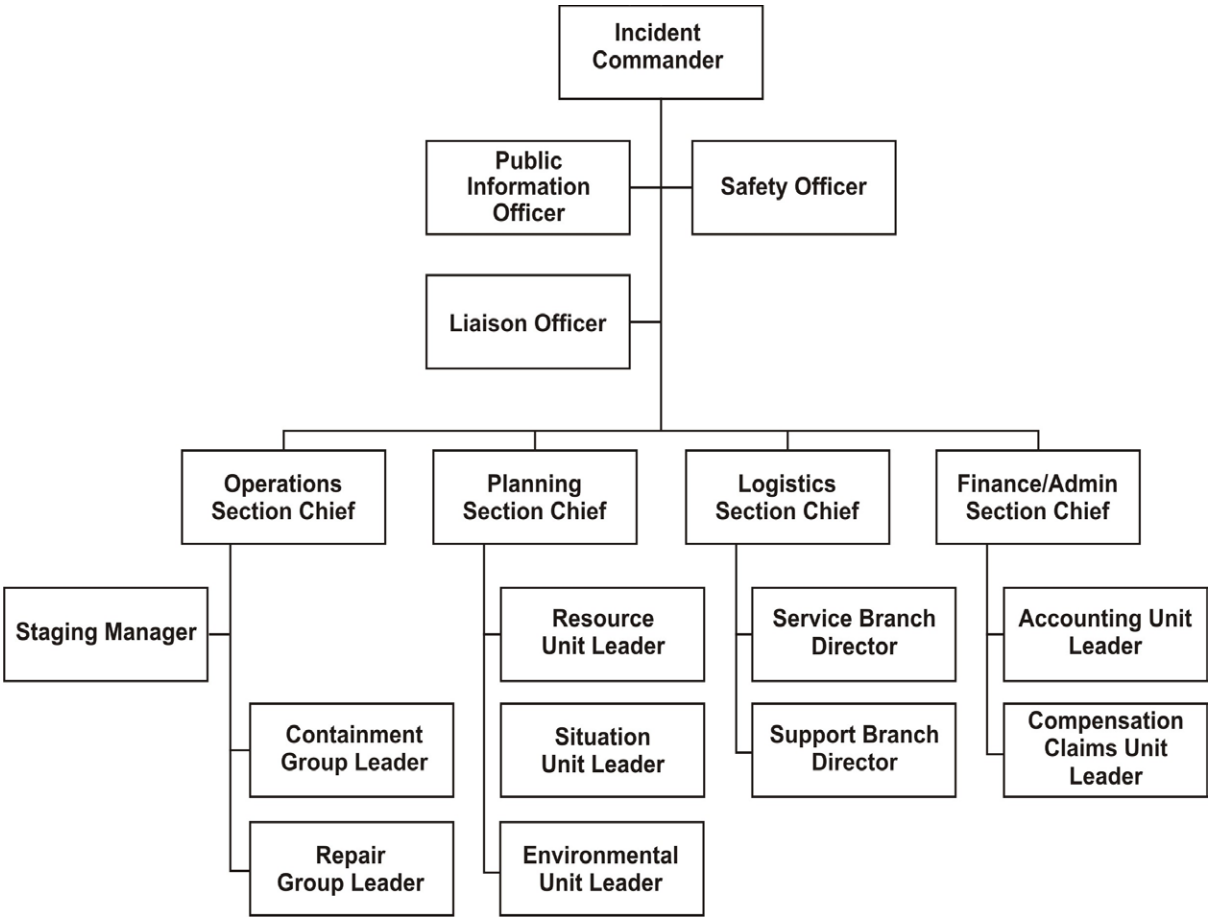
4. Current Situation
INCIDENT BRIEFING ICS 201-CGOS (pg 1 of 4) (Rev 08/04)

5.2.1 Incident Briefing ICS 201-CG, Continued

1. Incident Name	2. Prepared By: (name) Date: Time:	INCIDENT BRIEFING ICS 201-CG
5. Initial Response Objectives, Current Actions, Planned Actions, Potential		

	Date: Time:	ICS 201-CG

6. Current Organization (fill in additional appropriate organization)



INCIDENT BRIEFING	ICS 201-CG (pg 3 of 4) (Rev 08/04)

5.2.1 Incident Briefing ICS 201-CG, Continued

1. Incident Name	2. Prepared By: (name) Date: Time:	INCIDENT BRIEFING ICS 201-CG

7. Resources Summary

Resource	Resource Identifier	Date Time Ordered	ETA	On-Scene (X)	NOTES: (Location/Assignment/Status)

INCIDENT BRIEFING ICS 201-CG (pg 4 of 4) (Rev 08/04)

5.2.2 Incident Action Plan (IAP) Cover Sheet

1. Incident Name	2. Operational Period to be covered by IAP (Date/Time)		IAP COVER SHEET
	From:	To:	

3. Approved by:
FOSC
SOSC
IC

INCIDENT ACTION PLAN

The items checked below are included in this Incident Action Plan:

- ☐ ICS 202-OS (Incident Objectives)
- ☐ ICS 203-OS (Organization Assignment List)
- ☐ ICS 204-OS (Assignment List)
- ☐ ICS 205-OS (Communications Plan)
- ☐ ICS 206-OS (Medical Plan)
- ☐ ICS 209-OS (Incident Status Summary)
- ☐
- ☐
- ☐
- ☐

4. Prepared By: (Planning Section Chief)	**Date/Time:**
IAP COVER SHEET	March, 2000

5.2.3 Incident Objectives ICS 202-OS

1. Incident Name	2. Operational Period (Date/Time) From: To:	INCIDENT OBJECTIVES ICS 202-OS
3. Overall Incident Objective(s)		
4. Objectives for Specified Operational Period		
5. Safety Message for Specified Operational Period Approved Site Safety Plan Located at:		
6. Weather: See Attached Weather Sheet		
7. Tides/Currents: See Attached Tide/Current Data		
8. Time of Sunrise:	**Time of Sunset:**	
9. Attachments (check if attached) ☐ Organization List (ICS 203-OS) ☐ Assignment List (ICS 204-OS) ☐ Communications Plan (ICS 205-OS) ☐ Medical Plan (ICS 206-OS) ☐ Weather		
10. Prepared By: (Planning Section Chief)	**Date/Time:**	
INCIDENT OBJECTIVES March, 2000 ICS 202-OS		

5.2.4 Organization Assignment List ICS 203-OS

1. Incident Name	2. Operational Period (Date/Time) From: To:	ORGANIZATION ASSIGNMENT LIST ICS 203-OS

3. Incident Commander and Staff

	Primary	Deputy
Federal:		
State:		
IC:		

Safety Officer :

Information Officer:

Liaison Officer:

4. Agency Representatives

Agency	Name

5. Planning Section

Chief

Deputy

Resources Unit

Situation Unit

Environmental Unit

Documentation Unit

Demobilization Unit

Technical Specialists

6. Logistics Section

Chief

Deputy

Time Unit

Procurement Unit

Compensation Unit

Cost Unit

a. Support Branch

Director

Supply Unit

Facilities Unit

Transportation Unit

7. Operations Section

Chief

Deputy

a. Branch I - Division/Groups

Branch Director

Deputy

Division / Group

Division / Group

Division / Group

Division / Group

Division / Group

b. Branch II - Division/Groups

Branch Director

Deputy

Division / Group

Division / Group

Division / Group

Division / Group

Division / Group

c. Branch III - Division/Groups

Branch Director

Deputy

Division / Group

Division / Group

Division / Group

Division / Group

Division / Group

d. Air Operations Branch

Air Operations Br. Dir.

Air Tactical Supervisor

Air Support Supervisor

Helicopter Coordinator

Fixed-wing Coordinator

8. Finance Section

Chief

Deputy

Vessel Support Unit		Time Unit	
Ground Support Unit		Procurement Unit	
b. Service Branch		Compensation Unit	
Director		Cost Unit	
Communications Unit			
Medical Unit			
Food Unit			

9. Prepared by: (Resources Unit)	Date/Time	
ORGANIZATION ASSIGNMENT LIST	March, 2000	ICS 203-OS

5.2.5 Assignment List ICS 204-OS

1. Incident Name	2. Operational Period (Date/Time) From: To:	ASSIGNMENT LIST ICS 204-OS
3. Branch	4. Division/Group	

5. Operations Personnel	**Name**	**Affiliation**	**Contact # (s)**
Operations Section Chief:			
Branch Director:			
Division/Croup Supervisor:			

6. Resources Assigned This Period	?X? indicates 204a attachment with special instructions			
Strike Team/Task Force/ Resource Identifier	**Leader**	**Contact Info. #**	**# of Persons**	**Notes/Remarks**

7. Assignments

8. Special Instruction for Division/Group

9. Communications (radio and/or phone contact numbers needed for this assignment)			
Name/Function	**Radio: Freq./System/ Channel**	**Phone**	**Pager**
Emergency Communications			
Medical	Evacuation	Other	
10. Prepared By (Resources Unit Leader)	Date/Time	**11. Approved By** (Planning Section Chief)	Date/Time
ASSIGNMENT LIST	June, 2000		ICS 204-OS

5.2.6 Communications Plan ICS 205-OS

1. Incident Name	2. Operational Period (Date/Time) From: To:	COMMUNICATIONS PLAN ICS 205-OS

3. Basic Radio Channel Use

SYSTEM/CACHE	CHANNEL	FUNCTION	FREQUENCY	ASSIGNMENT	REMARKS

4. Prepared By (Communications Unit)	Date/Time

COMMUNICATIONS PLAN	March, 2000	ICS 205-OS

5.2.7 Medical Plan ICS 206-OS

1. Incident Name	2. Operational Period (Date/Time) From: To:	MEDICAL PLAN ICS 206-OS

3. Medical Aid Stations

Name	Location	Contact #	Paramedics On Site (Y/N)

4. Transportation

Ambulance Service	Address	Contact #	Paramedics On Board (Y/N)

5. Hospitals

Hospital Name	Address	Contact #	Travel Time		Burn Ctr?	Heli-Pad?
			Air	Ground		

6. Special Medical Emergency Procedures

7. Prepared By (Medical Unit Leader)	Date/Time	8. Reviewed By (Safety Officer)	Date/Time

MEDICAL PLAN March, 2000 ICS 206-OS

5.2.8 Incident Status Summary ICS 209-OS

1. Incident Name	**2. Period Covered By Report** From: To:	Time of Report	INCIDENT STATUS SUMMARY ICS 209-OS

3. Spill Status (Estimated, in Barrels) [OPS/EUL/SSC]

Source Status:	Remaining Potential (bbl):
	Rate of Spillage (bbl/hr):

Secured	☐	Unsecured	☐

	Since Last Report	Total
Volume Spilled		
Mass Balance/Oil Budget		
Recovered Oil		
Evaporation		
Natural Dispersion		
Chemical Dispersion		
Burned		
Floating, Contained		
Floating, Uncontained		
Onshore		
Total Spilled Oil Accounted For:		

4. Waste Management (Estimated) **[OPS/Disposal]**

7. Safety Status [Safety Officer]

	Since Last Report	Total
Responder Injury		
Public Injury		

8. Equipment Resources [RUL]

Description	Ordered	Available / Staged	Assigned	Out of Service
Spill Resp. Vsls				
Fishing Vessels				
Tugs				
Barges				
Other Vessels				
Skimmers				
Boom (ft.)				
Sbnt/Snr Bm. (ft.)				
Vacuum Trucks				

	Recovered	Stored	Disposed
Oil (bbl)			
Oily Liquids (bbl)			
Liquids (bbl)			
Oily Solids (tons)			
Solids (tons)			

5. Shoreline Impacts (Estimated, in miles) [PSC/EUL/SSC]

Degree of Oiling	Affected	Cleaned	To Be Cleaned
Light			
Medium			
Heavy			
Total			

6. Wildlife Impacts [OPS/Wildlife Br.]

Numbers in ( ) indicate subtotal that are threatened / endangered species.					Died in Facility	
	Captured	Cleaned	Released	DOA	Euth.	Other
Birds						
Mammals						
Reptiles						
Fish						
Total						

Helicopters				
Fixed Wing				

9. Personnel Resources [RUL]

Description	People in Cmd. Post	People in the Field	Total People On Scene
Federal			
State			
Local			
RP			
Contract Personnel			
Volunteers			
Total Response Personnel From All Organizations:			

10. Special Notes

11. Prepared By (Situation Unit Leader)	Date/Time

INCIDENT STATUS SUMMARY March, 2000 ICS 209-OS

5.3 SITE SAFETY AND HEALTH PLAN

FIGURE 5.3-1 - SITE SAFETY PLAN COVER SHEET

1. Incident Name	2. Operational Period to be covered by SSHP (Date/Time)		SSHP COVER SHEET
	From:	To:	

3. Approved by:

FOSC

SOSC

IC

SITE SAFETY AND HEALTH PLAN

The Preliminary Safety Plan:

The Preliminary Safety Plan (PSP) is based on Form ICS 215A-OS, the Incident Action Plan Safety Analysis. The Company On-Scene Incident Commander or the senior Company responder present at the spill site must ensure that:

- A PSP is completed prior to commencing any work at the spill site.
- The PSP is updated as conditions change, or at least hourly.
- The PSP message is communicated to all responders as conditions change, or at least hourly.

Updating the PSP consists of verifying the site hazards, risks, and risk mitigation. If a complete revision of the PSP is made on a new form, the old form should be retained and the box labeled SUPERSEDED BY REVISED PSP should be checked.

All active or superseded revisions of the PSP, Safety Message Briefings, the Site Safety Plan, and the Medical Plan shall all be maintained together beneath the Site Safety Plan Cover Sheet.

Risk Analysis:

- **Hazard** is an observed danger to life safety. Typical hazards have been identified on the form - add others as appropriate.
- **Risk** is the probability that a hazard will impact responders or the public. Risk is evaluated as None, Med, or High.

Mitigation is a measure to counteract the hazard, such as PPE or evacuation. Consider the suggested measures or take others, as appropriate.

The items checked below are included in this Site Safety Plan:

☐ Preliminary Safety Plan

- ☐ First Version Date / Time _____
- ☐ First Revision Date / Time _____
- ☐ Second Revision Date / Time _____
- ☐ _____ Date / Time _____
- ☐ _____ Date / Time _____

☐ Site Safety Plan Date / Time _____

☐ ICS 206-OS (Medical Plan) Date / Time _____

4. Submitted By:

SSHP COVER SHEET March, 2000

FIGURE 5.3-2 - PRELIMINARY SAFETY PLAN

Click here to view

FIGURE 5.3-2 - PRELIMINARY SAFETY PLAN, CONTINUED

Click here to view

FIGURE 5.3-2 - PRELIMINARY SAFETY PLAN, CONTINUED

Click here to view

FIGURE 5.3-2 - PRELIMINARY SAFETY PLAN, CONTINUED

Click here to view

FIGURE 5.3-3 - SAFETY MEETING LOG

MEETING DATE/TIME:	
NAME	**CELL PHONE NUMBER**
Required Action	**Complete Action By: Name/Date & Time**

FIGURE 5.3-4 - SITE SAFETY AND HEALTH PLAN

PLAN REVIEW:		
Incident Safety Officer:		
APPROVALS:		
Incident Commander:		
Operations Officer:		
Haz Mat Division Officer:		
PLAN PREPARED:	DATE:	TIME:
Incident Location:		
Incident Number:		
HAZARDOUS SITUATION:	(Known or suspected, contaminated media, type storage container, type occupancy, obvious leaks, spills or breaches, physical damage)	
RESPONDING AGENCIES:		
Agency:	Name:	
1.		
2.		
3.		

4.	
5.	
6.	
7.	
8.	
9.	
10.	

FIGURE 5.3-4 - SITE SAFETY AND HEALTH PLAN, CONTINUED

GENERAL SAFETY RULES AND EQUIPMENT:

1. There will be no eating, drinking, or smoking in the exclusion zone or the contamination reduction zone.
2. All personnel must pass through the contamination reduction zone to enter or exit the exclusion zone (hot zone).
3. As a minimum, Decontamination Team members must be in one (1) level of protection lower than that of the entry teams.
4. All decontamination equipment and systems must be in place before an entry can be made.
5. Entry team will consist of a minimum of two members with the same number of personnel assigned to a backup team. All entry personnel will adhere to the buddy system.
6. At the end of the incident, or directly after a possible exposure, each entry team member will take a full body shower and launder any personal clothing used at the scene.
7. All breathing air shall be certified as Grade D or better.
8. Where practical, all tools shall be of the nonsparking type.
9. Fire equipment shall be on hand when the situation warrants such support. At a minimum, fire extinguishers shall be available on scene.
10. Since incident evacuation may be necessary if an explosion, fire, or other event occurs; an individual shall be assigned to sound, alert, and notify the responsible command personnel and public officials (if required). The evacuation signal shall be four short

blasts on an air horn every 30 seconds until all personnel are known to be evacuated.

11. An adequately stocked Emergency Medical Services (EMS) Unit shall be on site at all times.

12. The location and telephone number of the nearest medical facility shall be posted and known to all personnel.

GENERAL SAFETY BRIEFING:

Before any incident actions are taken, a briefing from the Command Staff will be accomplished with all personnel present. Personnel will sign a log sheet, attesting to being present at the briefing. Topics discussed should include known and suspected hazards along with the operation's goals and objectives.

FIGURE 5.3-4 - SITE SAFETY AND HEALTH PLAN, CONTINUED

EMERGENCY ACTION CONDITIONS:

Code Green All conditions are normal and incident work may continue.

Code Red All or specific work activities must cease at once due to one of the following:

- Indications of emissions from the incident such as CGI readings of 25% or greater, less than 19.5% oxygen, or one Mr/Hr of ionizing radiation are present
- Current or projected meteorological data indicates that a probable impact on working conditions could occur
- If background readings obtained during cessation of activities worsen, reassessment of the findings should be confirmed; actions to lower levels of contaminant or contingencies for further incident monitoring must take place
- If this condition exists, incident personnel will immediately notify command staff

Officials making evacuation/public health decisions will address the need for a public health advisory to potentially effected areas. This is because incident control methods may or may not reduce the source of contamination or threat to the general public.

If needed, a temporary sheltering or evacuation plan should be considered until levels of contamination are reduced or contained to levels deemed safe by all responsible authorities. Confirmation of these levels will be done by generally approved monitoring methods agreed to by the authorities in charge.

Sheltering/Evacuation Plan:

Ordered By:

FIGURE 5.3-4 - SITE SAFETY AND HEALTH PLAN, CONTINUED

LIST OF ACCESS AUTHORIZED PERSONNEL (Outside Agencies):

SPECIALIZED TASK ASSIGNMENTS:
LEVELS OF PROTECTION SELECTED:

Initial Site Survey:	A	B	C	D
Entry Team:	A	B	C	D
Backup Team:	A	B	C	D
Decon Team:	A	B	C	D

SKETCH OR ATTACH PLOT PLAN HERE:

FIGURE 5.3-4 - SITE SAFETY AND HEALTH PLAN, CONTINUED

RESPONSE SAFETY CHECK-OFF SHEET

TYPE OF RESPONSE:	
Highway	Industrial
Railway	Marine
Residential	Other
Specify:	
TYPE OF SAFETY PLAN:	
Federal	State
Local	Other
Specify:	
SUSPECTED CHEMICALS INVOLVED:	
1.	2.
3.	4.
5.	6.
7.	8.
9.	10.

INITIAL LEVEL OF PROTECTION: (If level D you must justify)			
A	B	C	D
INITIAL MEDICAL SCREENING COMPLETE: ☐ Yes ☐ No			
If no, justify:			
In the event of fire or explosion:			
In the event of potential or actual ionizing radiation exposure:			

FIGURE 5.3-4 - SITE SAFETY AND HEALTH PLAN, CONTINUED

In the event of spread of contamination beyond the boundaries of the incident:
EMERGENCY SERVICES:
Emergency medical facility:
Ambulance service:
Poison Control Center:
Chemical manufacturer?s representative:
EMERGENCY PROCEDURES (in the event of personnel exposure):
EMERGENCY PROCEDURES (in the event of personnel injury):
HAZARD ASSESSMENT:
Attach Hazardous Materials Safety Data Sheets (MSDS), or other reference materials, for chemicals involved to this document.
MONITORING PROCEDURES:
Monitoring the incident to identify concentration of contaminants in all media. List the instruments to be used and what areas to be monitored.
Hot Zone (Excursion Zone)

Warm Zone (Contamination Reduction Zone)
Cold Zone (Support Zone)

FIGURE 5.3-4 - SITE SAFETY AND HEALTH PLAN, CONTINUED

MEDICAL MONITORING: (What procedures to be used to monitor personnel for evidence of personal exposure.)
PERSONNEL POTENTIALLY EXPOSED TO HAZARDOUS MATERIALS: (Emergency response workers who exhibit signs or symptoms of a hazardous substance exposure during an emergency incident shall be offered medical consultation.)

NAME	POSITION	DATE/TIME

DECONTAMINATION PROCEDURES: (Contaminated personnel, surfaces, materials, instruments, other equipment.)
DECONTAMINATION SOLUTIONS USED:

DISPOSAL PROCEDURES:
Authorized By:

FIGURE 5.3-4 - SITE SAFETY AND HEALTH PLAN, CONTINUED

POST RESPONSE:			
Level of protection used:			
A	B	C	D
Justify			
EQUIPMENT DECONTAMINATION:			

	Clothing	SCBA/Resp.	Monitoring
Disposed:			
Cleaned:			
No Action:			

Specify:		
TOTAL APPROXIMATE TIME IN HOT ZONE:	Days	Hours
DATE PREPARED:	PREPARED BY:	
Reviewed By:		
Assistance in preparing this safety plan can be obtained from Haz Mat personnel.		

FIGURE 5.3-4 - SITE SAFETY AND HEALTH PLAN, CONTINUED

HEALTH AND SAFETY/RESPONSE PLAN

APPLIES TO SITE:

DATE:

PRODUCTS: (ATTACH MSDS)

SITE CHARACTERIZATION

☐ Marine vessel ☐ Pipeline ☐ Storage facility
☐ Truck/Rail car ☐ Other

Water ☐ Shoreline ☐ Wetlands ☐ Other
☐ Rocky ☐ Sandy ☐ Muddy ☐ Other
☐ River ☐ Creek ☐ Canal ☐ Bay ☐ Ocean

Land ☐ Mountains ☐ Hills ☐ Brushland ☐ Forest ☐ Grassland
☐ Other

Use ☐ Public ☐ Government ☐ Residential ☐ Commercial
☐ Recreational ☐ Industrial ☐ Farmland ☐ Other

Weather ☐ Temp _____?F ☐ Wind/Dir. _____ mph ☐ Rain
☐ Snow ☐ Ice ☐ Other

Pathways for Dispersion ☐ Air ☐ Water ☐ Land ☐ Other

Site Hazards

☐ Chemical Hazards
☐ Slips, trips, falls
☐ Heat stress
☐ Cold stress
☐ Weather
☐ Drowning
☐ Heavy equipment
☐ Drum handling
☐ Wildlife/plants
☐ Hand/power tools
☐ Lifting
☐ Boats
☐ Helicopters
☐ Noise
☐ Pumps, hoses
☐ Steam, hot water
☐ Fire/Explosion
☐ Poor visibility
☐ Motor vehicles
☐ Confined spaces (see attachment/appendix)
☐ Ionizing radiation
☐ Other

Air Monitoring			
% LEL	% O_2	PPM Benzene	PPM H_2S

☐ Other (specify)

☐ See attachment - Monitoring Results/Methods

CONTROL MEASURES:

Engineering Controls

☐ Source of release secured ☐ Valve(s) closed ☐ Facility shut down
☐ Site secured
☐ Other

Personal Protective Equipment (PPE) HAZWOPER Coordination with OSRO

☐ PVC suits ☐ PE/TYVEK suits ☐ Respirator
☐ Site secured ☐ PVC gloves ☐ Other
☐ Other ☐ Hard hats ☐ Eye protection

FIGURE 5.3-4 - SITE SAFETY AND HEALTH PLAN, CONTINUED

HEALTH AND SAFETY/RESPONSE PLAN

CONTROL MEASURES (cont'd):

Decontamination

☐ Stations established (see site map)

Sanitation

☐ Facilities provided per OSHA 1910.120(n)

Illumination

☐ Facilities provided per OSHA 1910.120(m)

Medical Surveillance

☐ Facilities provided per OSHA 1910.120(f)

WORK PLAN: (buddy system must be used.)

☐ Booming ☐ Skimmers ☐ Vac. trucks ☐ Pumping ☐ Excavation

☐ Heavy equipment ☐ Sorbent pads ☐ Patching ☐ Hot work ☐ Shoring

☐ Appropriate permits issued

☐ Other (describe):

TRAINING(HAZWOPER training program):

☐ Verified site workers trained per OSHA 1910.120

ORGANIZATION (See Incident Command System chart.):

EMERGENCY PLAN (See site map and Daily Medical Plan - ICS 206.):

SITE SECURITY:

☐ Pre-entry briefing

☐ Security level Low Medium High

☐ Other topics

DATE/TIME/PLAN COMPLETED: By:

FIGURE 5.3-4 - SITE SAFETY AND HEALTH PLAN, CONTINUED

SITE DIAGRAM

GENERAL DIAGRAM INSTRUCTIONS

1. Site Diagram should include the following (label the items drawn with corresponding letter):

   A. Sketch with major feature locations (buildings, drainage paths, roads, etc.)
   B. Hazardous substance location
   C. Work zones (exclusion, contamination reduction, support)
   D. Command center and decontamination
   F. Routes of entry
   G. Wind direction
   H. Emergency evacuation routes
   I. Assembly points
   J. First aid locations
   K. Communication system

area

E. Access and access restrictions

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

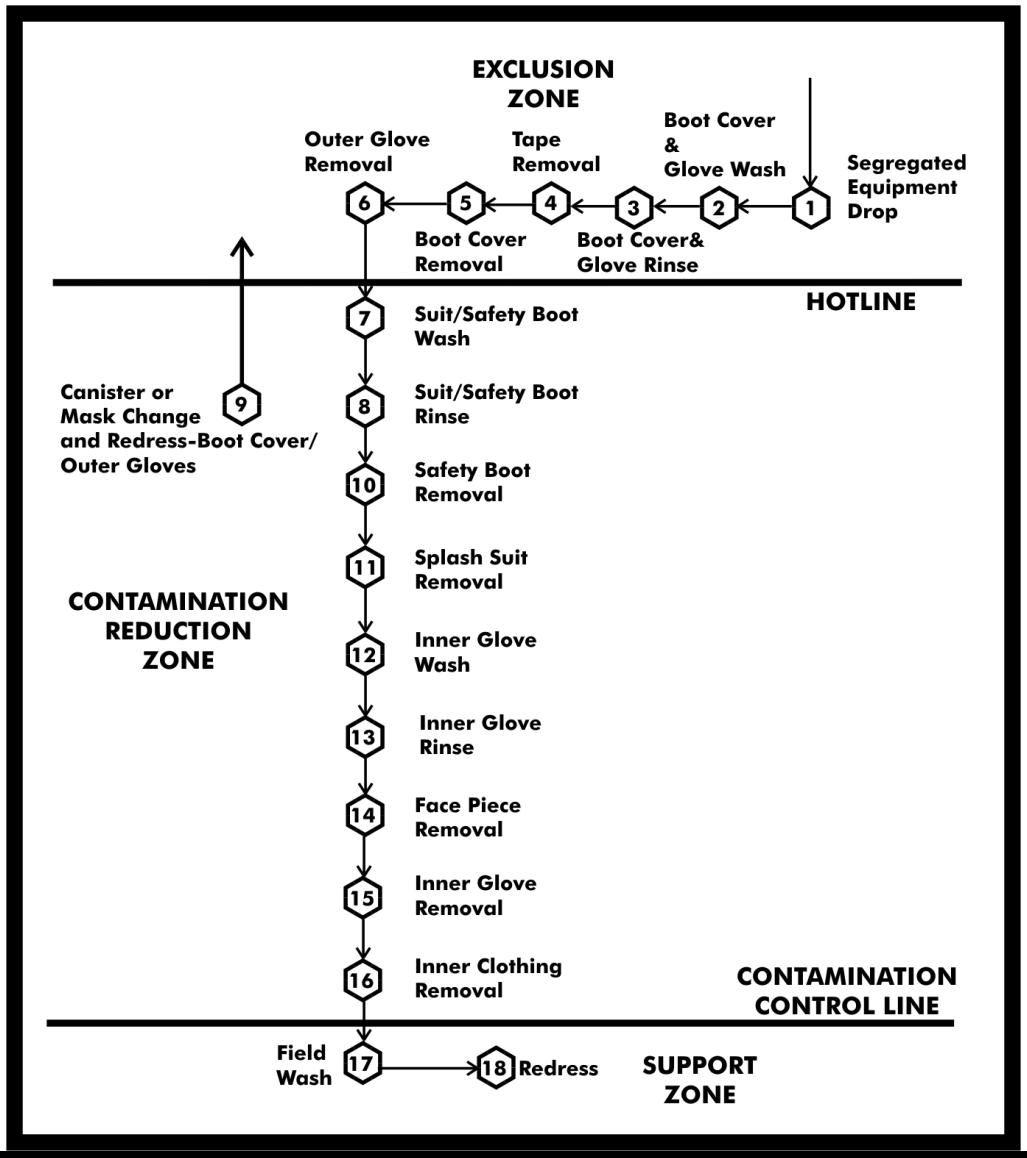
Procedures for these stations are as follows:

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 off decontamination solution from Station 2

	rinse	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.
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



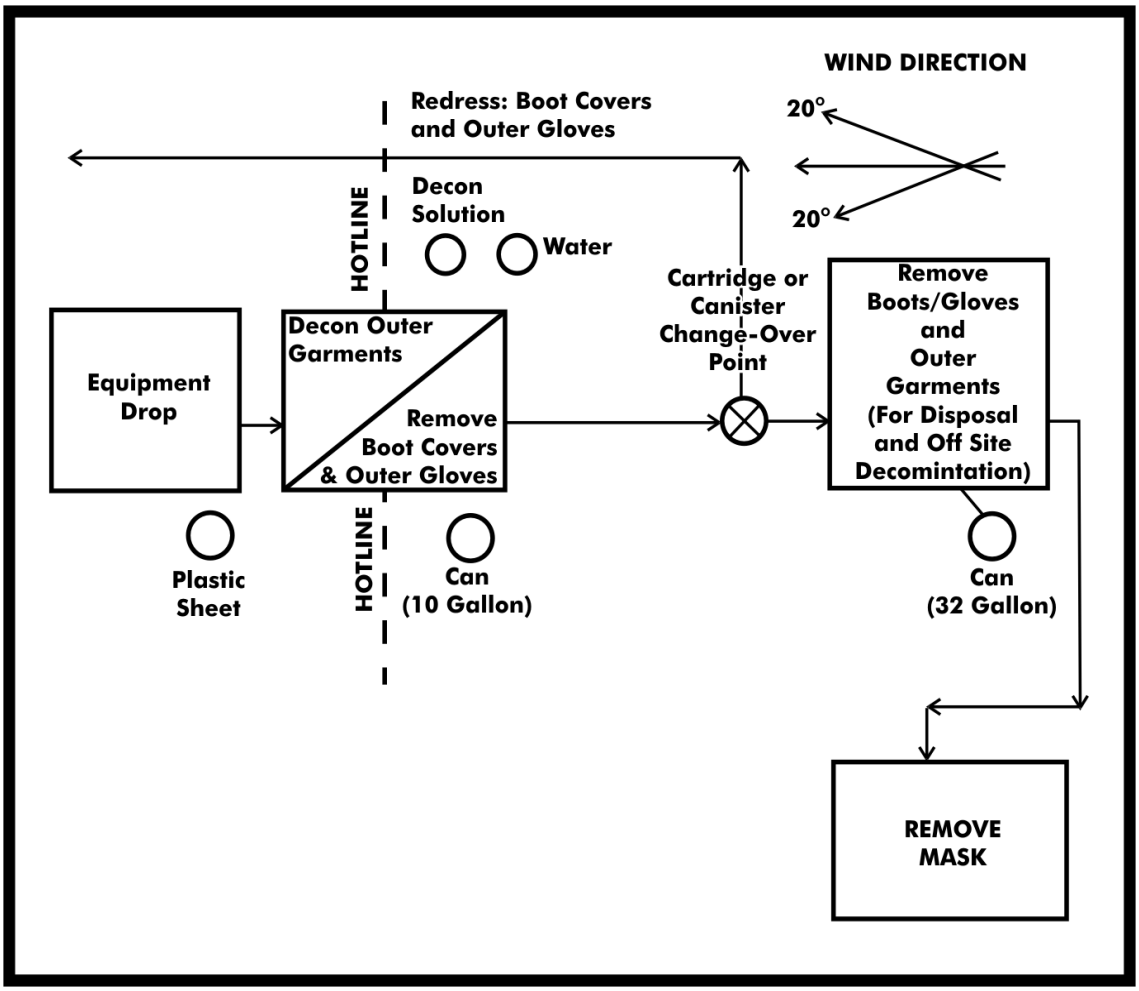
5.4 DECONTAMINATION PLAN, CONTINUED

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



5.5 DISPOSAL PLAN

Date:	Location:
Source of release:	
Amount of release:	
Incident name:	
State On-Scene Coordinator:	
Federal On-Scene Coordinator:	
Time required for temporary storage:	
Proposed storage method:	

Disposal priorities:

Sample date:	Sample ID:
Analysis required (type):	
Laboratory performing analysis:	

Disposal options:

	Available	Likely	Possible	Unlikely
Landfill:				
In situ/ bio-remediation:				
In situ burn:				
Pit burning:				
Hydrocyclone:				
Off site incineration:				
Reclaim:				
Recycle:				

Resources required for disposal options:

General information:

Generator name:	US EPA ID#:
Waste properties:	Waste name:
US EPA waste code:	State waste code:
EPA hazardous waste:	
Waste storage and transportation:	
Proposed storage method:	
Proposed transportation method:	

5.5 DISPOSAL PLAN, CONTINUED

Permits required for storage:
Permits required for transportation:
Estimated storage capacity:
Number and type of storage required:
Local storage available for temporary storage of recovered oil:

PPE required for waste handling:	
Waste coordinator:	Date:

Resources required for disposal options:

Incident name:	
Sample number:	Date sent:
Source of sample:	
Date sample data received:	
Waste hazardous:	Non-hazardous:
Permits/variances requested:	
Approval received on waste profile:	
Date disposal can begin:	
Disposal facilities:	
Profile number:	
Storage contractors:	
Waste transporters:	

PPE designated and agrees with Site Safety and Health Plan:

5.5 DISPOSAL PLAN, CONTINUED

Additional information:
Waste coordinator:

(b) (7)(F)

[redacted]

(b) (7)(F)

[redacted]

(b) (7)(F)

[redacted]

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 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

SECTION 6 Last revised: April 18, 2014

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

Figure 6.2-2 - Response to Oil Spills in Urban Environments

6.3 Sensitive Area Protection

Figure 6.3-1 - Sensitive Area Protection Implement Sequence

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

6.4 Wildlife Protection and Rehabilitation

6.5 Endangered and Threatened Species By State

6.6 Pipeline Map Feature Index

6.7 Pipeline Sensitivity Maps

6.8 Special Access Locations

6.9 Waterway and 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 6.7**.

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. A summary of booming techniques is provided below.

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

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	• 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	• 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

	areas of heavy bird use	sediments are contaminated, oil may persist for years	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	• 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	• 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 interior swamp forests • Oil trapped by boom can be reclaimed through the use of skimmers and

	feeding and breeding activities	forest trees are not exposed; thus, little damage to trees is expected. Any underbrush vegetation, however, would be severely impacted	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 • Sorbents, containment booming, skimming, and vacuum recovery should not be used for gasoline spills unless all available options have been considered and it has been determined that the benefits of containment outweigh the risks; and additionally, until the appropriate safety precautions have been taken (e.g. elimination of ignition sources, control of flammable vapors, and grounding and bonding of recovery equipment) • Cleanup options include physical herding, sorbents, and debris/vegetation removal
Large rivers	• May have varying salinities, meandering channels, and high flow rates • May include	• Fish and migratory birds are of great concern • Under flood conditions, may impact highly	• Booming, skimming, and vacuuming are the preferred cleanup methods • Sorbents, containment booming, skimming, and vacuum recovery should not be used for gasoline spills unless all available options have been

	manmade structures (such as dams and locks) • Water levels vary seasonally • Floods generate high suspended sediment and debris loads	sensitive areas in floodplains • Human usage may be high • When sediments are contaminated, oil may persist for years	considered and it has been determined that the benefits of containment outweigh the risks; and additionally, until the appropriate safety precautions have been taken (e.g. elimination of ignition sources, control of flammable vapors, and grounding and bonding of recovery equipment) • 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 • Bottom sediments near the shore can be soft and muddy • Surrounding area may include wet meadows and marshes	• 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 • Sorbents, containment booming, skimming, and vacuum recovery should not be used for gasoline spills unless all available options have been considered and it has been determined that the benefits of containment outweigh the risks; and additionally, until the appropriate safety precautions have been taken (e.g. elimination of ignition sources, control of flammable vapors, and grounding and bonding of recovery equipment) • 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,	• 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 • Sorbents, containment booming, skimming, and vacuum recovery should not be used for gasoline spills unless all available options have been considered and it has been determined that the benefits of containment outweigh the risks; and additionally, until the appropriate safety precautions have been taken (e.g. elimination of ignition sources,

	and islands • Weathering rates may be slower because spreading and evaporation are restricted		control of flammable vapors, and grounding and bonding of recovery equipment) • Cleanup options include physical herding, natural recovery, debris removal, vegetation removal, and in-situ burn

FIGURE 6.2-2 - RESPONSE TO OIL SPILLS IN URBAN ENVIRONMENTS

APPLICABILITY	DESCRIPTION	RECOMMENDED EQUIPMENT	POTENTIAL ISSUES
Storm Sewers: Spilled product may be able to infiltrate a storm sewer, either directly, via a grate, or indirectly through cracks or gaps in underground pipes.	• Flushing ? Use of high pressure water to move suspended product to a collection area. • Jet-Flushing ? Specialized sewer cleaning equipment to remove suspended product as well as silt and debris.	• Vac Truck • Frac Tank • Jet Flushing Truck • Pumps	• Simple flushing may not be able to remove product that has infiltrated silt or "hung up" in corrugated sides of storm piping. Jet flushing may be required. • Jet flushing may result in accumulation of solid wastes to be managed. Sewer inspection may require confined space entry. • Product may follow the outside of sewer lines. • Sewer system may have to be rerouted during response to eliminate recontamination. • Storm sewers may be part of a combined sewer system (See Sanitary Sewer System). • As part of initial assessment, dye marking may be required along with

			marking manhole covers to identify locations • Collect upstream and downstream water quality samples.
Stormwater Retention Ponds	• Aeration/Sparging ? Use of compressors to inject air into the water to volatize hydrocarbons. • Booming - Using sorbent and/or containment booms to contain and recover petroleum products. • Skimming ? Skimmers may be used depending on concentration of flowing product. • Shoreline Cleanup ? See Shoreline tactics. • Underflow Dams	• Vac Truck • Frac Tank • Compressors • Containment Boom • Sorbent Boom	• Storm water ponds are designed for the temporary storage of storm water. Water conditions may result in the pond overflowing to a storm sewer, to another pond, or to a river. Conditions must be monitored to ensure boom placement matches changing water height.
Sanitary Sewers: Spilled product may be able to infiltrate a sanitary sewer indirectly through cracks or gaps in underground pipes.	• Flushing ? Use of high pressure water to move suspended product to a collection area. • Jet-Flushing ? Specialized sewer cleaning equipment to remove suspended product as well as solids. • Biological/Cleaning Agents ? Specialized cleaning agents used with flushing to remove petroleum products. Helpful bacteria may remain to assist in cleaning any residual petroleum products.	• Vac Truck • Frac Tank • Jet Flushing Truck • Pumps • Cleaning Agent	• Simple flushing may not be able to remove product that has infiltrated solids or "hung up" in high or low spot in piping. Jet flushing may be required. Jet flushing will result in accumulation of solid wastes to be managed. • Sewer system may have to be rerouted upstream of impacted area during response to eliminate recontamination. • Product may follow the outside of sewer lines.

			• Any flushing and recovery will result in accumulation of biological wastes which must be stored and handled separately from other recovered petroleum or contact water. • Municipalities may not allow cleaning agents to be released to their water treatment plants, requiring recovery downstream of the injection point. • As part of the initial assessment, dye marking, manhole marking and air monitoring may be required. • Check residential and business properties for vapors that may have migrated through dry traps. • Permits may be required to discharge treated water.

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 pipeline are provided in SECTION 6.7.

FIGURE 6.3-1 - SENSITIVE AREA PROTECTION IMPLEMENT SEQUENCE

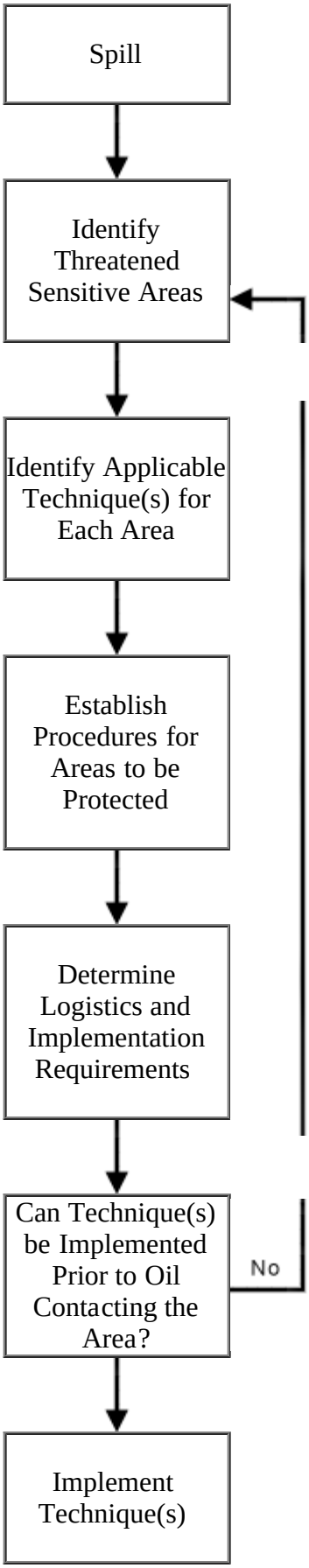

FIGURE 6.3-2 - SUMMARY OF SHORELINE AND TERRESTRIAL CLEANUP TECHNIQUES

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	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	• Sediment disturbance and erosion potential • Trampling of vegetation and organisms

	oil.		shore, secondary treatment method after gross oil removal • Sensitive areas where access is restricted	• Foot traffic can work oil deeper into soft sediments
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 system 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

				POTENTIAL

TECHNIQUE	DESCRIPTION	RECOMMENDED EQUIPMENT	APPLICABILITY	ENVIRONMENTAL EFFECTS
Washing, Continued				
6. Flushing	Water streams at low to moderate pressure, and possibly elevated 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.	Equipment 1-5 50- to 100-gpm/ 100-psi pumping systems with 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	• Substrates, riprap, and solid man-made structures • Oil stranded onshore • Floating oil on shallow intertidal areas	• Can impact clean downgradient 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	Equipment 1,000-2,000 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

	as it leaches from the sediments.			
9. Sediment Tilling	Mechanical equipment or hand tools are used to till lightly to moderately oiled surface sediments to maximize natural degradation processes.	Equipment 1 tractor fitted with tines, dicer, ripper blades, etc. or 1-4 rototillers or 1 set of hand tools Personnel 2-10 workers	• Any sedimentary substrate that can support heavy equipment • Sand and gravel beaches with subsurface oil • Where sediment is stained or lightly oiled • Were oil is stranded above normal high waterline	• Significant amounts of oil can remain on the shoreline for extended 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	• Significant amounts of oil can remain on the shoreline for extended periods of time • Can disturb surface sediments and organisms

			Where other techniques are destructive or ineffective	
11. Log/Debris?? Burning Authorization of in-situ burning is subject to consultation and concurrence from the State and DOI. DOI is notified through the RRT and is provided a limited time to respond. In the event DOI does not respond, RRT can decide to initiate a burn without their concurrence.	Oiled logs, driftwood, vegetation, and 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.	Equipment 1 set of fire control equipment 2-4 fans 1 supply of combustion promoter Personnel 2-4 workers	• On most habitats except dry 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	• Heat may impact local near-surface 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

13. Dispersants (Under no circumstances will any facility personnel who might be involved in an oil spill response, disperse detergents or other surfactants. These products are prohibited from being used on an oil spill in water; such usage requires written approval of the Regional Response Team, consisting of federal and state agency representatives that coordinate oil spill response efforts) To use dispersants, the OSC must receive the approval of the RRT Co-Chair, the RRT representative of the state and the DOI RRT member.	Dispersants are used to reduce 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.	Dispersants Boat or aircraft	• Water bodies with 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	• Use in shallow water could 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 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 3.1-3**
- 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.
- U.S Fish & Wildlife is to be notified and consulted in establishing incident-specific priorities for the protection of the resources provided.

6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
(No common name)	*Geocarpon minimum*	Grazing land	T	Texas
Ambrosia, south Texas	*Ambrosia cheiranthifolia*	Grasslands and various mesquite-dominated shrublands	E	Texas
Amphipod, Noel's	*Gammarus desperatus*	Sinkholes, springs, and associated spring runs and wetland habitats	E	New Mexico
Amphipod, Peck's cave	*Stygobromus (=Stygonectes) pecki*	Subterranean springs	E	Texas
Ayenia, Texas	*Ayenia limitaris*	Dense subtropical woodlands	E	Texas
Bat, lesser long-nosed	*Leptonycteris curasoae yerbabuenae*	Caves, mines	E	New Mexico
Bat, Mexican long-nosed	*Leptonycteris nivalis*	Desert, woodland - mixed	E	New Mexico
Bat, Mexican long-nosed	*Leptonycteris nivalis*	Caves or similar mines and tunnels	E	Texas
Bear, Louisiana black	*Ursus americanus luteolus*	Forest - mixed, woodland	T	Texas
Beetle, American burying	*Nicrophorus americanus*	Cropland/hedgerow	E	Texas

Beetle, Coffin Cave mold	*Batrisodes texanus*	Isolated caves within the Edwards Limestone Formation	E	Texas
Beetle, Comal Springs dryopid	*Stygoparnus comalensis*	Comal Springs	E	Texas
Beetle, Comal Springs riffle	*Heterelmis comalensis*	Gravel substrates and shallow riffles in spring runs	E	Texas
Beetle, Helotes mold	*Batrisodes venyivi*	Cavelike formations of Bexar County, Texas	E	Texas
Beetle, Kretschmarr Cave mold	*Texamaurops reddelli*	Edward's Plateau caves	E	Texas

T - Threatened
E - Endangered

6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Beetle, Tooth Cave ground	*Rhadine persephone*	Karst caves within the Edwards Limestone Formation	E	Texas
Bladderpod, white	*Lesquerella pallida*	Exposed calcareous Weches Formation outcrops	E	Texas
Bladderpod, Zapata	*Lesquerella thamnophila*	Open, evergreen thorn shrublands on gravelly to sandy loams	E	Texas
Cactus, black lace	*Echinocereus reichenbachii var. albertii*	Grassy openings on south Texas rangeland	E	Texas
Cactus, Chisos Mountain hedgehog	*Echinocereus chisoensis var. chisoensis*	Desert grasslands or sparsely vegetated shrublands on gravelly flats and	T	Texas

		terraces		
Cactus, Knowlton	*Pediocactus knowltonii*	Gravelly, dark, sandy loams on slopes or hills	E	New Mexico
Cactus, Kuenzler hedgehog	*Echinocereus fendleri var. kuenzleri*	Gentle, gravelly to rocky slopes and benches on limestone or limy sandstone	E	New Mexico
Cactus, Lee pincushion	*Coryphantha sneedii var. leei*	Limestone ledges and hills	T	New Mexico
Cactus, Lloyd's Mariposa	*Echinomastus mariposensis*	Arid, gravelly, limestone-derived soils on gentle slopes	T	Texas
Cactus, Mesa Verde	*Sclerocactus mesae-verdae*	Gravelly, dark, sandy loams on slopes or hills	T	New Mexico
Cactus, Nellie cory	*Coryphantha minima*	Rock crevices on novaculite outcrops	E	Texas
Cactus, Sneed pincushion	*Coryphantha sneedii var. sneedii*	Grasslands or lechuguilla-sotol shrublands on limestone outcrops and rocky slopes	E	Texas
Cactus, Sneed pincushion	*Coryphantha sneedii var. sneedii*	Grasslands or lechuguilla-sotol shrublands on limestone outcrops and rocky slopes	E	New Mexico
Cactus, star	*Astrophytum asterias*	Sparse, fairly open brushland	E	Texas
Cactus, Tobusch fishhook	*Ancistrocactus tobuschii*	Sparse, fairly open brushland	E	Texas

T - Threatened
E - Endangered

6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE

Cat's-eye, Terlingua Creek	*Cryptantha crassipes*	Low hills and gentle slopes composed of a platy, yellowish limestone	E	Texas
Chub, Chihuahua	*Gila nigrescens*	Flowing pools of shallow of creeks and small rivers in canyons	T	New Mexico
Chub, Gila	*Gila intermedia*	Headwaters of smaller streams cienegas, springs and marshes	E	New Mexico
Cory cactus, bunched	*Coryphantha ramillosa*	Chihuahuan Desert succulent scrub on rocky slopes, ledges, and gravelly flats	T	Texas
Crane, whooping except where EXPN	*Grus americana*	Cropland/hedgerow, grassland/herbaceous	E	Texas
Curlew, Eskimo	*Numenius borealis*	Cropland/hedgerow, grassland/herbaceous, tundra	E	Texas
Darter, fountain	*Etheostoma fonticola*	Springs and spring-fed streams in dense beds of aquatic plants	E	Texas
Dawn-flower, Texas prairie	*Hymenoxys texana*	Poorly drained, sparsely vegetated areas	E	Texas
Dogweed, ashy	*Thymophylla tephroleuca*	Fine sand or sandy-loam soils on level or rolling grasslands often shrub-invaded	E	Texas
Eagle, bald Sonoran Desert DPS	*Haliaeetus leucocephalus*	Coastlines, rivers, lakes, wet prairies, and coastal pine lands	T	Texas
Eagle, bald Sonoran Desert DPS	*Haliaeetus leucocephalus*	Coastlines, rivers, lakes, wet prairies, and coastal pine lands	T	New Mexico
Falcon, northern aplomado	*Falco femoralis septentrionalis*	Open grassland or savannah with scattered trees or shrubs	E	Texas
Ferret, black-footed entire population, except where EXPN	*Mustela nigripes*	Grasslands, steppe, and shrub steppe	E	New Mexico
		Pinyon-juniper		

Fleabane, Zuni	*Erigeron rhizomatus*	woodlands	T	New Mexico
Flycatcher, southwestern willow	*Empidonax traillii extimus*	Streamside thickets, brushy fields, and willows	E	New Mexico

T - Threatened
E - Endangered

6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Flycatcher, southwestern willow	*Empidonax traillii extimus*	Streamside thickets, brushy fields, and willows	E	Texas
Frankenia, Johnston's	*Frankenia johnstonii*	Arid, gravelly, limestone-derived soils on gentle slopes	E	Texas
Frog, Chiricahua leopard	*Rana chiricahuensis*	Pine-oak forests with permanent water ponds	T	New Mexico
Gambusia, Big Bend	*Gambusia gaigei*	Herbaceous wetlands	E	Texas
Gambusia, Clear Creek	*Gambusia heterochir*	Springs and outflow streams	E	Texas
Gambusia, Pecos	*Gambusia nobilis*	Herbaceous wetlands	E	Texas
Gambusia, Pecos	*Gambusia nobilis*	Shallow margins of clear vegetated spring waters	E	New Mexico
Gambusia, San Marcos	*Gambusia georgei*	Herbaceous wetlands	E	Texas
Ground beetle, [unnamed]	*Rhadine exilis*	Burrows, under stones and in damp soil	E	Texas
Ground beetle, [unnamed]	*Rhadine infernalis*	Burrows, under stones and in damp soil	E	Texas
Harvestman, Bee		Karst caves within the		

Creek Cave	*Texella reddelli*	Edwards Limestone Formation	E	Texas
Harvestman, Bone Cave	*Texella reyesi*	Karst caves within the Edwards Limestone Formation	E	Texas
Harvestman, Cokendolpher Cave	*Texella cokendolpheri*	Subterranean obligate	E	Texas
Ipomopsis, Holy Ghost	*Ipomopsis sancti-spiritus*	Roadside and in small woodland clearings	E	New Mexico
Isopod, Socorro	*Thermosphaeroma thermophilus*	Small pools and runs between Sedillo Springs and the abandoned Evergreen bathhouse	E	New Mexico

T - Threatened
E - Endangered

6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Jaguar	*Panthera onca*	Tropical and subtropical forests, mangrove swamps	E	New Mexico
Jaguarundi, Gulf Coast	*Herpailurus (=Felis) yagouaroundi cacomitli*	Tropical and subtropical forests	E	Texas
Ladies'-tresses, Navasota	*Spiranthes parksii*	Narrow band of vegetation called the Post-Oak Savannah	E	Texas
Manatee, West Indian	*Trichechus manatus*	Shallow coastal waters, estuaries, bays, rivers, and lakes	E	Texas
		Tamaulipan		

Manioc, Walker's	*Manihot walkerae*	grassland-thornscrub community	E	Texas
Meshweaver, Braken Bat Cave	*Cicurina venii*	Subterranean obligate	E	Texas
Meshweaver, Government Canyon Bat Cave	*Cicurina vespera*	Subterranean obligate	E	Texas
Meshweaver, Madla's Cave	*Cicurina madla*	Subterranean obligate	E	Texas
Meshweaver, Robber Baron Cave	*Cicurina baronia*	Subterranean obligate	E	Texas
Milk-vetch, Mancos	*Astragalus humillimus*	Sandstone ledges or mesa tops	E	New Mexico
Minnow, Devils River	*Dionda diaboli*	Creek medium river	T	Texas
Minnow, loach	*Tiaroga cobitis*	Flowing, unpolluted creeks, small to medium rivers with low amounts of fine sediment	T	New Mexico
Minnow, Rio Grande silvery Entire, except where listed as an experimental population	*Hybognathus amarus*	Large streams with slow to moderate current over mud, sand, or gravel bottom	E	New Mexico
Oak, Hinckley	*Quercus hinckleyi*	Arid, rocky, limestone-derived soils or limestone outcrops	T	Texas
Ocelot	*Leopardus (=Felis) pardalis*	Forest, wetlands	E	Texas

T - Threatened
E - Endangered

6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Owl, Mexican spotted	*Strix occidentalis*	Forest,	T	Texas

	lucida	woodlands		
Owl, Mexican spotted	*Strix occidentalis lucida*	Forest, woodlands	T	New Mexico
Pennyroyal, Todsen's	*Hedeoma todsenii*	Steep gravelly north- and east-facing hillsides	E	New Mexico
Phlox, Texas trailing	*Phlox nivalis ssp. texensis*	"In fire-maintained openings in upland longleaf pine savannas or	E	Texas
Pikeminnow (=squawfish), Colorado except Salt and Verde R. drainages, AZ	*Ptychocheilus lucius*	Deep turbid strongly flowing water, eddies, runs, flooded bottoms, or backwaters	E	New Mexico
Pitaya, Davis' green	*Echinocereus viridiflorus var. davisii*	Flat hills on a specific substrate rich in quartz sand, in west Texas	E	Texas
Plover, piping except Great Lakes watershed	*Charadrius melodus*	Sandy beaches, islands	T	New Mexico
Plover, piping except Great Lakes watershed	*Charadrius melodus*	Wetlands	T	Texas
Pondweed, Little Aguja (=Creek)	*Potamogeton clystocarpus*	Pools and flowing streams with igneous-derived alluvium.	E	Texas
Poppy, Sacramento prickly	*Argemone pleiacantha ssp. Pinnatisecta*	Loose, gravelly soils, canyon bottoms and slopes	E	New Mexico
Poppy-mallow, Texas	*Callirhoe scabriuscula*	Grasslands, shin oak shrublands, or open oak or mesquite woodlands	E	Texas
Prairie-chicken, Attwater's greater	*Tympanuchus cupido attwateri*	Forest	E	Texas
Pseudoscorpion, Tooth Cave	*Tartarocreagris texana*	Dry caves within the Edwards Limestone Formation	E	Texas
		Spring-marsh		

Pupfish, Comanche Springs	*Cyprinodon elegans*	complex, irrigation canals	E	Texas
Pupfish, Leon Springs	*Cyprinodon bovinus*	Spring-marsh complex, irrigation canals	E	Texas

T - Threatened
E - Endangered

6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Rattlesnake, New Mexican ridge-nosed	*Crotalus willardi obscurus*	Cave, mines, and rocks	T	New Mexico
Rush-pea, slender	*Hoffmannseggia tenella*	Sparsely vegetated openings within bluestem-sacahuista grasslands	E	Texas
Salamander, Barton Springs	*Eurycea sosorum*	Aquatic, rubble in the spring outflow at Barton Springs	E	Texas
Salamander, San Marcos	*Eurycea nana*	Clear spring water coming from the headwaters of the San Marcos River	T	Texas
Salamander, Texas blind	*Typhlomolge rathbuni*	Subterranean streams of the Purgatory Creek system	E	Texas
Sand-verbena, large-fruited	*Abronia macrocarpa*	Deep, well-drained sands	E	Texas
Sawfish, smalltooth	*Pristis pectinata*	Shallow coastal waters of tropical seas and estuaries; sheltered bays, on shallow banks, and in estuaries or river	E	Texas

		mouths		
Sea turtle, green except where endangered	*Chelonia mydas*	Coasts, open sea	T	Texas
Sea turtle, loggerhead	*Caretta caretta*	Estuaries, coastal streams and salt marshes	T	Texas
Shiner, Arkansas River Arkansas R. Basin	*Notropis girardi*	Unshaded channels of creeks and small to large rivers	T	Texas
Shiner, Arkansas River Arkansas R. Basin	*Notropis girardi*	Unshaded channels of creeks and small to large rivers	T	New Mexico
Shiner, beautiful	*Cyprinella formosa*	Small streams or pools of creeks	T	New Mexico
Shiner, Pecos bluntnose	*Notropis simus pecosensis*	Small streams or pools	T	New Mexico
Snail, Pecos assiminea	*Assiminea pecos*	Permanent, flowing, unpolluted, fresh to moderately saline water; Moist or saturated soil at stream or spring run margins with native vegetation growing in or adapted to aquatic or very wet environment, such as salt grass or sedges; and Stable water levels with natural diurnal and seasonal variation	E	New Mexico
Snail, Pecos		Permanent, flowing, unpolluted, fresh to moderately saline water; Moist or saturated soil at stream or spring run margins with native vegetation		

assiminea	*Assiminea pecos*	growing in or adapted to aquatic or very wet environment, such as salt grass or sedges; and Stable water levels with natural diurnal and seasonal variation	E	Texas

T - Threatened
E - Endangered

6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Snake, Concho water	*Nerodia paucimaculata*	Bare rock/talus/scree	T	Texas
Snowbells, Texas	*Styrax texanus*	Praries and pastures	E	Texas
Spider, Government Canyon Bat Cave	*Neoleptoneta microps*	Subterranean obligate	E	Texas
Spider,Tooth Cave	*Leptoneta myopica*	Subterranean obligate	E	Texas
Spikedace	*Meda fulgida*	Permanent, flowing, unpolluted water of low gradient streams	T	New Mexico
Springsnail, Alamosa	*Tryonia alamosae*	Gravel and sand substrate	E	New Mexico
Springsnail, Koster's	*Juturnia kosteri*	Springs, seeps, sinkholes, and outflows	E	New Mexico
Springsnail, Roswell	*Pyrgulopsis roswellensis*	Springs, seeps, sinkholes, and outflows	E	New Mexico
Springsnail, Socorro	*Pyrgulopsis neomexicana*	Spring/brook	E	New Mexico
Sucker, razorback	*Xyrauchen texanus*	Slow areas, backwaters, and eddies of	E	New Mexico

entire		medium to large rivers		
Sunflower, Pecos (=puzzle, =paradox)	*Helianthus paradoxus*	Desert wetlands	T	Texas
Sunflower, Pecos (=puzzle, =paradox)	*Helianthus paradoxus*	Desert wetlands	T	New Mexico
Tern, least interior pop.	*Sterna antillarum*	Open sandy or gravelly beach, dredge spoil and other open shoreline areas	E	New Mexico
Tern, least interior pop.	*Sterna antillarum*	Open sandy or gravelly beach, dredge spoil and other open shoreline areas	E	Texas
Thistle, Sacramento Mountains	*Cirsium vinaceum*	Moist banks of streams, wet meadows, and other moist areas	T	New Mexico

T - Threatened
E - Endangered

6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Toad, Houston	*Bufo houstonensis*	Soft sandy soils; pine forest, mixed deciduous forest	E	Texas
Topminnow, Gila (incl. Yaqui) U.S.A. only	*Poeciliopsis occidentalis*	Upland streams of desert and grasslands	E	New Mexico
Trout, Gila	*Oncorhynchus gilae*	Cold mountain streams	T	New Mexico
Vireo, black-capped	*Vireo atricapillus*	Shrubland/chaparral	E	Texas
Warbler (=wood), golden-cheeked	*Dendroica chrysoparia*	Woodlands with tall Ashe juniper, oaks, and other hardwood trees	E	Texas
Wild-buckwheat, gypsum	*Eriogonum gypsophilum*	Open, gypsum in grama grassland	T	New Mexico

Wild-rice, Texas	*Zizania texana*	Gravelly, sandy to silty clays in relatively shallow water	E	Texas
Wolf, gray Lower 48 States, except where delisted and where EXPN. Mexico	*Canis lupus*	Mixed, grassland/herbaceous	E	New Mexico
Woodpecker, red-cockaded	*Picoides borealis*	Open pine forests with large, widely-spaced older trees	E	Texas
Woundfin except Gila R. drainage, AZ, NM	*Plagopterus argentissimus*	Swift, highly turpid, extremely warm, small to medium rivers	E	New Mexico

T - Threatened
E - Endangered

6.6 PIPELINE MAP FEATURE INDEX

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6.9 Waterway and Tactical Sites

Waterway Overview

Lake Conroe Waterway Overview
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Tactical Sites

Lake Conroe
(Click here for)

SECTION 7 Last revised: November 2, 2012

SUSTAINED RESPONSE ACTIONS

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7.1 Response Resources

7.1.1 Response Equipment

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7.1.2 Response Equipment Inspection and Maintenance

7.1.3 Contractors, Contractor Equipment, and Labor

7.1.4 Command Post

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7.1.5 Staging Area

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7.3.2 Waste Transfer

7.3.3 Waste Disposal

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7.4 Public Affairs

Figure 7.4-1 - Incident Fact Sheet

7.1 RESPONSE RESOURCES

7.1.1 Response Equipment

CATEGORY	TYPE/MODEL	QUANTITY	SIZE	YEAR PURCHASED	OPERATIONAL STATUS/ CONTAINMENT CAPACITY	LOCATION AT FACILITY

***Note:** Response equipment is tested and deployed as described in **APPENDIX A** of the Spill Response Plan. Response equipment not included in the above table is not maintained at this facility for response (i.e. weirs, booms, etc.). Containment capacity for sorbents is equivalent to absorption capacity.

***Note:** The response resources listed above have been determined to be appropriate for this facility given the unique characteristics of the facility which may include flow paths, proximity to spill contractors, and natural and man-made tertiary containment. The analysis to determine the appropriate response resources, including functional equivalents of containment boom, is explained in the Discharge Scenarios in **APPENDIX D.5.1.**

FIGURE 7.1-1 - EQUIPMENT/RESPONSE CAPABILITIES AND LIMITATIONS

* USCG Classified OSRO for facility

COMPANY/CONTRACTOR	EQUIPMENT	RESPONSE TIME
*SWS (OSRO 247) Fort Worth, TX	Full response capabilities	0 hours
*United States Environmental Services (USES)(USCG OSRO 38) New Orleans, LA	Full Response Capability	0 hours
*Clean Channel Association Pasadena, TX	Full response capabilities	0 hours
*Environmental Safety & Health Consulting Services Houma, LA	Full Response Capability	0 hours
*Anderson Pollution Control Conroe, Texas	Full service OSRO	0 hours
T&L Lease Service Alvin, Texas Construction, Excavation Alvin, Texas	Heavy equipment, some spill response equipment	1 hours
*TAS Environmental Fort Worth, TX	Full Response Capabilities	2 hours

*A-Clean Environment Wilson, OK	Full response capabilities	3.25 hours
*Acme Products Co. Tulsa, OK	Full response capabilities	3.5 hours
Eco-logical Environmental Services, Inc. Amarillo, TX	Response personnel; containment and recovery equipment	8 hours
*Garner Environmental Services Inc. Deer Park, TX	Full response capabilities	8 hours
*OMI Environmental Solutions (formerly Oil Mop LLC) Pasadena, TX	Full response capabilities	8 hours
Viva Environmental El Paso Office El Paso , TX	Response personnel; containment and recovery equipment	12 hours

7.1.2 Response Equipment Inspection and Maintenance

Depending on the region, Company response resources consist of:

- Strategically located response trailers containing primarily safety and emergency response equipment
- Facility based equipment designed for releases at or near facilities.

In general, regional response contractors as well as one or more trailers can be mobilized to any location along the pipeline within six to 12 hours to meet the federal Tier 1 response planning requirements. Vacuum truck contractors can also respond to most locations along the pipeline system within six hours and multiple regional response contractors can respond to any location within 30 to 36 hours to meet the Tier 2 and Tier 3 response requirements.

Company response equipment is tested and inspected as noted below. The Manager of Operations is responsible for ensuring that the following response equipment and testing procedures are implemented. These consist of:

Containment boom During boom deployment exercises, boom will be inspected for signs of structural deficiencies. If tears in fabric or rotting is observed, boom will be repaired or replaced. In addition, end connectors will be inspected for evidence of corrosion. If severe corrosion is detected, equipment will be repaired or replaced.

Miscellaneous equipment Other response equipment identified in this Plan will be inventoried and tested on a semiannual basis to ensure that the stated quantities are in inventory and in proper working order. The equipment inspection and deployment exercises are recorded and maintained at the facility and retained for a period of five years. Exercise requirements are listed in **APPENDIX A**. A

Spill/Exercise Documentation form is in **FIGURE A.1-3**. **FIGURE A.1-4** provides a log for response equipment testing and deployment drills.

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 worst case discharge or the substantial threat of such discharge
- Contractors without USCG classification deploy and inspect boom to meet PREP guidelines. Company requires that these exercises are completed annually
- **APPENDIX B** contains evidence of contracts for the Company's primary response contractors and equipment lists of contractors without USCG classification

7.1.4 Command Post

In the event of a major spill, both an off-site Emergency Operations Center (EOC) and a 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
- 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
- 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:

22 land-line phones
53 cellular phones
35 two-way radios
11 fax machines
36 computers

Additional communications equipment (VHF portable radios with chargers and accessories, command post with UHF, VHF, single sideband, marine, aeronautical, telephone, and hard-line capability) may be provided by the Company or leased from a communications company in the area. Communications with government agencies, state police, and contractors can be conducted on portable radios. Refer to **FIGURE 7.1-3** for guidelines to setup 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 may also 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	DATE/TIME

		STARTED	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.

7.2 SITE SECURITY MEASURES

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FIGURE 7.2-1 - SITE SECURITY CHECKLIST

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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
- 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
- Notify and inform State Environmental Agency and local agencies

- 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
- 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
- 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
- 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

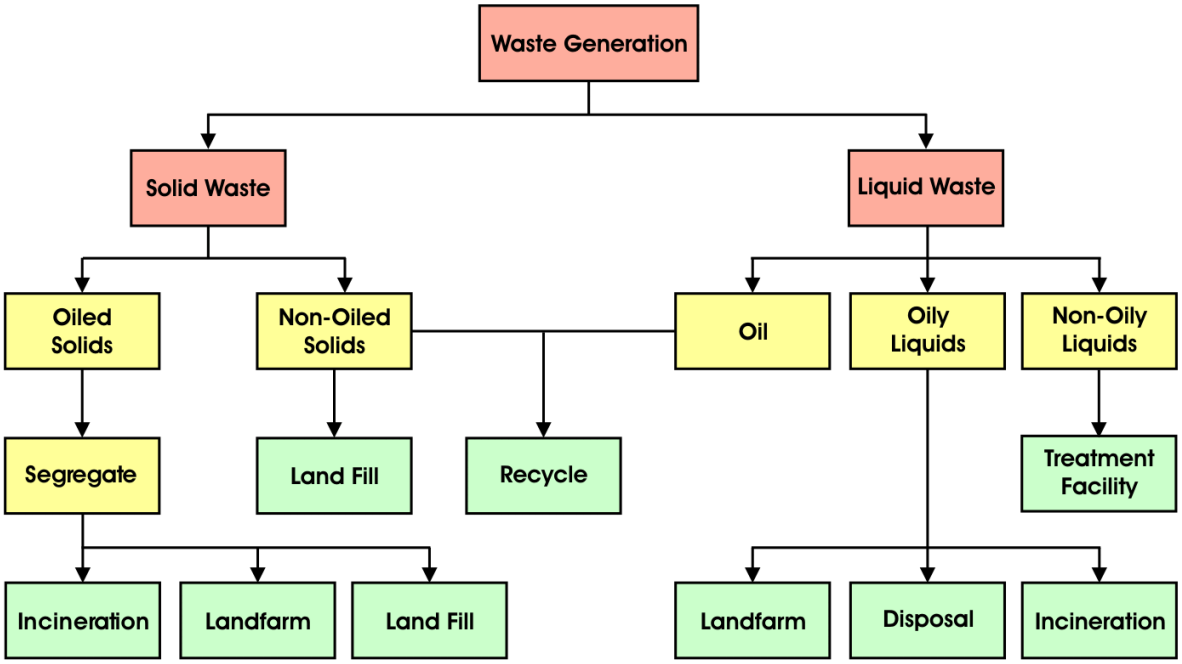

FIGURE 7.3-2 - GENERAL WASTE CONTAINMENT AND DISPOSAL CHECKLIST

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?	
Have State Environmental and local agencies been notified?	
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 Waste 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.

Use of any site for storage is dependent on the approval of local authorities. The following elements affect the choice of a potential storage site:

- Geology
- Soil
- Surface water
- Covered materials
- Climatic factor
- Toxic air emissions
- Access
- Ground water
- Flooding
- Slope
- Capacity
- Land use
- Security
- Public contact

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 gal-1,500 gal

7.3.2 Waste Transfer

In most oil spill response operations, it would be necessary to transfer recovered oil and oil debris from one point to another several times before the oil and oily debris are ultimately disposed of at a state approved disposal site. Depending on the location of response operations, any or all of the following transfer operations may occur.

- Directly into the storage tank of a vacuum device.
- Directly in to impermeable bags that, in turn, are placed in impermeable containers.
- From a vacuum device storage tank to a truck.
- From containers to trucks.
- From trucks to lined pits.
- From lined pits to incinerators and/or landfills.
- From a tank truck to a processing system (i.e., oil/water separator).
- From a processing system to a recovery system and or incinerator.
- From a skimming vessel or flexible bladder to a barge.
- From a barge to a tank truck.
- Directly into the storage tank on a dredge.
- From portable or vessel mounted skimmers into flexible bladder tanks, the storage tanks

of the skimming vessel itself, or a barge.

There are four general classes of transfer systems that could be employed to effect oily waste transfer operations. The following is a brief description of the four transfer systems:

Pumps
Rotary pumps, such as centrifugal pumps, may be used when transferring large volumes of oil, but they may not be appropriate for pumping mixtures of oil and water. The extreme shearing action of centrifugal pumps tends to emulsify oil and water, thereby increasing the viscosity of the mixture and causing low, inefficient transfer rates.

The resultant emulsion would also be more difficult to separate into oil and water fractions. Lobe or "positive displacement" pumps work well on heavy, viscous oils, and do not emulsify the oil/water mixture. Double-acting piston and double acting diaphragm pumps are reciprocating pumps that may also be used to pump oily wastes.

Vacuum Systems
Vacuum systems, such as air conveyors, vacuum trucks and portable vacuum units, may be used to transfer viscous oils and debris but they usually pick up a very high water/oil ratio.

Belt/Screw Conveyors
Conveyor may be used to transfer oily wastes containing a large amount of debris. These systems can transfer weathered debris laden oil either horizontally or vertically for short distances but are bulky and difficult to operate.

Wheeled Vehicles
Wheeled vehicles may be used to transfer liquid waste of oily debris to storage or disposal sites. These vehicles are readily available but have a limited rate (i.e., 100 bbls) and require good site access.

7.3.3 Waste Disposal

In order to obtain the best overall Incident Disposal Plan, a combination of methods should be used. There is no template or combination of methods that can be used in every spill situation. Each incident should be reviewed carefully to ensure an appropriate combination of disposal techniques are employed.

The Company is permitted, and maintains said permits (i.e., Department of Transportation), to recover and transport recovered liquids (water, petroleum). The Company uses contractors who maintain permits for transportation of recovered liquids and spill debris.

The following is a brief description of some disposal techniques available for recovered oil and oily debris.

Recycling
Recycling involves processing discarded materials for another use.

Incineration
This technique entails the destruction of the recovered oil by high temperature thermal oxidation reactions. There are licensed incineration facilities as well as portable incinerators that may be brought to a spill site. Incineration may require the approval of the local Air Pollution Control Authority.

In Situ Burning/Open Burning
Burning techniques entail igniting oil or oiled debris allowing it to burn under ambient conditions. These disposal techniques are subject to restrictions and permit requirements established by federal, state, and local laws. Permission for in situ burning may be difficult to obtain when the burn takes place near populated areas.

As a general rule, in situ burning would be appropriate only when atmospheric conditions will allow the smoke to rise several hundred feet and rapidly dissipate. Smoke from burning oil will normally rise until its temperature drops to equal the ambient temperature. Afterwards, it will travel in a horizontal direction under the influence of prevailing winds.

Landfill Disposal
This technique entails burying the recovered oil in a approved landfill in accordance with regulatory procedures. Landfill disposal of free liquids is prohibited by federal law in the United States.

FIGURE 7.3-4 - FACILITY SPECIFIC DISPOSAL PLAN

MATERIAL	DISPOSAL FACILITY	LOCATION
Recovered Product	BFI BFI Pro-Waste Charter Landfill	Anahuac, Tx Houston, Tx Baytown, Tx Odessa, Tx La Porte, TX 77571
Contaminated Soil	BFI BFI Pro-Waste Charter Landfill	Anahuac, Tx Houston, Tx Baytown, Tx Odessa, Tx
Contaminated Equipment	BFI BFI Pro-Waste Charter Landfill	Anahuac, Tx Houston, Tx Baytown, Tx Odessa, Tx
Personnel Protective Equipment	BFI BFI Pro-Waste Charter Landfill	Anahuac, Tx Houston, Tx Baytown, Tx Odessa, Tx
Decontamination Solutions	Nearest MPC facility	Nearest MPC Facility
Adsorbents and Spent Chemicals	BFI BFI Pro-Waste Charter Landfill	Anahuac, Tx Houston, Tx Baytown, Tx Odessa, Tx

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
- 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
- Number of injured or killed, if known
- 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
- 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
- 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

Other considerations, continued:

- 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 - INCIDENT FACT SHEET

What occurred:
When (time):
Where (location):
What are hazards:
How is the situation being handled:
How many people involved:
Confirmed injuries/fatalities:
Treatment location:
Name of injured (release only after next of kin are notified):
Name of fatalities (release only after next of kin are notified):

What agencies have been notified:
On scene? (yes/no):
Who is in-charge:
Has outside help been requested:
Who:
On scene? (yes/no):
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:
Is there a need for evacuation:

SECTION 8 Last revised: January 2005

DEMOBILIZATION / POST-INCIDENT REVIEW

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8.1 Terminating the Response

8.2 Demobilization

Figure 8.2-1 - Demobilization Checklist

8.3 After Action Review

Figure 8.3-1 - Standard Incident Debriefing Form

8.3.1 After Action Review Guidelines

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
- For Large Quantity Generators of hazardous waste, the following requirements apply to any spill of hazardous waste that requires implementing the Contingency Plan (reference Figure E-3 ? EPA/RCRA Cross Reference, 40 CFR 265.56(h), (i), (j)):

    1. Emergency Coordinator must ensure that, in the affected area(s) of the facility: 1) No waste that may be incompatible with the release material is treated, stored, or disposed of until cleanup procedures are completed; and 2) All emergency equipment listed in the Contingency Plan is cleaned and fit for its intended use before operations are resumed.
    2. The owner or operator must notify the Regional Administrator, and appropriate State and local authorities, that the facility is in compliance with the above mentioned requirements (40 CFR 265.56(h)) before operations are resumed in the affected area(s) of the facility
    3. Submit a written report within 15 days after the spill to the Regional Administrator (40 CFR 265.56(j))

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 AFTER ACTION REVIEW

All facility personnel involved in the incident shall be debriefed by the Company Incident Commander. A Standard Incident Debriefing Form is provided in **FIGURE 8.3-1**. This form should be completed by the Incident Commander, and all members of the ICS Command Staff and General Staff involved in the incident within two weeks after termination of emergency operations.

The primary purpose of the After Action Review is to identify actual or potential deficiencies in this Plan and to determine the changes required to correct the deficiencies. The After Action Review is also intended to identify which response procedures, equipment, and techniques were or were not effective and the reasons why or why not. 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.

The After Action Review process should also be used for evaluating training and exercises. Key agency personnel that were involved in the response will be invited to attend the After Action Review.

FIGURE 8.3-1 - STANDARD INCIDENT DEBRIEFING FORM

Name of incident:
Date:
PERSONNEL DEBRIEFED
Name:
Normal duty:

Summary of duties performed during incident (list date, time, and location):
Positive aspects of the response:
Aspects of the response which could be improved:
Name:
Title:
Signature:

8.3.1 After Action Review Guidelines

1. **Purpose.** The purpose of this document is to provide guidance on the conduct of after-action reviews or AARs.

2. **Overview.** To improve the effectiveness of our operations, we must continuously

improve and learn from both our successes and failures. AARs are effective means to this end. Fundamental to the success of an AAR is the spirit in which it is conducted. Incident Commanders and ICS Staff should openly and honestly discuss what actually transpired in sufficient detail and clarity so that everyone understands what happened and why, and then implement process improvements.

3. **Definition and Purpose of the AAR.** A professional discussion of an event focused on improving the performance of the organization or team. The heart of the AAR is identifying what was supposed to happen, what actually happened, why it happened, and how to sustain strengths and improve weaknesses. An AAR is not a critique, problem solving, or allocating blame. Feedback generated during the AAR process compares the actual output of a process with the expected outcome.

4. **Formal versus Informal AARs.** AARs are either formal or informal. Both follow the same general format and involve the exchange of observations and ideas. Both types should be appropriately documented so lessons learned may be shared across functional and geographic boundaries, and so that implementation of improvements can be tracked.

    a. A formal AAR is more structured, requires planning and takes longer to conduct. The formal AAR usually occurs immediately or soon after an event is completed. It may also occur while the event is in-progress. A neutral third party should facilitate a formal AAR.

    b. Informal AARs are less structured, require much less preparation and planning and can be conducted anywhere, anytime, for any event, by anyone. Incident Commanders, Section Leaders, Safety Officers or other interested parties may facilitate their own informal AARs.

5. **Agenda for an AAR.** Formal AARs will follow this simple format:

    - Introduction and ground rules
    - Analysis of the Incident according to the 15 National Preparedness for Response (PREP) Response Plan Core Components (**FIGURE A.1-1**):

      For each PREP Core Component:

      - What was supposed to happen?
      - What actually happened?
      - Why did it happen that way?
      - What will we do to improve the way we do it next time?

    - Closing comments and agreement on next steps

8.3.1 After Action Review Guidelines, Continued

6. **AAR Planning and Execution Sequence.** Schedule AARs as close to the completion of the event as possible. The amount of planning and preparation required for an AAR will vary based on the type of AAR conducted; however, the process for both informal and formal AARs has three steps:

Planning and Preparation:

- Schedule the AAR
- Select a facilitator
- Notify participants
- Establish the AAR agenda

Conduct:

- Seek maximum participation
- Maintain focus on AAR objectives
- Review key points learned
- Record the AAR and maintain accurate meeting attendance list

Follow up:

- Prepare an After Action Review Report (memorandum or e-mail), and distribute the report to all participants
- Consider publishing lessons learned to the entire Company
- Develop action plan to resolve deficiencies (revise procedure, develop a new process, etc.)

7. **Role of the AAR Facilitator.** The AAR facilitator's role should be to ensure the goals of the AAR are met. The AAR facilitator:

- Remains unbiased throughout the process
- Speaks only to draw out comments from all participants
- Ensures the discussion remains professional and focused on continuous improvement
- Keeps AAR on track and determines when to move on to discuss other points
- Does not allow personal attacks
- Does not offer solutions; allows the participants to do that.

8.3.1 After Action Review Guidelines, Continued

8. **Ground Rules for Conducting the AAR.**

- Participants are participants, not a passive audience. The facilitator should prepare leading questions and may have to ask it of several people
- An AAR is a dynamic, candid, professional discussion of events and projects, focusing on performance against the known standards and/or expected outcomes. Everyone involved with the event should participate to share an insight, observation or question that will help identify areas for improvement.
- An AAR is not a critique. No one, regardless of position has all of the information and answers. AARs maximize learning and continuous improvement by allowing everyone to learn from each other.
- An AAR does not grade success or failure. There are always areas of improvement and strengths to improve as well.
- Set ground rules up front, e.g. no personal attacks, focus on how to improve, commit to getting to the heart of the issue, etc.

9. **Conclusion.** An AAR is both an art and science. What makes AARs so powerful is that they can be applied across a wide spectrum of events from two individuals conducting a 5-minute AAR at the end of a short meeting to a longer AAR held by a Spill Management Team at the end of a large emergency. Individuals involved may absorb lessons learned on the spot and they can be documented in a format that can be shared with a wider audience. A properly conducted AAR can also have a powerful influence on the climate of the organization. It is a part of the communication process that educates and motivates people and focuses them on organizational priorities to improve procedures across the organization.

8.3.1 After Action Review Guidelines, Continued

MEMORANDUM FOR RECORD

SUBJECT: (Document name of the incident for which the AAR was conducted)

1. Begin the memo with an overview/introduction. Identify the Incident Commander and briefly describe the project or event. Document what kind of AAR was conducted and how. For informal AARs, detail how the AAR was conducted (via meeting, teleconference, etc.) and who provided feedback. For formal AARs, identify all participants.

2. Following are the results of the AAR:

   a. **Issue:** Analysis of the incident according to a (or a logical grouping) PREP Core Component. The intent is to leave a record of the analysis so others may learn. (What should have happened?)

      Discussion: Succinctly discuss the emergency response in terms of the PREP Core Components (or logical grouping) so the reader can understand why the component or group was important or relevant, what the ramifications were, and so on. (What actually happened and why?)

      Recommendation: Present a recommendation with respect to any issues raised during the discussion. In the case of issues where something positive occurred, the recommendation may simply be to continue to follow processes/procedures. In the case where the issue represented a problem, recommend a solution to prevent the problem from occurring in the future. (How do we improve or sustain success?)

      Action Taken: Present an action taken or to be taken by the stakeholders. Commit to doing what is written here. Examples of actions taken for successes: verified current procedures are valid; provided a copy of AAR to all affected parties and so on. Examples of actions taken for problems: coordinated with PPM and changed SOP; published information paper on small business contracting requirements and briefed the District; changed specifications to reflect new wall covering, etc. Clearly identify the “action owner” in this paragraph. For example: Revise PMPB SOP on accepting new work. Action: PPMD.

   b. **Repeat** the above for each of the 15 PREP Response Plan Core Components.

3. Conclude by summarizing key lessons learned, noting when and where the AAR will be published for others to access. The Incident Commander shall sign and date the AAR Report.

Note: AAR writers are to be mindful that documented AARs may be the subject of litigation or a media report. Accordingly, AARs are to present accurate, factual information and solid, focused recommendations.

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APPENDICES

A. **TRAINING / EXERCISES**

B. **CONTRACTOR RESPONSE EQUIPMENT**

C. **HAZARD EVALUATION AND RISK ANALYSIS**

D. **CROSS-REFERENCES**

E. **ACRONYMS AND DEFINITIONS**

APPENDIX A Last revised: November 25, 2013

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 - Spill / Exercise Documentation 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 - Spill Management Team Tabletop Exercise Log

A.2 Training Program

Figure A.2-1 - Training Requirements

Figure A.2-2 - 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 District Manager is responsible for the following aspects:
  - Scheduling
  - Maintaining records
  - Implementing
  - Evaluation of the Company's training and exercise program
  - Post-drill evaluation improvements
- FIGURE A.1-2 provides descriptions of exercise requirements, FIGURE A.1-3 provides a Spill/Exercise Documentation form or corresponding Company form may be used, and **FIGURE A.1-4** provides a log for response equipment testing and deployment drill

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

CORE COMPONENTS	DESCRIPTION
1. Notifications	Test the notifications procedures identified in the Area Contingency Plan (ACP) and the Spill Response Plan.
2. Staff mobilization	Demonstrate the ability to assemble the spill response organization identified in the ACP and the Spill Response Plan.
3. Ability to operate within the response management system described in the Plan: • Unified Command • Response management system	Demonstrate the ability of the spill response organization to work within a unified command. Demonstrate the ability of the response organization to operate within the framework of the response management system identified in their respective plans.
4. Discharge control	Demonstrate the ability of the spill response organization to control and stop the discharge at the source.
5. Assessment	Demonstrate the ability of the spill 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 spill response organization to contain the discharge at the source or in various locations for recovery operations.
7. Recovery	Demonstrate the ability of the spill response organization to recover the discharged product.
8. Protection	Demonstrate the ability of the spill response organization to protect the environmentally and economically sensitive areas identified in the ACP and the respective industry response plan.
9. Disposal	Demonstrate the ability of the spill response organization to dispose of the recovered material and contaminated debris.
10. Communications	Demonstrate the ability to establish an effective communications system for the spill 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 spill 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 (one per year must be performed during non-business hours) • The facility initiates mock spill notification to QI • The Qualified Individual documents time/date of notification, name, and phone number of individual contacted • Document in accordance with form in **FIGURE A.1-5**
Equipment deployment	• Terminals with response equipment such as boom will conduct semiannually • Terminals without response equipment will obtain documentation from OSRO response contractors indicating participation in annual deployment exercise • Conducted annually (Pipeline) • Document in accordance with form in **FIGURE A.1-4**

SMT tabletop	• Conducted annually • Tests SMT's response activities/responsibilities • 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 • Document in accordance with form in **FIGURE A.1-6**
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 • 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
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
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 - SPILL / EXERCISE DOCUMENTATION FORM

Retain this form for a minimum of five years.

1. Date(s) performed:
2. ☐ Exercise ☐ Actual spill
If exercise:

☐ Announced	☐ Unannounced	☐ Deployment	☐ Notification	☐ Tabletop	
If exercise, frequency: ☐ Quarter	☐ 1st	☐ 2nd	☐ 3rd	☐ 4th	☐ Annual
3. Location of exercise/spill:					
4. Time started:					
5. Description of scenario or spill including volume and content (crude oil, condensate, etc.)					
6. Describe how the following objectives were exercised:					

Team's knowledge of the Oil Spill Response Plan:		
	Yes	**No**
Was briefing meeting conducted	☐	☐
Established field Command Post	☐	☐
Confirmed source was stopped	☐	☐
Developed Site Safety and Health Plan	☐	☐
Prepared ICS 201	☐	☐
Established work zones and perimeter security	☐	☐
Developed short range tactical plan	☐	☐
Developed long range tactical plan	☐	☐
Proper Notifications:		
Qualified Individual (or designee)	☐	☐
EHS&T Department	☐	☐
Release/Spill Report Form completed	☐	☐
Notification to agencies completed (attach log)	☐	☐
Transportation/Communication System:		
Established primary/secondary communication system		

	☐	☐
Primary: cellular phone ☐ two way radio ☐ land telephone line ☐		
Secondary: cellular phone ☐ two way radio ☐ land telephone line ☐		
☐ Other		

FIGURE A.1-3 - SPILL / EXERCISE DOCUMENTATION FORM, CONTINUED

Transportation/Communication System, Continued:		
	Yes	**No**
Motor vessel deployed	☐	☐
Provider name:		
Helicopter/Sea plane deployed	☐	☐
Call sign:		
Describe function (i.e., transportation, surveillance, dispersant application):		
Ability to access contracted Oil Spill Removal Organizations (OSROs):		
Who contacted - (name of individual and OSRO):		
When contacted:		
Response time projection for deployment:		
Type and amount of containment used:		
Spill material recovered	☐	☐
Spilled material disposed	☐	☐
Where?		
Ability to coordinate spill response with on-scene coordinator, state, and applicable agencies:		
Was regulatory on-scene coordinator(s) contacted	☐	☐

List person and agency represented:		
Ability to access sensitive site and resource information in the Area Contingency Plan (ACP):		
Was pre-impact assessment conducted?	☐	☐
Were pre-impact samples taken?	☐	☐
Were pre-impact photographs taken?	☐	☐
Were NRDA specialists mobilized?	☐	☐
Were deficiencies identified?	☐	☐
If yes, changes implemented?	☐	☐
If no, why were changes not implemented?		

LESSONS LEARNED	PERSON RESPONSIBLE FOR FOLLOW-UP OF CORRECTIVE MEASURES
	Name:
	Position:
	Certifying Signature:

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

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

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

Time Table for Implementation	

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

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

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

FIGURE A.1-6 - SPILL MANAGEMENT TEAM TABLETOP EXERCISE LOG

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

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

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

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

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

	Plan will be reviewed with all employees and contract personnel: • When the plan is developed or the employee is assigned initially to a job; • When the employee's responsibilities under the plan change; and • When the plan is changed. • 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 offsite 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
Spill management team personnel training	• See recommended PREP Training 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; Manager of Operations will document all applicable training

FIGURE A.2-2 - PREP TRAINING PROGRAM MATRIX

	QUALIFIED	SPILL	

TRAINING ELEMENT	INDIVIDUAL (QI)	MANAGEMENT TEAM (SMT)	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 fire fighting 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		
Facility personnel responsibilities and procedures for use of facility equipment which may be available to mitigate or prevent an oil discharge	x	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 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 spill management team (SMT) 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		
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

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

TRAINING ELEMENT	QUALIFIED INDIVIDUAL (QI)	SPILL MANAGEMENT TEAM (SMT)	FACILITY PERSONNEL
Available response resources identified in the Plan	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	
Public affairs	x	x	
Crisis management	x	x	
Procedures for obtaining approval for dispersant use or in-situ burning of the spill	x		
Oil spill trajectory analyses	x		
Sensitive biological areas	x	x	
This training procedure as described in the Plan for members of the SMT		x	
Procedures for the post discharge review of the plan to evaluate and validate its effectiveness		x	
Basic information on spill operations and		x	

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			
Hazard recognition and evaluation		x	
Site safety and security procedures		x	
Personnel management, as applicable to designated job responsibilities		x	
Procedures for directing the deployment and use of spill response equipment, as applicable to designated job responsibilities		x	x
Specific procedures to shut down effected operations			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 system			x
QI's name and how to contact him or her			x

FIGURE A.2-3 - PERSONNEL RESPONSE TRAINING LOG

NAME	RESPONSE TRAINING/DATE AND NUMBER OF HOURS	PREVENTION TRAINING/DATE AND NUMBER OF HOURS
*Tommy Adams	11/5/13	11/5/13
*Cole Ballard	7/26/13	7/26/13

*Charles Bishop	7/8/13	7/8/13
*Mike Blankendaal	8/26/13	8/26/13
Rick Bondy	01/08/2014 - 8hr Hazwoper Refresher	01/08/2014- 8hr Hazwoper Refresher
*Erin Brantley	4/30/13	4/30/13
*Alan Cosby	05/27/2011 - 8hr Hazwoper Refresher	05/27/2011 - 8hr Hazwoper Refresher
Dennis Crawford	02/5/13- 8hr Hazwoper Refresher	02/5/13 - 8hr Hazwoper Refresher
*Troy Culbertson	4/30/13	4/30/13
*John Deaton	5/21/13	5/21/13
*Edward Fuchs	11/5/13	11/5/13
*Rusty Holman	4/30/13	4/30/13
*Lee Hughes	Oct 17 2013 ICS 310 QI	6/5/13 Hazwoper refresher
*Jim Johnson	5/10/13	5/10/13
*Roy Johnston	7/18/13	7/18/13
*Bruce LePage	3/4/13	3/4/13
Steven Moyer	9/10/13	9/10/13
Greg Peck	1/8/14- 8 hr Hazwoper refresher	None
*Phil Simpson	7/8/13	7/8/13
*Roy Van Tine	7/23/13	7/23/13
*Helen Walden	7/12/13	7/12/13

*Qualified Individual

APPENDIX B Last revised: April 18, 2014

CONTRACTOR RESPONSE EQUIPMENT

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B.1 Cooperatives and Contractors

B.1.1 OSRO Classification

Figure B.1-1 - Evidence of Contracts and Equipment Lists

Figure B.1-2 - OSRO Coverage Overview Map

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.

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 OSROs 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 that may respond to incidents for areas listed in this Plan. For a detailed listing of USCG classified OSROs and other contractors by terminal, refer to **FIGURE 3.1-3** and **FIGURE 7.1-1**.

COMPANY / CONTRACTOR	APPLICABLE COPT ZONE (S)	USCG CLASSIFICATIONS								RESPONSE TIME
SWS (OSRO 247) 9204 US Highway 287 Fort Worth TX 76131	Houston-Galveston		Facilities				Vessels				0 hours
			MM	W1	W2	W3	MM	W1	W2	W3	
		River/Canal			✓	✓	✓	✓	✓	✓	
		Inland									
		Open Ocean									
		Offshore									
		Nearshore									
		Great Lakes									
United States Environmental Services (USES)(USCG OSRO 38) 365 Canal St., Suite 2500 New Orleans LA 70130	Corpus Christi, Houston, New Orleans, Lower Mississippi		Facilities				Vessels				0 hours
			MM	W1	W2	W3	MM	W1	W2	W3	
		River/Canal	✓	✓	✓	✓	✓	✓	✓	✓	
		Inland	✓	✓	✓	✓	✓	✓	✓	✓	
		Open Ocean									
		Offshore									
		Nearshore									
		Great Lakes									
Clean Channel Association 3110 Pasadena Freeway Pasadena TX 77503	Houston - Galveston		Facilities				Vessels				0 hours
			MM	W1	W2	W3	MM	W1	W2	W3	
		River/Canal	✓	✓	✓	✓	✓	✓	✓	✓	
		Inland	✓	✓	✓	✓	✓	✓	✓	✓	
		Open Ocean									
		Offshore									

		Nearshore									
		Great Lakes									
Environmental Safety & Health Consulting Services 1730 Coteau Rd. Houma LA 70364	New Orleans		Facilities				Vessels				0 hours
			MM	W1	W2	W3	MM	W1	W2	W3	
		River/Canal	✓		✓	✓	✓	✓	✓	✓	
		Inland	✓	✓	✓	✓	✓	✓	✓	✓	
		Open Ocean									
		Offshore									
		Nearshore									
		Great Lakes									

B.1.1 OSRO Classification, Continued

COMPANY / CONTRACTOR	APPLICABLE COPT ZONE (S)	USCG CLASSIFICATIONS									RESPONSE TIME
Anderson Pollution Control 1011 W. Lewis, Suite A Conroe Texas 77301	Houston		Facilities				Vessels				0 hours
			MM	W1	W2	W3	MM	W1	W2	W3	
		River/Canal	✓		✓						
		Inland	✓								
		Open Ocean									
		Offshore									
		Nearshore									
		Great Lakes									
TAS Environmental 3929 California Parkway E. Fort Worth TX 76119	Houston-Galveston, Port Arthur		Facilities				Vessels				2 hours
			MM	W1	W2	W3	MM	W1	W2	W3	
		River/Canal	✓	✓	✓	✓	✓	✓	✓	✓	
		Inland	✓	✓	✓	✓	✓	✓	✓	✓	
		Open Ocean			✓				✓		
		Offshore			✓				✓		
		Nearshore			✓				✓		
		Great Lakes									
A-Clean Environment 2071 Cimmaron Road Wilson	Memphis		Facilities				Vessels				3.25 hours
			MM	W1	W2	W3	MM	W1	W2	W3	
		River/Canal	✓				✓				
		Inland									

OK 73463		Open Ocean									
		Offshore									
		Nearshore									
		Great Lakes									
Acme Products Co. 2666 N. Darlington Tulsa OK 74115	Sector Lower Mississippi, Sector Upper Mississippi		Facilities				Vessels				3.5 hours
			MM	W1	W2	W3	MM	W1	W2	W3	
		River/Canal	✓				✓				
		Inland	✓				✓				
		Open Ocean									
		Offshore									
		Nearshore									
		Great Lakes									

B.1.1 OSRO Classification, Continued

COMPANY / CONTRACTOR	APPLICABLE COPT ZONE (S)	USCG CLASSIFICATIONS									RESPONSE TIME
Garner Environmental Services Inc. 1717 W. 13th Street Deer Park TX 77536	Houston - Galveston		Facilities				Vessels				8 hours
			MM	W1	W2	W3	MM	W1	W2	W3	
		River/Canal	✓	✓	✓	✓	✓	✓	✓	✓	
		Inland	✓	✓	✓	✓	✓	✓	✓	✓	
		Open Ocean			✓	✓			✓	✓	
		Offshore			✓	✓			✓	✓	
		Nearshore			✓	✓			✓	✓	
		Great Lakes									
OMI Environmental Solutions (formerly Oil Mop LLC) 450 Preston Rd Pasadena TX 77503	Houston		Facilities				Vessels				8 hours
			MM	W1	W2	W3	MM	W1	W2	W3	
		River/Canal	✓	✓	✓	✓	✓	✓	✓	✓	
		Inland	✓	✓	✓	✓	✓	✓	✓	✓	
		Open Ocean									
		Offshore									
		Nearshore									
		Great Lakes									

The following contractors are retained by the Company for waste coordination, but are not USCG classified OSRO's within this Area, are as follows:

- Viva Environmental El Paso Office
  7201 Stiles Dr.
  El Paso , TX
  79915
- Eco-logical Environmental Services, Inc.
  712 S. Milam Street
  Amarillo, TX
  79106
- T&L Lease Service Alvin, Texas Construction, Excavation
  427 E. South Street
  Alvin, Texas
  77511

FIGURE B.1-1 provides evidence of contracts with OSRO's and equipmentlists for contractors without USCG classification. **FIGURE 7.1-1** provides local response contractor's equipment lists and response times.

FIGURE B.1-1 - EVIDENCE OF CONTRACTS AND EQUIPMENT LISTS

- A-Clean Environment, Wilson, OK
- Acme Products Co., Tulsa, OK
- Anderson Pollution Control, Conroe, Texas
- Clean Channel Association, Pasadena, TX
- Eco-logical Environmental Services, Inc. , Amarillo, TX
- Environmental Safety & Health Consulting Services, Houma, LA
- Garner Environmental Services Inc., Deer Park, TX
- OMI Environmental Solutions (formerly Oil Mop LLC), Pasadena, TX
- SWS (OSRO 247), Fort Worth, TX
- T&L Lease Service Alvin, Texas Construction, Excavation, Alvin, Texas
- TAS Environmental, Fort Worth, TX
- United States Environmental Services (USES)(USCG OSRO 38), New Orleans, LA
- Viva Environmental El Paso Office, El Paso , TX

FIGURE B.1-2 - OSRO COVERAGE OVERVIEW MAP

Click here to view Southern District OSRO Coverage Overview Map

APPENDIX C Last revised: July 28, 2009

HAZARD EVALUATION AND RISK ANALYSIS

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C.1 Spill Detection

C.2 Worst Case Discharge Scenario

C.3 Planning Volume Calculations

C.4 Spill Volume Calculations

C.5 Pipeline - Abnormal Conditions

C.6 Product Characteristics and Hazards

Figure C.6-1- Summary of Commodity Characteristics

C.7 Supporting Documentation

C.1 **SPILL DETECTION** Detection

Detection of a discharge from the Company system may occur in a number of ways including:

- Automated detection by the Supervisory Control and Data Acquisition (SCADA) system
- Visual detection by Company personnel
- Visual detection by the public

AVAILABILITY - ALL TANKS

(b) (7)(F)

[redacted]

(b) (7)(F)

[redacted]

- **Training**

  All operators are compliant with DOT 195 Operator Qualification Requirements.

Visual detection by Company personnel

Aerial patrol flights will be made 26 times a year not to exceed 21 days apart. If unable to fly area personnel will walk or drive the right-of-way. The intent of the patrol is to observe the area directly over the pipeline right-of-way for leaks, exposed pipes, washes, missing markers and other unusual conditions. Construction on either side of the pipeline right-of-way is also monitored.

Discharges to the land or surface waters may also be detected by Company personnel during regular operations and inspections. 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 provides a checklist for initial response actions.

Visual detection by the public

Right-of-way marker signs are installed and maintained at road crossing and other noticeable points and provide an Operations Control 24-hour number for reporting emergency situations. The Company also participates in the ?call before you dig? or ?One Call? utility notification services which can be contacted to report a leak and determine the owner/operator of the pipeline. If the notification is made to a local office or pump station, the Company representative receiving the call will generally implement the following actions:

- Notify the Pipeline Control and region/designated office
- Dispatch Company field personnel to the site to confirm discharge and conduct preliminary assessment
- Notify their immediate area supervisor and provide assessment results

Pipeline shutdown

If any of these situations are outside the expected values, abnormal conditions are considered to exist. If abnormal conditions exist, Pipeline Control will take the appropriate actions to ensure that a release does not occur. If a discharge has occurred, Pipeline Control will take actions to limit the magnitude. In either case, appropriate actions taken by Company personnel could include, but are not limited to:

- Shut down effected line segment if there is an indication of a leak
- Isolate line segment
- Depressurize line
- Start internal and external notifications
- Mobilize additional personnel as required

C.2 WORST CASE DISCHARGE (WCD) SCENARIO

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** and **APPENDIX B**. The

following sections are discussions of these scenarios.

APPENDIX C.4 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 Area Supervisor/Manager of Operations and Operations Control Center and notifications would be initiated in accordance with **FIGURE 2-1**.

2. The Area Supervisor/Manager of Operations would assume the role of Incident Commander/Qualified Individual 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 facility responders to shut down ignition sources

    - Direct facility personnel to position resources in accordance with **SECTION 2.4**

    - Complete spill report form in accordance with **SECTION 3** and notify 3E Company or Environmental Specialist

    - 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 Spill Management Team. However, for a large spill, the Qualified Individual would assume the role of Incident Commander and would activate the entire Spill Management Team 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 2.3**.

5. The Incident Commander would then utilize checklists in the **SECTION 4.6** 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 Spill Management Team would develop the following plans, as appropriate (some of these plans may not be required during a small or medium spill):

    - Site Safety and Health
    - Site Security
    - Incident Action
    - Decontamination
    - Disposal
    - Demobilization

    Plan templates are included in **SECTION 5**.

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

C.3 PLANNING VOLUME CALCULATIONS

Once the worst case discharge volume has been calculated, response resources must be identified to meet the requirements of 49 CFR 194.105(b). 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.

C.4 SPILL VOLUME CALCULATIONS

DOT/PHMSA portion of pipeline/facilities

The worst case discharge (WCD) for the DOT portion of the pipeline and facilities, 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	5%

650/651/653	
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.

The Company has determined the worst case discharge volume to be a catastrophic line failure of the largest line section with the greatest drainage capacity in each response zone or .50% of the volume of the largest tank in each zone.

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.

Historic discharge records were reviewed for the assets covered by this plan. Historic discharge volumes do not exceed the WCD volumes calculated and identified below.

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

LOCATION	VOLUME (BBLS)
Aledo Terminal	(b) (7)(F) [redacted]
Colorado City	
East Houston Station	
El Paso Terminal (inactive)	
Frost Station	
Greenville Station	
Hearne Station	
Mt. Pleasant Terminal	
Odessa Station	
Reagan Station	
Speed Junction	

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

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) [redacted]

The worst case discharge for the pipeline segment is calculated at the (b) (7)(F) [redacted]

WCD = [(DT + ST) x MF] + DD

Where:

WCD = worst case discharge (bbl)

DT + ST = maximum detection time + maximum shut down time in adverse weather (generally five minutes except where noted)

MF = maximum flow rate (bph) (using 55000 bph)

DD = drain down volume (bbl) (internal diameter)

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

As detailed above, the discharges for tanks are larger than discharges for the pipeline; therefore, the DOT/PHMSA WCD volume for this plan is: (b) (7)(F) [redacted]

TGLO Worst Case Discharge

The worst case discharge for the Southern District is calculated at the (b) (7)(F) [redacted] . The worst case discharge volume is as follows:

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

C.5 PIPELINE - ABNORMAL CONDITIONS

Because PHMSA considers the ?substantial threat? term in 49 CFR Part 194.115(a) 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 System Integrity Plan.

C.6 PRODUCT CHARACTERISTICS AND HAZARDS

Pipeline systems described in this plan may transport various types of commodities including but not limited to:

- Alkylate
- Bio-Diesel
- Crude Oil
- Denatured Ethanol
- Diesel
- Gasoline
- Jet fuel
- Naptha
- Natural gasoline

The key chemical and physical characteristics of each of these oils and/or other small quantity products/chemicals are identified in MSDS. MSDS can be obtained by the facility online through the Compass website or via fax from the MSDS Hotline (**FIGURE 3.1-3**). Telephone information concerning the potential hazards can also be obtained from the hotline.

FIGURE C.6-1 describes primary oils handled.

FIGURE C.6-1 - SUMMARY OF COMMODITY CHARACTERISTICS

COMMON NAME	MSDS NAME	HEALTH HAZARD	FLASH POINT	SPECIAL HAZARD	REACTIVITY	HEALTH HAZARD WARNING STATEMENT

Alkylate	Appropriate product name	1	3	N/A	0	May cause eye, skin, and or respiratory tract irritation and inflammation. May be harmful or fatal if inhaled, ingested, or absorbed through the skin.
Bio-Diesel	BioDiesel	1	141	2	0	Vapors may irritate mucus membranes when heated. Eye contact may cause irriatation.
Crude Oil	Appropriate product name	2	3	C, H2S	0	May contain benzene, a carcinogen, or hydrogen sulfide, which is harmful if inhaled; flash point varies widely
Denatured Ethanol	Appropriate Product Name	2	3	C	0	Long term, repeated exposure may cause cancer, blood, kidney and nervous system damage, and contains benzene.
Diesel	Appropriate product name	2	2	C	0	Long term, repeated exposure may cause skin cancer.
Gasoline	Appropriate product name	1	3	C	0	Long term, repeated exposure may cause cancer, blood, kidney and nervous system damage, and contains benzene.
Jet fuel	Appropriate product name	2	2	C	0	Long term, repeated exposure may cause cancer.
Naptha	Appropriate product name	1	3		0	May cause nerve or kidney damage.
						Long term, repeated exposure may cause cancer,

Natural gasoline	W-Grade	1	3	C	0	blood, kidney and nervous system damage, and contains benzene.

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**

C.7 SUPPORTING DOCUMENTATION

(Click here for Supporting Documentation)

APPENDIX D Last revised: January 2005

CROSS-REFERENCES

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DOT / PHMSA 194 Cross-Reference

DOT / PHMSA 192 Cross-Reference

OSHA Cross-Reference

DOT / PHMSA 194 CROSS-REFERENCE

OPA 90 REQUIREMENTS (49 CFR 194)	LOCATION
Information Summary	
• For the core plan:	
• Name and address of operator	Figure 1-3
• 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 1-3
• For each Response Zone appendix:	
• Information summary for core plan	Section 1
• QI names and telephone numbers, available on 24-hr basis	Figure 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 1-3
• List of line sections contained in Response Zone, identified by milepost or survey station or other operator designation	Figure 1-3
• Basis for operator?s determination of significant and substantial harm	Figure 1-3
• 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	Section 3
• Checklist of notifications the operator or Qualified Individual is required to make under the response plan, listed in the order of priority	Section 3.1

• Name of persons (individuals or organizations) to be notified of discharge, indicating whether notification is to be performed by operating personnel or other personnel	Section 3.1, Figure 3.1-3
• Procedures for notifying Qualified Individuals	Figure 3.1-1, Section 4.5, Figure 4.5-1
• Primary and secondary communication methods by which notifications can be made	Section 7.1.6

DOT / PHMSA 194 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 C.1
• 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 3.1-3, Appendix B
• Identification of personnel and their location, telephone	Figure 3.1-3,

numbers, and responsibilities for use of equipment in response activities on a 24-hour basis	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

DOT / PHMSA 194 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 1-3
• Applicable insurance representatives or surveyors for the operator?s areas of operation	Figure 3.1-1
• Persons or organizations to notify for activation of response resources	Figure 3.1-1
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, Appendix C
Response zone appendices	
Each response zone appendix would provide the following information:	
• Name and telephone number of the qualified individual	Figure 1-3
• Notification procedures	Section 3
• Spill detection and mitigation procedures	Section 2.1, Appendix C
• Name, address, and telephone number of oil spill response organization	Figure 3.1-1, 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
	Appendix A, Appendix B

DOT / PHMSA 194 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 3.1-3
• Worst case discharge volume	Appendix C
• Method used to determine the worst case discharge volume, with calculations	Appendix C

• 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 1-4, Section 6.6, Section 6.7

• Piping diagram and plan-profile drawing of each line section; may be kept separate from the response plan if the location is identified	Figure 1-3

• 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
	Figure C.6-1

DOT / PHMSA 192 CROSS-REFERENCE

EMERGENCY PLAN REQUIREMENTS (49 CFR 192.615)	LOCATION
a. Written procedures to minimize hazards	
1. Receiving, identifying, and classifying notices of events which require immediate response by the operator	Section 2

2. Establishing and maintaining adequate means of communication with appropriate fire, police, and other public officials	Section 3, Section 4.4
3. Prompt and effective response to a notice of each type of emergency, including the following:	
i. Gas detect inside or near a building	Section 2
ii. Fire located near or directly involving a pipeline facility	Section 2
iii. Explosion occurring near or directly involving a pipeline facility	Section 2
iv. Natural disaster	Section 2
4. The availability of personnel, equipment, tools, and materials, as needed at the scene of an emergency	Section 7.1, Appendix B
5. Actions directed toward protecting people first and then property	Section 2
6. Emergency shutdown and pressure reduction in any section of the operator's pipeline system necessary to minimize hazards to life or property	
7. Making safe any actual or potential hazard to life or property	Section 2
8. Notifying appropriate fire, police, and other public officials of gas pipeline emergencies and coordinating with them both planned responses and actual responses during an emergency	Section 2 , Section 4.4
9. Safely restoring any service outage	
10. Beginning action under §192.617, if applicable, as soon after the end of the emergency as possible	
b. Each operator shall:	
1. Furnish its supervisors who are responsible for emergency action a copy of that portion of the latest edition of the emergency procedures established under paragraph (a) of this section as necessary for compliance with those procedures	Figure 1-2

2. Train the appropriate operating personnel to assure that they are knowledgeable of the emergency procedures and verify that the training is effective	Appendix A
3. Review employee activities to determine whether the procedures were effectively followed in each emergency	Section 8.3

DOT / PHMSA 192 CROSS-REFERENCE, CONTINUED

EMERGENCY PLAN REQUIREMENTS (49 CFR 192.615)	LOCATION
c. Each operator shall establish and maintain liaison with appropriate fire, police, and other public officials to:	
1. Learn the responsibility and resources of each government organization that may respond to a gas pipeline emergency	Appendix A
2. Acquaint the officials with the operator's ability in responding to a gas pipeline emergency	Appendix A
3. Identify the types of gas pipeline emergencies of which the operator notifies the officials; and	Section 2
4. Plan how the operator and officials can engage in mutual assistance to minimize hazards to life or property	Section 4

OSHA CROSS-REFERENCE

EAP REQUIREMENTS (29 CFR 1910.38 [a] [2])	LOCATION
• Emergency escape procedures and emergency escape route assignments	Section 2
• Procedures to be followed by employees who remain to operate critical plant operations before they evacuate	N/A
• Procedures to account for all employees after emergency evacuation has been completed	Section 2
• Rescue and medical duties for those employees who are to perform them	Section 2

• The preferred means of reporting fires and other emergencies	Section 2, Figure 3.1-1
• Names of regular job titles of persons or departments who can be contacted for further information or explanation of duties under the plan	Figure 3.1-3, Section 4.6

ERP REQUIREMENTS (29 CFR 1910.120 [q] [1])	LOCATION
• 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.	

ERP REQUIREMENTS (29 CFR 1910.120 [q] [2])	LOCATION
• Pre-emergency planning	Appendix C
• Personnel roles, lines of authority, and communication	Section 4.4, Section 4.6, Section 7.1.6
• Emergency recognition and prevention	Section 2
• Safe distances and places of refuge	Section 2
• Site security and control	Section 5.6, Section 7.2
• Decontamination procedures which are not covered by the site safety and health plan	Section 5.4
• Emergency medical treatment and first aid	Section 2
• Emergency alerting and response procedures	Section 3
• Critique of response and follow-up	Section 8.3
• PPE and emergency equipment	Section 7, Appendix B

APPENDIX E Last revised: January 2005

ACRONYMS AND DEFINITIONS

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E.1 Acronyms

E.2 Definitions

E.1 ACRONYMS

ACP	Area Contingency Plan
AFFF	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
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)
PHMSA	Pipeline and Hazardous Materials Safety Administration (DOT)
PPE	Personal Protective Equipment
PREP	(National) Preparedness for Response Exercise Program
QI	Qualified Individual
RCRA	Resource Conservation and Recovery Act of 1976
RQ	Reportable Quantity
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)
SMT	Spill Management Team

SOSC	State On-Scene Coordinator
SPCC	Spill Prevention, Control, and Countermeasures (Plan)
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)

E.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.

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.

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.

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.

Hypothermia
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 clean-up capability to conduct response activities for a worst case discharge from a facility in adverse weather.

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.

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.

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.

Spill 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.

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.

LINK FILES

TEXAS GENERAL LAND OFFICE

JERRY PATTERSON, COMMISSIONER

May 13, 2011

Mr. John Deaton
Magellan Pipeline
1313 West Pasadena Freeway
Pasadena, TX 77506

Re: Discharge Prevention and Response Certificate No. **20573**

Dear Mr. Deaton:

Having satisfied regulatory requirements pursuant to the Oil Spill Prevention and Response Act 1991 (OSPRA), please find enclosed a Discharge Prevention and Response Certificate, numbered 20573, for your Pasadena facility. The certificate should be displayed in an accessible location to allow verification by Texas General Land Office personnel. The certificate will be valid for 5 years as long as all required preparedness elements are maintained. (b) (7)(F) [redacted]

Compliance with this certificate requires your facility to maintain a high level of oil pollution prevention and response awareness. Please feel free to contact our Compliance Coordinator, Craig Kartye, at (281) 470-6597 with any questions you may have regarding facility certification or any other oil spill prevention and response matter.

Sincerely,

Richard A. Arnhart
Director
Oil Spill Prevention and Response Program

RAA:aj
Enc.

Stephen F. Austin Building • 1700 North Congress Avenue • Austin, Texas 78701-1495
Post Office Box 12873 • Austin, Texas 78711-2873
512-463-5001 • 800-998-4GLO
www.glo.state.tx.us

Date April 4, 2011

Number 20573

Oil Spill Prevention and Response
Discharge Prevention and Response Certificate

Magellan Pipeline
Facility Name

Pasadena, Texas
Location

Magellan Pipeline Company, L.P.
Owner/Operator

January 18, 2016
Expiration Date

This certificate carries with it the need to maintain a high level of prevention awareness at your facility, and the need to respond in a "planned" manner to an unauthorized discharge, should it occur.

Commissioner
Texas General Land Office

Deputy Commissioner
Texas General Land Office

PHMSA 00010734

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

by and between

Magellan Pipeline Company, L.P.

and

A Clean Environment

Contract Number MESRA 06MMLP198

Effective November 8, 2006

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

THIS MASTER EMERGENCY SPILL RESPONSE AGREEMENT (" Agreement"), entered into to be effective this 8th day of ~~October~~ November 2006 by and between, A Clean Environment, an Oklahoma corporation with its principal place of business in Wilson, OK ("Contractor") and MAGELLAN PIPELINE COMPANY, L.P. a Delaware corporation, with its principal place of business in Tulsa, Oklahoma ("Company") hereinafter jointly referred to as "Parties" or singularly as "Party".

WHEREAS, Company operates refined petroleum products pipeline system, terminals and ammonia pipeline system and may from time to time experience a release or spill of product that requires emergency response and follow-up services to assist Company in controlling and mitigating such spills;

WHEREAS, Contractor is experienced in providing emergency response and follow-up services to spills such as the type as Company may have;

WHEREAS, Company desires Contractor to assist Company in providing emergency response and follow-up services to spills if requested, and Contractor desires to perform such services when requested; and

NOW THEREFORE, for and in consideration of the mutual promises herein contained and for other good and valuable consideration, the Parties agree as follows:

1. **Definitions**

1.1 "Company Spill Response Request" shall mean a request by Company to Contractor for Spill Response Dispatch or Spill Response Standby.

1.2 "Hazardous Waste (or Waste)" shall mean Product(s) and/or any material or substances contaminated with the Product(s).

1.3 "Laws" shall mean all applicable federal, state, county, local laws, regulations and ordinances, including without limitation, those issued under the auspices of the USCG, MMS, OPS, EPA, OPA 90, OSRO, PREP, Department of Transportation ("DOT"), the Occupational Safety and Health Administration ("OSHA"), RCRA and CERCLA or any other authority having jurisdiction over the work.

1.4 "OPA 90" shall mean the Oil Pollution Act of 1990.

1.5 "OSRO" shall mean the Oil Spill Removal Organization contained in the Guidelines for the U.S. Coast Guard OSRO Classification Program.

1.6 "PREP" shall mean the National Preparedness For Response Exercise Program issued under the OPA 90 jointly by the U.S. Coast Guard ("USCG"), the Environmental Protection Agency ("EPA"), the Office of Pipeline Safety ("OPS"), and the Minerals Management Services ("MMS").

MAGELLAN PIPELINE COMPANY, L.P. By: Magellan Pipeline GP, LLC, Its General Partner	A Clean Environment, Inc.
By: Melanie Little	By: Allen W. Fletcher
Name: M Little	Name: Allen W. Fletcher
Title: Director, EHS+S	Title: Sr. Project Manager
Date: 11/27/06	Date: November 8, 2006

EXHIBIT G

ANNUAL ACKNOWLEDGEMENT OF MASTER EMERGENCY SPILL RESPONSE AGREEMENT (MESRA)

In order to verify the status of Contractor's response teams, this acknowledgement form must be completed and signed by Contractor, and then submitted to Company not later than the 30th day of January annually.

Submittal of this form is required per MESRA paragraph 24 (c); however, failure to submit this document timely does not in any way constitute an abrogation of the terms and conditions of the MESRA.

Execution of this acknowledgement by Contractor's representative will serve as certification that Magellan Pipeline Company, L.P. has complied with the preparedness and prevention sections for securing arrangements with a hazardous materials cleanup contractor **A Clean Environment** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: A Clean Environment

Title: CEO

Signature: Donnie W. Edwards.

Date: 1-7-2013

Complete this form annually and submit to:

Magellan Midstream Partners, L.P.
Holly Warner – Project Analyst III
One Williams Center, MD 30
Tulsa, Oklahoma 74172

Email: holly.warner@magellanlp.com

A CLEAN ENVIRONMENT

"Meeting Today's Environmental Needs"

February 19, 2013

Dear Mr. Bondy

I am sending you A Clean Environments current spill response equipment lists and our 2011 OSRO deployment documentation actual response and/or training documentation. A Clean Environment continues to grow and add more equipment to our response fleet to help better our response capabilities. A Clean Environment has also added another facility at Tulsa, Oklahoma.

Facility at Wilson Oklahoma OSRO Equipment:

- 11,500' of 18" Contractor Boom
- 2-16' Response boats w/ motors
- 1-19' Response boat w/ motor
- 1-AM 550 response boat
- 1-23' S series V Boat with twin 135's motors w/ GPS, Chart-plotter, UHF radios
- 1-28' Barge work boat with twin 150's motors w GPS, Chart-plotter, UHF radios and skimming capabilities
- 5 Skimmers with Brush, Drum, or Disc Heads. Complete with power packs and pumps.
- 2-Spill trailers
- Portable vacuum systems and vacuum trucks
- 20-Water tight container boxes
- Portable Tanks for storage
- Various pumps for wash down and Transfers. (Trash pumps, Diaphragm pumps, Corken pump, etc.
- Roll off truck
- Heavy Equipment (Dozier, Trac hoe, Skid steer, Mini excavator, Back hoe, etc.)
- Response Trucks 4x4
- ATV's
- Fire Fighting Equipment
- Breathing Air Trailer with fill compressor
- Monitoring capabilities with various types of monitors
- Bunk Houses from 6 men to 200 man trailers and tents
- Disaster response (Full Kitchens, Shower trailers, Laundry trailers, living quarters, Generators, etc.)

2071 Cimmaron Road • Wilson, OK 73463 • Voice 580-668-2347 • Fax 580-668-2960

Facility at Tulsa OSRO Equipment

- 8,500' of 18" Contractor Boom
- 2-16' Response boats w/motor
- 1-AM 550 Response boat
- 2-Skimmers with Brush, Drum, or Disc Heads. Complete with power packs and pumps
- Spill Trailers w/pumps, hoses, hand tools, etc.
- Portable vacuum systems and vacuum trucks
- 40 Water tight container boxes
- Various pumps for wash down and transfer. (Tras pumps, Diaphragm pumps, Corken pump, etc.
- Double Rail Spur for transferring and offloading Rail Cars.
- Roll off Truck
- Heavy Equipment (Dozier, Trac hoe, Skid Steer and implements, Mini excavator, Back hoe, etc.)
- ATV's
- Firefighting Equipment
- Breathing Air Trailer with fill compressor
- Monitoring Capabilities with various types of monitors
- Transfer and offloading capabilities for truck and rail cars
- Portable and fixed storage Tanks
- Disaster response (Full Kitchens, Shower trailers, Laundry trailers, Living Quarters, Generators, etc.)

This is just a specific list and does not account for everything we have, just the basics. If you have any questions or require more information please contact me.

Office: 580-668-2347
Cell: 580-220-9221

Thank You,
OSRO Manager
Gary Lytle

ASSOCIATED RESPONDER QUALITY ASSURANCE PROGRAM
PREP Exercise and Drill Report

RESPONDER: A Clean Environment DATE OF REPORT: 06-17-2012

24 Hour Emergency Phone #: 580-6682347 Fax: 5806682960

Equipment Requiring Exercise (Complete List From Inventory)	**Exercise Report** (Complete As Exercised)	
Boom/Skimmers/Type I.D.	Operating Environment	Quarter Exercised
Inspection & Test run of Skimmers (Brush, Drum, Weir)	Lake (Murray)	2nd
Inspection & Test run pumps & hydraulic packs	Deployed Boats & Skimmer exercise	
Test Run 4 boats (U bottom T-420, T-421 Barge Boat,		
T-320 19' John Boat & 16' John Boat)		

SPILL RESPONSE DEPLOYMENT ON SPILLS, DRILLS, OR EXERCISES

Date: 06-17-2012 ( ) Rivers/Canals ( ) Inland/Near Shore ( ) Offshore ( ) Other

Duration: 8 hours Product Spilled: _____ BBLS: _____

Equipment/Personnel/Comments: 8 responders, all skimmers & power packs & pumps exercise, 4 boats, 1 skimmer trailer

TRAINING CONDUCTED

Course Title: Skimmer Exercise

Date: 06-17-2012 Who Trained: _____ # Trained: 8

Comments: _____

RESOURCES ADDED/REDUCED

_____

VERIFICATION

The authorized representative below confirms the above statement is an accurate representation:

Name: Gary Lytle

Title: OSRO Manager

Signature: Gary D. Lytle

Responder: A Clean Environment

ASSOCIATED RESPONDER QUALITY ASSURANCE PROGRAM
PREP Exercise and Drill Report

RESPONDER: A Clean Environment DATE OF REPORT: 08-16-2012

24 Hour Emergency Phone #: 580-6682347 Fax: 918-295-8607

Equipment Requiring Exercise (Complete List From Inventory)	Exercise Report (Complete As Exercised)	
Boom/Skimmers/Type I.D.	Operating Environment	Quarter Exercised
100' of Boom	Part of Catoosa	3rd
20' John Boat	Kerr McClellan Navigational Channel	
Response Truck		
	Deployed Boat and 100' of Boom. Put Boom around	
	Tower that exercise was conducted on. Port of Catoosa	
	NuStar Energy Facility. Coast Guard Training Exercise.	

SPILL RESPONSE DEPLOYMENT ON SPILLS, DRILLS, OR EXERCISES

Date: 08-16-2012 (X) Rivers/Canals ( ) Inland/Near Shore ( ) Offshore ( ) Other

Duration: 4 hours Product Spilled: Oil BBLS: _____

Equipment/Personnel/Comments: 4 responders, 100' Boom, 20' Boat

TRAINING CONDUCTED

Course Title: _____

Date: _____ Who Trained: _____ # Trained: _____

Comments: _____

RESOURCES ADDED/REDUCED

_____

VERIFICATION

The authorized representative below confirms the above statement is an accurate representation:

Name: Oren Hankes

Title: Manager

Signature: _____

Responder: A Clean Environment

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

by and between

Magellan Pipeline Company, L.P.

and

Acme Products, Inc.

Contract Number MESRA 06MMLP063
Effective May 1, 2006

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

THIS MASTER EMERGENCY SPILL RESPONSE AGREEMENT (" Agreement"), entered into to be effective this 1st day of ~~April~~ MAY 2006 by and between, ACME PRODUCTS, INC, a corporation with its principal place of business in Tulsa, Oklahoma ("Contractor") and MAGELLAN PIPELINE COMPANY, L.P. a Delaware corporation, with its principal place of business in Tulsa, Oklahoma ("Company") hereinafter jointly referred to as "Parties" or singularly as "Party".

WHEREAS, Company operates refined petroleum products pipeline system, terminals and ammonia pipeline system and may from time to time experience a release or spill of product that requires emergency response and follow-up services to assist Company in controlling and mitigating such spills;

WHEREAS, Contractor is experienced in providing emergency response and follow-up services to spills such as the type as Company may have;

WHEREAS, Company desires Contractor to assist Company in providing emergency response and follow-up services to spills if requested, and Contractor desires to perform such services when requested; and

NOW THEREFORE, for and in consideration of the mutual promises herein contained and for other good and valuable consideration, the Parties agree as follows:

1. **Definitions**

1.1 "Company Spill Response Request" shall mean a request by Company to Contractor for Spill Response Dispatch or Spill Response Standby.

1.2 "Hazardous Waste (or Waste)" shall mean Product(s) and/or any material or substances contaminated with the Product(s).

1.3 "Laws" shall mean all applicable federal, state, county, local laws, regulations and ordinances, including without limitation, those issued under the auspices of the USCG, MMS, OPS, EPA, OPA 90, OSRO, PREP, Department of Transportation ("DOT"), the Occupational Safety and Health Administration ("OSHA"), RCRA and CERCLA or any other authority having jurisdiction over the work.

1.4 "OPA 90" shall mean the Oil Pollution Act of 1990.

1.5 "OSRO" shall mean the Oil Spill Removal Organization contained in the Guidelines for the U.S. Coast Guard OSRO Classification Program.

1.6 "PREP" shall mean the National Preparedness For Response Exercise Program issued under the OPA 90 jointly by the U.S. Coast Guard ("USCG"), the Environmental Protection Agency ("EPA"), the Office of Pipeline Safety ("OPS"), and the Minerals Management Services ("MMS").

In performance of the work, the Contractor shall at all times be an independent contractor and the relation of the parties in the Agreement shall in no event be construed as constituting any other relationship.

27. **Non-Exclusivity**

Nothing in this Agreement shall require Company to solely utilize the services of Contractor or to ever utilize Contractor's services.

28. **Applicable Law**

This Agreement shall be governed by, and in accordance with, the laws of the State of Oklahoma without regard to principles of conflicts of laws.

29. **Entire Agreement**

This Agreement states the entire agreement between the parties with respect to the subject matter thereof and supersedes all prior agreements and understandings, whether oral or written, between the parties with respect to the subject matter hereof and may not be amended except by written instrument executed by the parties hereto. Release or waiver of any default or the failure to assert any right under this Agreement shall not be deemed in any case to be confirming waiver as to constitute an amendment of this Agreement. All Exhibits referenced herein and attached hereto are incorporated by reference as part of this Agreement.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed effective as of the date first above written by their duly authorized representatives below.

Magellan Pipeline Company, L.P. **by Magellan Pipeline GP,LLC, its general partner**	~~**Acme Boom, Inc.**~~ BK Acme Products, Inc.
By: Melanie Little	By: Andrew B Actendorf
Name: MELANIE LITTLE	Name: ANDREW B. ACTENDORF
Title: DIRECTOR, EHS+S	Title: PRESIDENT
Date: 6/16/06	Date: 7/11/06

EXHIBIT G

ANNUAL ACKNOWLEDGEMENT OF MASTER EMERGENCY SPILL RESPONSE AGREEMENT (MESRA)

In order to verify the status of Contractor's response teams, this acknowledgement form must be completed and signed by Contractor, and then submitted to Company not later than the 30th day of January annually.

Submittal of this form is required per MESRA paragraph 24 (c); however, failure to submit this document timely does not in any way constitute an abrogation of the terms and conditions of the MESRA.

Execution of this acknowledgement by Contractor's representative will serve as certification that Magellan Pipeline Company, L.P. has complied with the preparedness and prevention sections for securing arrangements with a hazardous materials cleanup contractor **Acme Environmental, Inc. dba Acme Products Co.** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: DAVID POLLARD

Title: Vice President

Signature:

Date: 1-4-13

Complete this form annually and submit to:

Magellan Midstream Partners, L.P.
Holly Warner – Project Analyst III
One Williams Center, MD 30
Tulsa, Oklahoma 74172

Email: holly.warner@magellanlp.com

Acme Products Co.
2666 N. Darlington - Tulsa, Oklahoma 74115
Phone: (918)836-7184 - Fax: (918)836-9197
www.acmeboom.com

2013

ACME PRODUCTS EMERGENCY RESPONSE PACKAGE

CONTENTS:

1. PREP Letter
2. Listing of Equipment and Personnel
3. Rate Sheet and Policies
4. Copy of Contract
5. Coast Guard/OSRO Classification Statement
6. Insurance Certificate
7. Drug Testing Statement
8. Response Time Map
9. Equipment Deployment Certification Reports

Acme Products Co.
2666 N. Darlington - Tulsa, Oklahoma 74115
Phone: (918)836-7184 - Fax: (918)836-9197
www.acmeboom.com

January 2013

This is to acknowledge that Acme Products Co. has successfully deployed a representative sample of our spill response equipment, quarterly, during the last 12 months. The balance of our spill response equipment not deployed has been properly inspected, maintained, and documented to be in good operating condition.

This is also to acknowledge that our spill response personnel have received the necessary training to safely and effectively respond to an oil spill. A record of this training is on file for the last three (3) years and is available for review upon request.

Sincerely,

Andrew B. Altendorf
President

ABA/hmr
Emergency Prep Letter

Acme Products Co.
2666 N. Darlington - Tulsa, Oklahoma 74115
Phone: (918)836-7184 - Fax: (918)836-9197
www.acmeboom.com

SPILL RESPONSE EQUIPMENT AND PERSONNEL LIST

24 Hour Telephone Service and Pagers facilitate rapid response

Containment Boom: 5000' - 10,000' suitable for rivers, lakes, bays, harbors, near shore and inland waterways; 1,000' - 2,000' of Super Mini Boom for ditches, creeks, streams or sweeping on rivers and lakes.

4 Ea. - 36" Drum Skimmer

1 Ea. - 3" Mop Skimmer

Washdown Pumps: 4 Floating and 15 Portable High Pressure with 200' - 300' of 1 1/2" discharge hose.

Transfer Pumps: 2 - 3" Diaphragm and 3 - 3" Centrifugal Trash.

Blowers: 4 Backpack Type, 6 Hand Held

8 - Weedeaters and 2 Chainsaws

Boats: 4 - 16', 1 - 12' Aluminum with 25 H.P. Motors, Extra Motors, and Trailers

Trailers: 2 - 16 Ft. Boom Trailers

Response Type:

20 Ft. Closed Van Type with personnel equipment (boots, waders, gloves, coveralls, hard hats, goggles, safety glasses, filter masks, respirators, life jackets, etc.); propane torches and tanks; hand tools (shovels, pitchforks, rakes, dipnets, sledge hammers, brush hooks, squeegees, etc.); fuel tanks and safety cans; barricades with flashers, traffic cones and hazard tape; spare parts and motors; quick couplers for hose and pipe (1"-4"); repair couplers; tow/tie of bridles, add-on lead ballast weights and tow hitches for containment boom; rope, anchors, and buoys for anchoring containment boom; tarps, poly bags, metal stakes, filter fence wire; generators with lights.

Delivery Type:

2 @ 20 Ft. Closed Van Type for sorbents, boom, etc.
2 @ 20 Ft. Open Stakebody Type for boom, accessories, etc.
1 @ 16 Ft. Open Stakebody Type for boom, accessories, etc.

Page 2 - Spill Response Equipment and Personnel List

Vehicles:

1 - 4 Wheel Drive Tahoe
1 - 1 Ton Dual-Wheel 12Ft Stakebody Truck
1 - 1 Ton 4 Wheel Drive Crew Cab Truck
1 - ¾ Ton 4 Wheel Drive Pick-up Truck
1 - ½ Ton 4 Wheel Drive Pick-up Truck
1 - ½ Ton Pick-up Truck
1 - 4 Wheel Drive ATV with Trailer

Communication Equipment: Hand Held 2-Way Radios & Cell Phones

Poly Overpack Drums: 10-20 Each

Sorbents: 4-5 Truckloads of assorted types (booms, pads, rolls, etc.) for different hydrocarbons and applications (C.E.P., Acme, Oil Snares for Viscous Oil, Dicalite, Sphag-Sorb, and Kenaf Particulate).

Personnel: 10 to 15 experienced personnel capable of acting as supervisors, foreman, and equipment operators.

In the event of a major spill, we have established stand-by relationships with experienced contractors in the following locations:

Ardmore, OK
Denver, Colorado
San Antonio, Texas
Houston, Texas
Fort Worth, Texas
Galveston, Texas
Port Arthur, Texas
New Orleans, Louisiana
Memphis, Tennessee
Nashville, Tennessee
Long Beach, California
Birmingham, Alabama
Kansas City, KS
Baltimore, Maryland
Newark, New Jersey
Camden, New Jersey
Pittsburgh, Pennsylvania
Parkers Ford, Pennsylvania
Detroit, Michigan
Indianapolis, Indiana
Kinston, North Carolina
Seattle, Washington
Minneapolis/St.Paul Minnesota

Acme Products Co.
2666 N. Darlington - Tulsa, Oklahoma 74115
Phone: (918)836-7184 - Fax: (918)836-9197
www.acmeboom.com

OIL SPILL RESPONSE RATES AND POLICIES

Effective Date: January 1, 2013

PERSONNEL

	StraightTime
Laborer	$28.00/Hour
Spill Technician.	$40.00/Hour
Equipment Operator	$45.00/Hour
Foreman	$55.00/Hour
Supervisor	$66.00/Hour

Labor rates computed as follows:

Straight Time: Week Days, 8:00 AM to 4:00 PM
Time and One-Half: Week Days, 4:00 PM to 8:00 AM, Saturdays and Sundays - All Day
Double Time: Holidays - All Day

* Emergency Deliveries @ $2.75 per mile - one way.

Minimum four-hour labor charge

Charge for subsistence outside 50-mile radius of Tulsa, OK	$140.00/Day/Employee
Charge for P.P.E., Respirators, and hand tools	$ 65.00/Day/Employee

RENTAL POLICY

Minimum rental of one day on daily rated equipment

VEHICLES, BOATS AND TRAILERS

Four-Wheel Drive	$150.00/Day
Pickup Truck	$100.00/Day
Stake Body Truck (1 1/2 Ton)	$200.00/Day
Cargo Van Truck (16' - 24')	$225.00/Day
16' Boat with Outboard Motor	$250.00/Day
12' Boat with Outboard Motor	$175.00/Day
Response Trailer, 20' Van W/Spill Response Equipment	$350.00/Day
Delivery Trailers	$ 75.00/Day
Four Wheeler (ATV) with Trailer	$225.00/Day

RECOVERY EQUIPMENT AND ACCESSORIES

Oil Containment Boom - Acme "O.K. Corral" ..... $1..40/Ft/Day

Danforth Anchors with Mooring and Marker Buoys $150.00/Set/Spill
(If not retrievable, cost = $598.50/Set)

Acme Super Mini Boom (2 1/2" Float x 4" Skirt) ..... $ .75/Ft/Day

Boom Cleaning (Depending on type of contaminates) ..... $ .60/Ft. - .90/Ft

SKIMMERS, PUMPS, ETC.

Drum Skimmer w/ Air Compressor	$500.00/Day
Acme FS400ASK-39T Powered Skimmer	$200.00/Day
Acme FSV-39T Vacuum Skimmer	$150.00/Day
Acme Mop Skimmer	$300.00/Day
Acme Drum Skimmer With Power Pack	$500.00/Day
Acme FS150A-39G4 Floating Washdown Pump	$150.00/Day
Honda High Pressure Pumps - Washdown/Decon	$150.00/Day
Honda 3" Contractors Trash Pump	$150.00/Day
Backpack Blower	$ 75.00/Day
3" Suction Hose W/Fittings	$ 2.50/Ft/Spill
2" Suction Hose W/Fittings	$ 1.50/Ft/Spill
1 1/2" Suction Hose W/Fittings	$ 1.25/Ft/Spill
Trailer Mounted High Pressure Washer	$300.00/Day
3" Double Diaphragm Pump	$200.00/Day

MISCELLANEOUS EQUIPMENT

Trailer Mount Generator	$250.00/Day
Generator with Floodlights	$175.00/Day
Personnel - Decon Pool	$100.00/Day
Equipment - Decon Pool	$350.00/Day
Portable Radio(s) and Cellular Phone(s)	$ 45.00/Day
Chainsaw, Weed eater, Brush Cutter	$ 75.00/Day
20/30 Gallon Pollution Cans	$ 15.00/Spill
D.O.T. Poly Overpack Drums	$190.00/Spill
Life Jacket(s)	$ 25.00/Spill
Boots, Hip	$ 60.00/Spill
Boots, Chest Wader	$ 95.00/Spill
LEL and Draeger Monitoring Equipment	$ 50.00/Day

MISCELLANEOUS MATERIALS

Polypropylene Rope, 1/4" x 1000' Roll	$ 60.00/Roll
Polypropylene Rope, 1/2" x 1000' Roll	$180.00/Roll
Polypropylene Rope, 5/8" x 600' Roll	$180.00/Roll
Rags (25# Box)	$ 35.00/Box
Polyethylene Sheeting — Visqueen	$150.00/Roll
Heavy Duty Polyethylene Trash Bags	$ 2.00/Each
Heavy-Duty Metal Stakes	$ 10.00/Each

CLEANING EQUIPMENT: Cleaning Contaminated Equipment will be 1/4 to 1/2 Daily Rental Rate per Unit

STAND BY RATE: Negotiated based on circumstances

SORBENTS: Sorbents will be charged according to Acme's published spill list prices - (Available upon request)

OUTSIDE EQUIPMENT RENTAL

A 20% handling charge is added to any equipment, materials or service which we subcontract, purchase, or rent that is not listed on this rate sheet.

DISPOSAL

Disposal of waste products is the responsibility of the customer. However, upon customer request, transport/disposal of waste products can be arranged by Acme Products. A 20% handling fee will be added to any outside contractor, transportation or disposal site charges.

TERMS:

Invoices will be rendered either on a daily basis or at the completion of the individual job, depending on the duration of the job.

All rental charges, sell charges, service charges, prepaid transportation, cartage, etc. are payable NET CASH within ten (10) days from date of invoice. FINANCE CHARGES computed by a "PERIODIC RATE" OF ONE AND ONE-HALF PERCENT (1-1/2%) PER MONTH (18%) PER ANNUM, will be applied to any unpaid balance beginning thirty (30) days from invoice date. Should it become necessary to employ an attorney to collect any unpaid balance of an invoice, customer agrees to pay the fee of such attorney. Such fee is hereby fixed at twenty-five percent (25%) of the amount due or One Hundred Dollars ($100.00), whichever is greater.

Experienced Acme Products Company personnel are available for operating equipment and for instructional purposes. Personnel and transportation charges as shown on cost schedule will apply.

These terms and conditions are to be considered an integral part of Acme Products Company oil spill reclaiming service price schedules.

CONDITIONS:

The renter of Acme Products Company equipment and services agrees that Acme Products Company is an independent contractor and that all work be done under the exclusive control and supervision of renter (hereinafter called customer) or his agent. The work area, premises about the area, ingress and egress routes in the area, and services provided by others are at all times in complete care, custody, and control of the customer or his agent. The customer shall provide all state and local permits of whatever governmental documentation or authority is required to perform the job.

A responsible representative of the customer must be present to designate work area and ascertain conditions, to the best of his knowledge, under which Acme Products Company services or products will be used. Because of uncertain or unknown conditions and incidental hazards under which services are rendered, Acme Products Company does not guarantee the results of the work, services, or products, and all services are rendered at the customer's risk.

It is agreed that Acme Products Company shall not be liable or responsible for any loss, damage, or injury to said work area or customer facilities resulting from the use of its tools, equipment or services, or from acts of any person engaged in doing such work. The customer agrees to protect, indemnify and hold Acme Products Company, its agents and employees harmless from claims, damages, or causes of action asserted by customer employees, or by any third parties for personal injury or property damage including, without limitation, damage to work area, customer facilities or third party property, in any way arising out of the rental of Acme Products Company accessories, or other equipment and from any services rendered except that Acme Products Company shall be liable for injury caused by its intentional misconduct.

Conditions at the work area which prevent operation of Acme Products Company equipment or change in plans by the customer do not relieve the customer of his responsibility for personnel, rental, or transportation charges. A minimum of four (4) hours time for each Acme Products Company personnel responding to customer's request (all as shown in current price schedule attached) will be charged.

No employee, agent or representative of Acme Products Company has authority to alter, extend, or exceed these terms except an officer of Acme Products Company. Should customer violate any of these terms and conditions, become bankrupt, insolvent, in receivership, or should any creditor or person levy customer's property or equipment, Acme Products Company shall immediately have the right without notice to retake and remove its equipment wherever it may be found.

EQUIPMENT RENTALS

Equipment and tools used will be charged for at the posted rental prices which are subject to change without notice. The customer's responsibility herein begins when tools or equipment leave Acme Products Company service point and continue until they are returned.

Tools or equipment obtained from outside sources are subject to the condition, warranties, if any, and prices established by suppliers. (Special tools ordered and built will be charged at applicable shop time, plus minimum rental, whether or not the tools are used).

MINIMUM RENTALS:

The renter of Acme Products Company equipment agrees to a minimum rental time of one (1) calendar day commencing when the equipment leaves the Acme Products Company service point. Rental time shall be invoiced to the customer until the equipment is returned to the Acme Products Company point or until the customer makes other arrangements with Acme Products Company for return of equipment.

PERSONNEL TIME:

All personnel will be charged at the rates shown in the personnel price schedule. Time is charged when personnel leave Acme Products Company service point and continues until they return, or where subsistence and lodging charges are in force, from the time they leave their lodging until their return.

DAMAGE TO RECOVERY EQUIPMENT AND ACCESSORIES:

Ordinary wear and tear excepted, recovery equipment and accessories will be repaired at customer's expense.

LOSS OR DAMAGE BEYOND REPAIR OF PROTECTIVE CLOTHING, HAND TOOLS AND MISCELLANEOUS EQUIPMENT:

Loss or damage beyond repair of miscellaneous equipment will be charged at replacement costs less accrued rental fees. All equipment damaged beyond repair will be held up to ten days for the customer's inspection or disposition.

TAXES:

All federal, state or municipal taxes, except income and ad valorem taxes, now or hereafter imposed with respect to services rendered; to rental equipment; to the processing, manufacture, repair, delivery, transportation of merchandise or equipment shall be added to and become a part of the price payable by the customer.

INSURANCE:

Acme Products Company shall maintain at all times the following insurance, in amounts not less than those respectively specified: (a) Workmen's Compensation insurance complying with the laws of each state in which the work is to be performed, $100,000/$500,000/$100,000; (b) Employer's liability insurance, $500,000 combined single limit; (c) Automotive and general liability insurance, $500,000 combined single limit; and shall furnish evidence satisfactory that such insurances are in effect.

RESPONSIBILITY FOR WORK:

Work in progress, including all property and charges for labor and rental equipment, shall be exclusive responsibility of the customer. If the customer obtains insurance protections against such risks or part thereof Acme Products Company and its insurers shall have full waiver of subrogation by the customer and customer's insurers, and such customer-obtained insurance shall bear all losses thereby insured against and up to the full amount of such insurance without any contribution by Acme Products Company or its insurer and without any proration of loss between the customer's insurer and Acme Products Company or its insurers. If requested, Acme Products company shall provide such insurance as hereinafter stated.

ADDITIONAL INSURANCE:

Acme Products Company agrees to use its best efforts to procure additional insurance or to increase the limits of the policies listed above if requested by the customer. However, the cost of any additional insurance is to be charged as outside services arranged by Acme Products Company and invoiced to the customer at Acme Products Company's cost plus 20%.

LIMITATIONS:

Acme Products Company obligation, if assumed, to indemnify customer from all claims, liabilities and causes of action based upon Acme Products Company's negligence or that of Acme Products Company's employees, agents or subcontractors shall be limited strictly to and shall not exceed Acme Products Company insurance coverage, which insurance coverage and its limitations and exclusion are explained hereinafter. Accordingly to the extent that the damage or destruction not be within the insurance cover, customer shall pay Acme Products Company for repairs or replacement at the rates set forth herein.

COMPANY NAME: _____

AUTHORIZED SIGNATURE: _____

DATE: _____

U.S. Department of Homeland Security
United States Coast Guard

Commander
National Strike Force Coordination Ctr.

1461 North Road Street
Elizabeth City, NC 27909
Staff Symbol:
Phone: 252-331-6000
FAX: 252-331-6012

16465

ACME Products Company
Attn: David Pollard
2666 N. Darlington
Tulsa, OK 74115

JUL 2 6 2006

Dear Mr. Pollard,

Your application for classification as an Oil Spill Removal Organization (OSRO) has been reviewed and processed as outlined in the Coast Guard OSRO Classification Guidelines dated 27 April 2001. You are assigned OSRO classification number 0010; please use this number in all future correspondence to this office. You have received the following classifications:

Captain of the Port (COTP) Zone	Environment	Facility	Vessel
Sector Lower Mississippi	River/Canal/Inland	MMPD	MMPD
Sector Upper Mississippi	River/Canal/Inland	MMPD	MMPD

Enclosure (1) is a CD containing your classification information. On the CD, you will find a summary of your classifications by environment and COTP zone and a summary of the resource totals for boom, Temporary Storage Capacity (TSC), and Effective Daily Recovery Capacity (EDRC) used to determine these classifications. Our files will be updated to reflect your current status; please inform your clients of the same. Your classifications will also be listed on the OSRO Classification Matrix available on the Internet at:

http://www.uscg.mil/hq/nsfweb/nsfcc/ops/OSRO/links/osroinfoonclssifiedosro.html

The Coast Guard is transitioning to a Sector organization which consolidates field operational and marine safety functions. MSO Memphis is now Sector Lower Mississippi. MSO Saint Louis is now Sector Upper Mississippi.

If you have any questions or would like more information regarding your classifications, please contact any of the Response Resource Assessment Branch or the Response Resource Inventory Branch staff. Our contact information can be found in Enclosure (2).

Thank you for your participation in the OSRO program; your efforts to strengthen our national response capabilities are greatly appreciated.

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 12/10/2012

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER 1-918-584-1433
Arthur J. Gallagher Risk Management Services, Inc.

P.O. Box 3142

Tulsa, OK 74101-3142
Walter P. Bryce, Jr

CONTACT NAME: Angela Lupton
PHONE (A/C, No, Ext): 918-764-1619 FAX (A/C, No):
E-MAIL ADDRESS: angela_lupton@ajg.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : COLONY INS CO	39993
INSURER B : COMPSOURCE OK	36188
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Acme Environmental, Inc.
dba Acme Products Company
2666 N Darlington

Tulsa, OK 74115

COVERAGES **CERTIFICATE NUMBER:** 30585890 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY	X	X	EPK301067	11/16/12	01/01/14	EACH OCCURRENCE	$ 1,000,000
	X COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 300,000
	CLAIMS-MADE X OCCUR						MED EXP (Any one person)	$ 25,000
	X Pollution Coverage						PERSONAL & ADV INJURY	$ 1,000,000
							GENERAL AGGREGATE	$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
								$
A	AUTOMOBILE LIABILITY			AB8123892	11/16/12	01/01/14	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS / X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
A	UMBRELLA LIAB X OCCUR			EXC301068	11/16/12	01/01/14	EACH OCCURRENCE	$ 10,000,000
	X EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 10,000,000
	DED RETENTION $							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			02049322	01/01/13	01/01/14	X WC STATU-TORY LIMITS / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A					E.L. EACH ACCIDENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
See Attached

CERTIFICATE HOLDER

For Informational Purposes Only

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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AGENCY CUSTOMER ID: _____

LOC #: _____

ADDITIONAL REMARKS SCHEDULE

Page ____ of ____

AGENCY	NAMED INSURED
Arthur J. Gallagher Risk Management Services, Inc.	Acme Environmental, Inc. dba Acme Products Company 2666 N Darlington Tulsa, OK 74115
POLICY NUMBER	
CARRIER / NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: _____ FORM TITLE: _____

Certificate Holder is included as Additional Insured on the General Liability, policy, as per GL endorsement # EV 238, edition 02/12, endorsement # EV 242, edition 03/12.

Waiver of Subrogation applies to certificate holder, as respects General Liability policy, pursuant to and subject to the policy's terms, definitions, conditions and exclusions.

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NCMS
NATIONAL COMPLIANCE
Management Service, Inc.
DOT Department

7 Compound Drive
Hutchinson, Kansas 67502
[620] 669-0954 Phone
[620] 669-8430 Fax
www.nationalcompliance.com

March 10, 2010

ACME PRODUCTS COMPANY
MR. ANDREW ALTENDORF
2666 NORTH DARLINGTON AVENUE
TULSA, OK 74115

MR. ANDREW ALTENDORF

Re: Review of Drug/Alcohol Plan for Compliance with 49 CFR Part 199 and Part 40

As requested by our pipeline operator clients your anti-drug plan and alcohol misuse prevention plan programs have been evaluated per this pipeline operator's regulatory obligation as set forth in Part 40 and 49 CFR Part 199.115 & Part 199.245. The results of the evaluation are as follows:

Your company drug/alcohol plan was found to be satisfactory per the regulations stated above.

The timely submission of statistical data is a continuous requirement to maintain your satisfactory status and the report must be received within 30 days after the end of the reporting period. Failure to provide the requested documentation could result in the removal of your satisfactory status with our pipeline clients.

This satisfactory letter indicates that your DOT contractor file has been reviewed and found to meet all the minimum PHMSA and DOT requirements for the NCMS pipeline operators exclusively. This letter cannot be used to satisfy any other pipeline operator requirements and/or any other DOT auditor compliance.

Your company's drug and alcohol file will be periodically reviewed to maintain your satisfactory status.

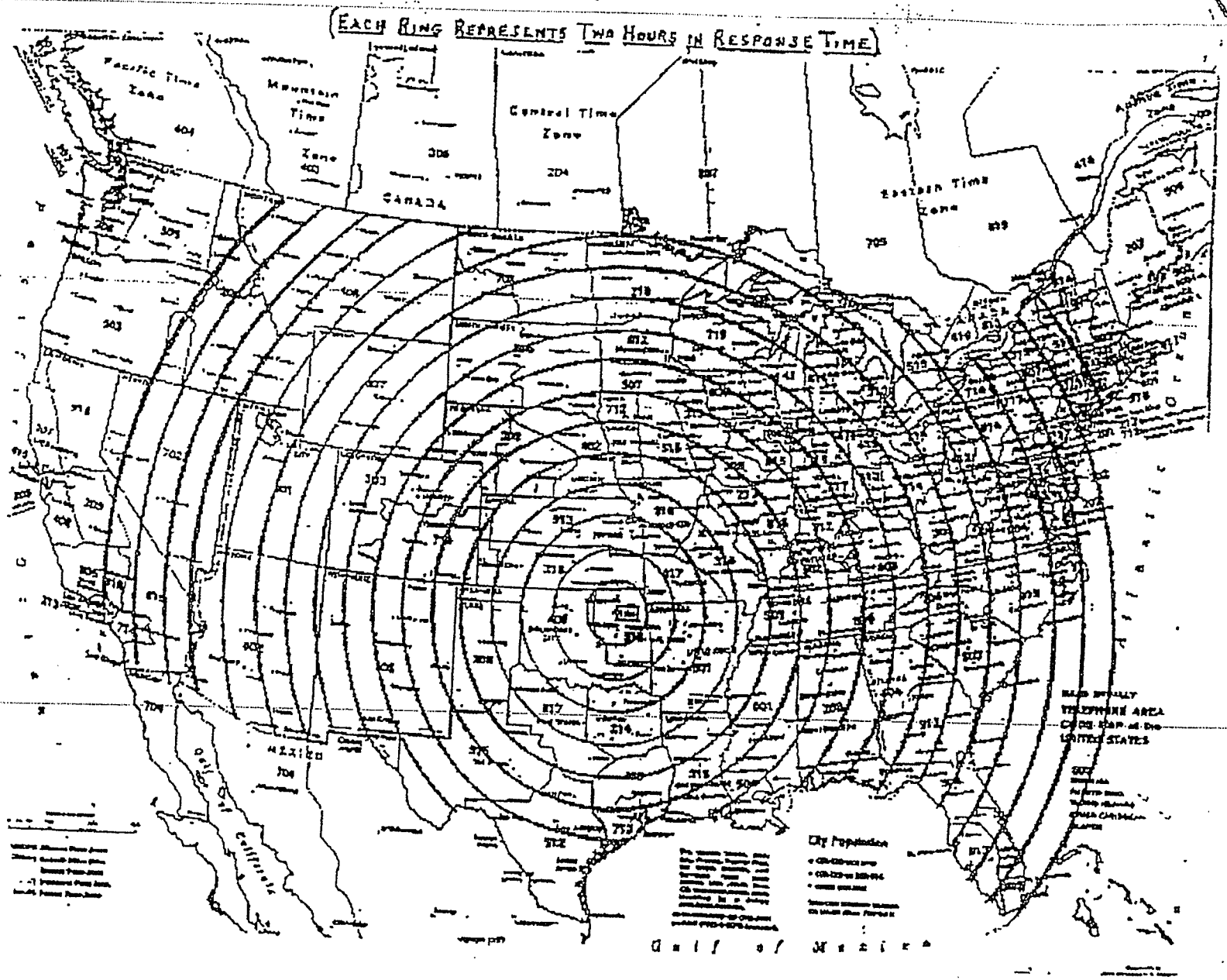
If you have any questions concerning this evaluation, please feel free to contact this office.

Sincerely,
DOT Department

Stacey Baughman - Manager
ph: (620) 669-4426
email: stacey@nationalcompliance.com

Tricia Radke - Auditor
ph: (620) 669-4423
email: tricia@nationalcompliance.com

David Higdon - Auditor
ph: (620) 669-4436
email: david@nationalcompliance.com



PHMSA 000107369

Acme Products Co.
2666 N. Darlington - Tulsa, Oklahoma 74115
Phone: (918)836-7184 - Fax: (918)836-9197
www.acmeboom.com

ANNUAL EQUIPMENT DEPLOYMENT CERTIFICATION REPORT

Documentation of equipment used during spill response, drills or training.

This report is used for crediting the response plan holders for OSRO equipment deployment under the Preparedness Response Exercise Program (PREP), all deployments, whether during actual spill response, training or exercise/drills must be properly documented. The contractor must certify that: 1) Response equipment is operational; 2) Personnel are capable of deploying and operating the equipment in a spill response; and 3) Response resources participate in annual deployment drills.

PLEASE PROVIDE THE FOLLOWING INFORMATION (use additional sheet(s) if necessary):

OSRO NAME: Acme Environmental Inc. dba Acme Products Company

ADDRESS: 2666 N. Darlington Ave., Tulsa, OK 74115

TEL (24 HR SERVICE): 918-836-7184

CENTERS: Tulsa, Oklahoma

MSO/COTP ZONE(S) OR EPA REGION(S):
Lower/Upper Mississippi

RESPONSE DATE: February 07, 2012

ENVIRONMENT (CIRCLE ONE)

PROTECTED SHELTERED (UNSHELTERED)

GEOGRAPHICAL DESCRIPTION (FACILITY, BODY OF WATER, MILES OFFSHORE):
2.5 miles of irrigation channel, Chickasha, Oklahoma

EQUIPMENT DEPLOYED: [List all types of boom (minimum 1,000 ft. of solid log flotation, air inflated, self inflated, skimmers (including vacuum trucks), boats, temporary storage devices, Command/Communications Center.]

2,000 ft. of 18" containment boom, 36" drum skimmer, 16' boom trailer, 20' response trailer, 4 Honda wash pumps with hoses, 2 blowers, 3 – 4x4 trucks, 1 – 1 ½ ton stake body truck, 2 pallets of 5" sorbent boom, 2 pallets sorbent pads, 20 rolls poly bags

PERSONNEL: [List by category and number (supervisor, foreman, equipment operator, technician, etc.)]

1 – Supervisor, 2 – Foreman, 8 – Spill Techs

ADDITIONAL REMARKS:

I certify that:

1) *The equipment used is in good working order and was properly operated in the environment indicated;*
2) *The involved personnel demonstrated competency in deployment and operation of the equipment.*

Dave Pollard, Vice-President

1-7-2012
Date

Acme Products Co.
2666 N. Darlington - Tulsa, Oklahoma 74115
Phone: (918)836-7184 - Fax: (918)836-9197
www.acmeboom.com

ANNUAL EQUIPMENT DEPLOYMENT CERTIFICATION REPORT

Documentation of equipment used during spill response, drills or training.

This report is used for crediting the response plan holders for OSRO equipment deployment under the Preparedness Response Exercise Program (PREP), all deployments, whether during actual spill response, training or exercise/drills must be properly documented. The contractor must certify that: 1) Response equipment is operational; 2) Personnel are capable of deploying and operating the equipment in a spill response; and 3) Response resources participate in annual deployment drills.

PLEASE PROVIDE THE FOLLOWING INFORMATION (use additional sheet(s) if necessary):

OSRO NAME: Acme Environmental Inc. dba Acme Products Company

ADDRESS: 2666 N. Darlington Ave., Tulsa, OK 74115

TEL (24 HR SERVICE): 918-836-7184

CENTERS: Tulsa, Oklahoma

MSO/COTP ZONE(S) OR EPA REGION(S):
Lower/Upper Mississippi

RESPONSE DATE: February 11, 2012

ENVIRONMENT (CIRCLE ONE)

PROTECTED SHELTERED UNSHELTERED

GEOGRAPHICAL DESCRIPTION (FACILITY, BODY OF WATER, MILES OFFSHORE):
Keystone water flood area, Mannford, OK

EQUIPMENT DEPLOYED: [List all types of boom (minimum 1,000 ft. of solid log flotation, air inflated, self inflated, skimmers (including vacuum trucks), boats, temporary storage devices, Command/Communications Center.]

1200' solid log flotation containment boom, 1 – 16' boat, 1 – response trailer, 1 – drum skimmer, 3 – wash pumps, 2 – blowers, 3 – 4x4 trucks

PERSONNEL: [List by category and number (supervisor, foreman, equipment operator, technician, etc.)]

1 – Supervisor, 1 – Foreman, 9 - Technicians

ADDITIONAL REMARKS:
Emergency response – Crude Oil Spill

I certify that:

1) *The equipment used is in good working order and was properly operated in the environment indicated;*
2) *The involved personnel demonstrated competency in deployment and operation of the equipment.*

Dave Pollard, Vice-President

1-11-2012
Date

Acme Products Co.
2666 N. Darlington - Tulsa, Oklahoma 74115
Phone: (918)836-7184 - Fax: (918)836-9197
www.acmeboom.com

ANNUAL EQUIPMENT DEPLOYMENT CERTIFICATION REPORT

Documentation of equipment used during spill response, drills or training.

This report is used for crediting the response plan holders for OSRO equipment deployment under the Preparedness Response Exercise Program (PREP), all deployments, whether during actual spill response, training or exercise/drills must be properly documented. The contractor must certify that: 1) Response equipment is operational; 2) Personnel are capable of deploying and operating the equipment in a spill response; and 3) Response resources participate in annual deployment drills.

PLEASE PROVIDE THE FOLLOWING INFORMATION (use additional sheet(s) if necessary):

OSRO NAME: Acme Environmental Inc. dba Acme Products Company

ADDRESS: 2666 N. Darlington Ave., Tulsa, OK 74115

TEL (24 HR SERVICE): 918-836-7184

CENTERS: Tulsa, Oklahoma

MSO/COTP ZONE(S) OR EPA REGION(S):
Lower/Upper Mississippi

RESPONSE DATE: February 15, 2012

ENVIRONMENT (CIRCLE ONE)

PROTECTED SHELTERED UNSHELTERED

GEOGRAPHICAL DESCRIPTION (FACILITY, BODY OF WATER, MILES OFFSHORE):
Port of Catoosa, Catoosa, Oklahoma

EQUIPMENT DEPLOYED: [List all types of boom (minimum 1,000 ft. of solid log flotation, air inflated, self inflated, skimmers (including vacuum trucks), boats, temporary storage devices, Command/Communications Center.]
500' containment boom, 2 – 16' boats, 1 – response trailer

PERSONNEL: [List by category and number (supervisor, foreman, equipment operator, technician, etc.)]
1 – Supervisor, 2 – Equipment Operators, 5 – Spill Techs

ADDITIONAL REMARKS:
Training Exercise

I certify that:

1) *The equipment used is in good working order and was properly operated in the environment indicated;*
2) *The involved personnel demonstrated competency in deployment and operation of the equipment.*

Dave Pollard, Vice-President

1-15-2012
Date

Acme Products Co.
2666 N. Darlington - Tulsa, Oklahoma 74115
Phone: (918)836-7184 - Fax: (918)836-9197
www.acmeboom.com

ANNUAL EQUIPMENT DEPLOYMENT CERTIFICATION REPORT

Documentation of equipment used during spill response, drills or training.

This report is used for crediting the response plan holders for OSRO equipment deployment under the Preparedness Response Exercise Program (PREP), all deployments, whether during actual spill response, training or exercise/drills must be properly documented. The contractor must certify that: 1) Response equipment is operational; 2) Personnel are capable of deploying and operating the equipment in a spill response; and 3) Response resources participate in annual deployment drills.

PLEASE PROVIDE THE FOLLOWING INFORMATION (use additional sheet(s) if necessary):

OSRO NAME: Acme Environmental Inc. dba Acme Products Company

ADDRESS: 2666 N. Darlington Ave., Tulsa, OK 74115

TEL (24 HR SERVICE): 918-836-7184

CENTERS: Tulsa, Oklahoma

MSO/COTP ZONE(S) OR EPA REGION(S):
Lower/Upper Mississippi

RESPONSE DATE: May 23, 2012

ENVIRONMENT (CIRCLE ONE)

PROTECTED SHELTERED UNSHELTERED

GEOGRAPHICAL DESCRIPTION (FACILITY, BODY OF WATER, MILES OFFSHORE):
Port of Catoosa, Catoosa, OK

EQUIPMENT DEPLOYED: [List all types of boom (minimum 1,000 ft. of solid log flotation, air inflated, self inflated, skimmers (including vacuum trucks), boats, temporary storage devices, Command/Communications Center.]
800' solid log flotation containment boom, 300' – 5" sorbent boom, 4 – 16' boat, 1 – response trailer, 3 – 4x4 trucks

PERSONNEL: [List by category and number (supervisor, foreman, equipment operator, technician, etc.)]
1 – Supervisor, 1 – Foreman, 7 – Spill Techs

ADDITIONAL REMARKS:
Emergency response – Hydraulic Fluid Spill

I certify that:

1) *The equipment used is in good working order and was properly operated in the environment indicated;*
2) *The involved personnel demonstrated competency in deployment and operation of the equipment.*

Dave Pollard, Vice-President

5-23-2012
Date

Acme Products Co.
2666 N. Darlington - Tulsa, Oklahoma 74115
Phone: (918)836-7184 - Fax: (918)836-9197
www.acmeboom.com

ANNUAL EQUIPMENT DEPLOYMENT CERTIFICATION REPORT

Documentation of equipment used during spill response, drills or training.

This report is used for crediting the response plan holders for OSRO equipment deployment under the Preparedness Response Exercise Program (PREP), all deployments, whether during actual spill response, training or exercise/drills must be properly documented. The contractor must certify that: 1) Response equipment is operational; 2) Personnel are capable of deploying and operating the equipment in a spill response; and 3) Response resources participate in annual deployment drills.

PLEASE PROVIDE THE FOLLOWING INFORMATION (use additional sheet(s) if necessary):

OSRO NAME: Acme Environmental Inc. dba Acme Products Company

ADDRESS: 2666 N. Darlington Ave., Tulsa, OK 74115

TEL (24 HR SERVICE): 918-836-7184

CENTERS: Tulsa, Oklahoma

MSO/COTP ZONE(S) OR EPA REGION(S):
Lower/Upper Mississippi

RESPONSE DATE: October 10, 2012

ENVIRONMENT (CIRCLE ONE)

PROTECTED SHELTERED UNSHELTERED

GEOGRAPHICAL DESCRIPTION (FACILITY, BODY OF WATER, MILES OFFSHORE):
Kaw Lake, Oklahoma

EQUIPMENT DEPLOYED: [List all types of boom (minimum 1,000 ft. of solid log flotation, air inflated, self inflated, skimmers (including vacuum trucks), boats, temporary storage devices, Command/Communications Center.]

1100' solid log flotation containment boom, 2 – 16' boat, 1 – response trailer, 1 – 36" drum skimmer, 3 – floating wash pumps, 1 – 2" high pressure pump

PERSONNEL: [List by category and number (supervisor, foreman, equipment operator, technician, etc.)]

1 – Supervisor, 1 – Foreman, 8 – Spill Techs

ADDITIONAL REMARKS:
Training exercise

I certify that:

1) *The equipment used is in good working order and was properly operated in the environment indicated;*
2) *The involved personnel demonstrated competency in deployment and operation of the equipment.*

Dave Pollard, Vice-President

10-10-2012
Date

COMPANY'S ORIGINAL

MASTER EMERGENCY SPILL RESPONSE AGREEMENT (OSRO Classified)

by and between

Magellan Terminals Holdings, L.P.

and

Anderson Pollution Control, Inc.

Contract Number MESRA 12MMLP111

Effective November 2, 2012

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

THIS MASTER EMERGENCY SPILL RESPONSE AGREEMENT ("Agreement"), entered into to be effective this 2nd day of November 2012 by and between, **ANDERSON POLLUTION CONTROL, INC.**, a Texas corporation with its principal place of business in **Conroe, Texas** ("Contractor") and **MAGELLAN PIPELINE COMPANY, L.P.** a Delaware limited partnership, with its principal place of business in **Tulsa, Oklahoma** ("Company") hereinafter jointly referred to as "Parties" or singularly as "Party".

WHEREAS, Company operates refined petroleum products pipeline system, terminals and ammonia pipeline system and may from time to time experience a release or spill of product that requires emergency response and follow-up services to assist Company in controlling and mitigating such spills;

WHEREAS, Contractor is experienced in providing emergency response and follow-up services to spills such as the type as Company may have;

WHEREAS, Company desires Contractor to assist Company in providing emergency response and follow-up services to spills if requested, and Contractor desires to perform such services when requested; and

NOW THEREFORE, for and in consideration of the mutual promises herein contained and for other good and valuable consideration, the Parties agree as follows:

1. **Definitions**

1.1 "Company Spill Response Request" shall mean a request by Company to Contractor for Spill Response Dispatch or Spill Response Standby.

1.2 "Hazardous Waste (or Waste)" shall mean Product(s) and/or any material or substances contaminated with the Product(s).

1.3 "Laws" shall mean all applicable federal, state, county, local laws, regulations and ordinances, including without limitation, those issued under the auspices of the USCG, MMS, OPS, EPA, OPA 90, OSRO, PREP, Department of Transportation ("DOT"), the Occupational Safety and Health Administration ("OSHA"), RCRA and CERCLA or any other authority having jurisdiction over the work.

1.4 "OPA 90" shall mean the Oil Pollution Act of 1990.

1.5 "OSRO" shall mean the Oil Spill Removal Organization contained in the Guidelines for the U.S. Coast Guard OSRO Classification Program.

1.6 "PREP" shall mean the National Preparedness For Response Exercise Program issued under the OPA 90 jointly by the U.S. Coast Guard ("USCG"), the Environmental Protection Agency ("EPA"), the Office of Pipeline Safety ("OPS"), and the Minerals Management Services ("MMS").

25. **Assignments**

Neither this Agreement, nor any claim for payment of sums due or to become due, or for damage or penalty by reason of alleged breach, shall be assignable in whole or in part by Contractor or by operation of law, without the prior written consent of Company. Any purported assignment without such consent shall be void.

26. **Independent Contractor**

In performance of the work, the Contractor shall at all times be an independent contractor and the relation of the parties in the Agreement shall in no event be construed as constituting any other relationship.

27. **Non-Exclusivity**

Nothing in this Agreement shall require Company to solely utilize the services of Contractor or to ever utilize Contractor's services.

28. **Applicable Law**

This Agreement shall be governed by, and in accordance with, the laws of the State of Oklahoma without regard to principles of conflicts of laws.

29. **Entire Agreement**

This Agreement states the entire agreement between the parties with respect to the subject matter thereof and supersedes all prior agreements and understandings, whether oral or written, between the parties with respect to the subject matter hereof and may not be amended except by written instrument executed by the parties hereto. Release or waiver of any default or the failure to assert any right under this Agreement shall not be deemed in any case to be confirming waiver as to constitute an amendment of this Agreement. All Exhibits referenced herein and attached hereto are incorporated by reference as part of this Agreement.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed effective as of the date first above written by their duly authorized representatives below.

Magellan Terminals Holdings, L.P. By Magellan NGL, LLC, its General Partner	**Anderson Pollution Control, Inc.**
By:	By:
Name: Rick Fahrenwald	Name: Tommy Anderson
Title: Director, EHSS	Title: President
Date: 11/2/12	Date: 8/8/2012

EXHIBIT G

ANNUAL ACKNOWLEDGEMENT OF MASTER EMERGENCY SPILL RESPONSE AGREEMENT (MESRA)

In order to verify the status of Contractor's response teams, this acknowledgement form must be completed and signed by Contractor, and then submitted to Company not later than the 30th day of January annually.

Submittal of this form is required per MESRA paragraph 24 (c); however, failure to submit this document timely does not in any way constitute an abrogation of the terms and conditions of the MESRA.

Execution of this acknowledgement by Contractor's representative will serve as certification that Magellan Pipeline Company, L.P. has complied with the preparedness and prevention sections for securing arrangements with a hazardous materials cleanup contractor **Anderson Pollution Control, Inc.** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: Davian M. Ploger Davian M. Ploger

Title: President / COO

Signature: Davian M. Ploger

Date: 1-9-2013

Complete this form annually and submit to:

Magellan Midstream Partners, L.P.
Holly Warner – Project Analyst III
One Williams Center, MD 30
Tulsa, Oklahoma 74172

Email: holly.warner@magellanlp.com

Southern District Spill Response Plan (560)
FRP Review of WCD, Response Resources
July, 2010

Summary: The April, 2010 explosion and fire of the Deepwater Horizon drilling unit in the Gulf of Mexico has led to a massive release of crude oil. The spill is diverting resources from all over the nation to the gulf, potentially affecting the availability of resources identified in operator's Pipeline Response Plans.

In Advisory Bulletin (ADB-10-05), PHMSA has formally requested pipeline operators, "review their oil spill response plans and update, as necessary: the calculation of a worst case spill scenario for their pipeline facility; the identification of resources needed to respond, to the maximum extent practicable, to the scenario; and an assessment of the resources' remaining capability given the ongoing relocation of resources to the Gulf. PHMSA has additionally requested operators confirm that drills have been performed at the frequency specified in their plans

Section 1: Worst Case Discharge (WCD) Review
The WCD for the Southern District remains a (b) (7)(F) [redacted] located in E. Houston, TX. (b) (7)(F) [redacted]. The WCD volume is calculated at 50% of the storage (b) (7)(F) [redacted]. (SEE section C.4 Spill Volume Calculations)

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%

Because of the terrain features surrounding the facility, a worst case discharge could result in a discharge to the Huntington Bayou and eventual impact of the Houston Ship Channel, a Tier 1 High Volume area. To calculate the planning volumes for onshore recovery:

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

Since the crude would be most likely to affect water, the on-water recovery planning volume would be:

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

Planned percent oil on-water recovery 50%
Planning volume: (b) (7)(F) [redacted]

Section 2:
To determine required resources for on-water recovery for each tier:

	Tier 1	Tier 2	Tier 3
Inland = (b) (7)(F) [redacted]	× .15	× .25	× .40
Barrels per day (pbd)	(b) (7)(F) [redacted]		
Response Capability Caps			

Resource availability requirements

	Tier 1	Tier 2	Tier 3
High volume area	6 hrs	30 hrs	54 hrs.
All other areas	12 hrs	36 hrs	60 hrs.

The Houston ship channel is a high volume area, so tiers are based on 6/30/54 hrs availability.

July 2010 Skimmer Inventory
Tier 1

Company	Total Capacity	Location	Distance	Time*
Oil Mop	1200	Houston	0	1
Oil Mop	1200	Port Arthur	87	3
USES	2400	Houston	0	1
Garner	2400	Port Arthur	87	3
Garner	22628	Galveston	55	2
Garner	23828	Deer Park	0	1
Eagle	0	0	0	0
Clean Channel	24408	Pasadena	0	1
Clean Channel	7200	Freeport	72	3
Total Daily	85264			

Tier 2

Company	Total Capacity	Location	Distance	Time
A-Clean	36000	Wilson, OK	353	10
Dillon	1200	Ardmore, OK	353	10
Acme	6000	Tulsa	498	15
Magellan	1029	El Dorado, KS	629	18
TAS	18000	Ft. Worth, TX	272	8
Total Daily	62229			

Skimmer availability is in excess of requirements.

*Time is computed at 35 mph.

Boom Inventory

Tier 1 Response

Company	Length	Location	Distance	Time*
TAS	1000	Austin	167	5
Oil Mop	3000	E. Houston	0	1
USES	0	Houston	0	0
Garner	20000	E. Houston	0	1
Clean Channel	4700	E. Houston	0	1
Magellan	100	E. Houston	0	0
Eagle	0	E. Houston	0	0
Garner	5000	Port Arthur	87	3
Total	33800			

Tier 2 Response

Company	Length	Location	Distance	Time*
Acme	18000	Tulsa	498	15
A-Clean	10300	Wilson, OK	353	10
Dillon	2000	Wilson, OK	353	10
Dillon	1000	Wilson, OK	353	10
TAS	1000	Fort Worth	272	8
TAS	1000	Dallas	244	7
Total	33300			

Total available boom appears adequate for a robust response.

*Magellan facility boom counted on EPA plan, but not on PHMSA plan.

July, 2010 OSRO Resource Review.

Each listed OSRO was contacted to confirm the availability of spill response equipment. Contact was made during the time period of June 23, 2010 to July 16, 2010.

Company	Equipment
Clean Channel**	Sent detailed equipment list
Eagle	No equipment available
USES- Houston	No boom, 2- 35gpm skimmers
Garner	20K boom Deer Park, 5K boom Port Arthur, 2-36" skimmers Port Arthur, The following skimmers split between Galveston and Deer Park : 5-35gpm, 2-150gpm, 2-440gpm
Oil Mop	1-36" skimmer Houston, 1-36" skimmer Port Arthur
TAS	1,000' boom Dallas, 1,000' boom Ft. Worth, 1,000' boom Austin 4 skimmers combined 18,000bpd in Ft. Worth
LePier	No change in their equipment
A-Clean	3-350gpm skimmers, 10,300' boom
Acme	2 skimmers with combined 175gpm, 18,000' boom
WCEC	No Change in equipment list
Bay West	Sold 4,000' boom, still retained 5,000' boom with access to 4,000' Wakota Caer boom, retained all other equipment.
Dillon**	1 skimmer, 3,000' boom, rest in GOM
Hazmat	Sent updated equipment list
Veolia	Sent updated equipment list
Heritage – Lemont	137bpd skimmer
Heritage – St. Louis	6000' boom, 137bpd skimmer
Heritage – KC	137bpd skimmer
Heritage – Tulsa	137bpd skimmer

**Contract being processed.

CLEAN CHANNEL ASSOCIATION

APPLICATION FOR MEMBERSHIP TO CLEAN CHANNEL ASSOCIATION

COMPANY NAME: MAGELLAN TERMINALS HOLDINGS, L.P.

ADDRESS: 12901 AMERICAN PETROLEUM Rd.
GALENA PARK, TX. 77547

	NAME	PHONE NO.	FAX NO.
DESIGNATED REPRESENTATIVE:	Michael McDonald	713-330-2722	713-330-2705
ALTERNATE:	Gerald Norris	713-330-2758	713-330-2705

TYPE OF COMPANY (CHECK/COMPLETE ONE):

○ PETROLEUM REFINERY
Number of qualified barrels transferred in the previous year

● BULK STORAGE TERMINAL OR DOCK OPERATOR
Number of qualified barrels transferred in the previous year

○ RESIDENT BARGE OR SHIP OPERATOR
Number of qualified barrels transferred in the previous year

○ PIPELINE OPERATOR

○ TUG BOAT OPERATOR

○ CHEMICAL PLANT OR COMMERCIAL HANDLER OF NON-RECOVERABLE HAZARDOUS MATERIALS

○ PRODUCTION OPERATOR

Qualified barrels means the number of qualified barrels as defined by the Marine Preservation Association "MPA Substances" (i) transported by vessels within the coverage area or (ii) for terminals and/or docks, the number of qualified barrels transferred to and from the terminal or dock and a vessel.

IN WITNESS WHEREOF, the parties have executed this agreement as of the date first above written.

CLEAN CHANNEL ASSOCIATION, INC.

By: S P Glenn
S. P. Glenn, President

Name of the Member:

MAGELLAN TERMINALS HOLDINGS. L.P.

By: Michael McDonald

Print Name: MICHAEL Mc DONALD

Title: AREA SUPERVISOR

Address: 12901 AMERICAN PETROLEUM Rd.
GALENA PARK. TX 77547

SA: 12/3/91

CLEAN CHANNEL ASSOCIATION OWNED EQUIPMENT

A. Equipment located at CCA/Pasadena office/warehouse

1. Trailer containing 1700 feet of 18" oil spill containment boom with related equipment including, without limitation, tow bridals and anchors;
2. Trailer containing 1000 feet of 24” oil spill containment boom
3. Two 18' outboard powered workboats
4. Three each three-inch diesel driven portable pumps with portable hoses
5. Two each two-inch diesel driven portable pumps with hoses
6. One Pharos Marine GT-185 skimming system with hydraulic power pack
7. One Gastech LEL/OXY/H_2S meter
8. 2,000 feet of 8" oil spill containment boom
9. Two portable weir skimmers (Douglas 18000)
10. Sludgemaster Pump for heavy oils (300 gpm)
11. 40’ shipping container
12. One 18’ Boston Whaler with 150 hp engine
13. One LORI skimming system mounted on a 26' vessel with 20 bbls storage.
14. One JBF DIP 402 Skimmer Vessel
15. One 24’ decontamination trailer, supplies for 100 showers, and cleaning materials

B. One 40' shipping container located at Dow Chemical Co., Freeport, Texas equipped with the following:

1. 1,400 feet of 36" oil spill containment boom with related equipment including, without limitation, tow bridals and anchors
2. One each three-inch diesel driven portable pump with portable hoses
3. One portable wier skimmer (Douglas 18000)
4. One 2,100 gal. Fastank portable storage container

C. The following equipment is owned by Clean Channel Association and normally stored on board vessels *Clean Channel 2* and *Clean Channel 3*:

1. 1,000 feet of 18" oil spill containment boom (each skimmer barge)
2. One portable wier skimmer (Douglas 18000) with hoses (each skimmer barge)

D. One 20' trailer located at T&T Marine Salvage, Galveston, Texas, containing 1,000 feet of 18" oil spill containment boom.

E. One LORI skimming system mounted on a 24' vessel with 50 bbls storage located in Freeport, Texas.

F. One JBF DIP 402 Skimmer Vessel located at Shell Oil Deer Park Refinery.

1. 2,000 feet of 24” oil spill containment boom

G. 1000 feet of 24” oil spill containment boom located at Westway Terminal, Galena Park, TX

CLEAN CHANNEL ASSOCIATION, INC.
LEASED EQUIPMENT

Clean Channel 2 and *Clean Channel 3* -
Two (2) recovery barges 30' x 120' with 1,500 bbl capacity with oil recovery system and related equipment including:

1. built-in weir skimming system
2. cargo pump 4", electric driven
3. trash pump 3", electric driven, 3 each
4. 100kw diesel powered generator
5. three (3) 2" double diaphragm air pumps
6. two Elastec Model 136 2-drum drum skimmers

Rev. 11/05/08

CLEAN CHANNEL ASSOCIATION

December 6, 2012

Mr. Richard Bondy
Magellan Midstream Services LP

Dear Richard:

This is to confirm that Magellan Midstream Services LP is a member in good standing of Clean Channel Association, Inc. (CCA), an oil spill response cooperative. CCA maintains the highest classification as an oil spill removal organization (OSRO): MM/W1-W3, River/Canal/Inland, for Facilities and Vessels in Houston and Port Arthur COTP zones.

CCA will respond to Magellan's worst case spill, if necessary.

CCA's spill response equipment is maintained and tested on a routine basis in accordance with manufacturers' suggestions and our self-established preventative maintenance schedule.

In addition to the maintenance program, CCA conducts drills designed to meet OSRO PREP requirements.

Finally, the larger CCA vessels hold Certificates of Inspection, which subject the vessels to periodic U. S. Coast Guard inspection.

Sincerely,

Karen Storm

Karen Storm
Administrative Assistant/S. P. Glenn, President

3110 Pasadena Freeway • Pasadena, Texas 77503 • Phone: (713) 534-6195 • Fax: (713) 534-6197

CLEAN CHANNEL ASSOCIATION OWNED EQUIPMENT

A. Equipment located at CCA/Pasadena office/warehouse

1. Trailer containing 1700 feet of 18" oil spill containment boom with related equipment including, without limitation, tow bridals and anchors;
2. Trailer containing 1000 feet of 24" oil spill containment boom
3. Two 18' outboard powered workboats
4. Three each three-inch diesel driven portable pumps with portable hoses
5. Two each two-inch diesel driven portable pumps with hoses
6. One Pharos Marine GT-185 skimming system with hydraulic power pack
7. One Gastech LEL/OXY/H_2S meter
8. 2,000 feet of 8" oil spill containment boom
9. Two portable weir skimmers (Douglas 18000)
10. Sludgemaster Pump for heavy oils (300 gpm)
11. 40' shipping container
12. One 18' Boston Whaler with 150 hp engine
13. One LORI skimming system mounted on a 26' vessel with 20 bbls storage.
14. One JBF DIP 402 Skimmer Vessel
15. One 24' decontamination trailer, supplies for 100 showers, and cleaning materials

B. One 40' shipping container located at Dow Chemical Co., Freeport, Texas equipped with the following:

1. 1,400 feet of 36" oil spill containment boom with related equipment including, without limitation, tow bridals and anchors
2. One each three-inch diesel driven portable pump with portable hoses
3. One portable wier skimmer (Douglas 18000)
4. One 2,100 gal. Fastank portable storage container

C. The following equipment is owned by Clean Channel Association and normally stored on board vessels *Clean Channel 2* and *Clean Channel 3*:

1. 1,000 feet of 18" oil spill containment boom (each skimmer barge)
2. One portable wier skimmer (Douglas 18000) with hoses (each skimmer barge)

D. One 20' trailer located at T&T Marine Salvage, Galveston, Texas, containing 1,000 feet of 18" oil spill containment boom.

E. One LORI skimming system mounted on a 24' vessel with 50 bbls storage located in Freeport, Texas.

F. One JBF DIP 402 Skimmer Vessel located at Shell Oil Deer Park Refinery.

1. 2,000 feet of 24" oil spill containment boom

G. 1000 feet of 24" oil spill containment boom located at Westway Terminal, Galena Park, TX

CLEAN CHANNEL ASSOCIATION, INC.
LEASED EQUIPMENT

Clean Channel 2 and *Clean Channel 3* -
Two (2) recovery barges 30' x 120' with 1,500 bbl capacity with oil recovery system and related equipment including:

1. built-in weir skimming system
2. cargo pump 4", electric driven
3. trash pump 3", electric driven, 3 each
4. 100kw diesel powered generator
5. three (3) 2" double diaphragm air pumps
6. two Elastec Model 136 2-drum drum skimmers

Rev. 11/05/08

From: melanie.barber@dot.gov
To: Bondy, Richard
Subject: Magellan Pipeline Facility Response Plans
Date: Wednesday, July 28, 2010 4:39:59 PM

The United States Department of Transportation Office of Pipeline Safety has received the Facility Response Plans for Sequence Numbers 560, 562, 565, 567, 1376, and 1377. The United States Department of Transportation Office of Pipeline Safety has received the Facility Response Plan Questionnaires for these Facility Response Plans on compact disc. Please e-mail the Facility Response Plan Questionnaires to me. I have reviewed and grant your request to incorporate the E. Houston Facility, Sequence Number 1698, into the Southern District, Sequence Number 560.

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

COMPANY'S ORIGINAL

MESRA – Non OSRO
Contract Number 07MMLP097

MASTER EMERGENCY SPILL RESPONSE AGREEMENT (Non – Classified) (OSRO)

by and between

Magellan Pipeline Company, L.P.

and

Eco-logical Environmental Services, Inc.

Effective February 5, 2007

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

THIS MASTER EMERGENCY SPILL RESPONSE AGREEMENT (" Agreement"), entered into to be effective this 5th day of February 2007 by and between Eco-logical Environmental Services, a Texas corporation with its principal place of business in Midland Texas ("Contractor") and MAGELLAN PIPELINE COMPANY, L.P, a Delaware corporation, with its principal place of business in Tulsa, Oklahoma ("Company") hereinafter jointly referred to as "Parties" or singularly as "Party".

WHEREAS, Company operates refined petroleum products pipeline system, terminals and ammonia pipeline system and may from time to time experience a release or spill of product that requires emergency response and follow-up services to assist Company in controlling and mitigating such spills;

WHEREAS, Contractor is experienced in providing emergency response and follow-up services to spills such as the type as Company may have;

WHEREAS, Company desires Contractor to assist Company in providing emergency response and follow-up services to spills if requested, and Contractor desires to perform such services when requested; and

NOW THEREFORE, for and in consideration of the mutual promises herein contained and for other good and valuable consideration, the Parties agree as follows:

1. Definitions

1.1 "Company Spill Response Request" shall mean a request by Company to Contractor for Spill Response Dispatch or Spill Response Standby.

1.2 "Emergency Equipment shall have the meaning set forth in Section 7.2 of this Agreement.

1.3 "Hazardous Waste (or Waste)" shall mean Product(s) and/or any material or substances contaminated with the Product(s).

1.4 "Laws" shall mean all applicable federal, state, county, local laws, regulations and ordinances, including without limitation, those issued under the auspices of the USCG, MMS, OPS, EPA, OPA 90, Department of Transportation ("DOT"), the Occupational Safety and Health Administration ("OSHA"), RCRA and CERCLA or any other authority having jurisdiction over the work.

1.5 "OPA 90" shall mean the Oil Pollution Act of 1990.

1.6 "OSRO" shall mean the Oil Spill Removal Organization contained in the Guidelines for the U.S. Coast Guard OSRO Classification Program.

1.7 "PREP" shall mean the National Preparedness For Response Exercise Program issued under the OPA 90 jointly by the U.S. Coast Guard ("USCG"), the

Contractor or by operation of law, without the prior written consent of Company. Any purported assignment without such consent shall be void.

Independent Contractor

In performance of the work, the Contractor shall at all times be an independent contractor and the relation of the parties in the Agreement shall in no event be construed as constituting any other relationship.

24. **Non-Exclusivity**

Nothing in this Agreement shall require Company to solely utilize the services of Contractor or to ever utilize Contractor's services.

25. **Applicable Law**

This Agreement shall be governed by, and in accordance with, the laws of the State of Oklahoma without regard to principles of conflicts of laws.

26. **Entire Agreement**

This Agreement states the entire agreement between the parties with respect to the subject matter thereof and supersedes all prior agreements and understandings, whether oral or written, between the parties with respect to the subject matter hereof and may not be amended except by written instrument executed by the parties hereto. Release or waiver of any default or the failure to assert any right under this Agreement shall not be deemed in any case to be confirming waiver as to constitute an amendment of this Agreement. All Exhibits referenced herein and attached hereto are incorporated by reference as part of this Agreement.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed effective as of the date first above written by their duly authorized representatives below.

MAGELLAN PIPELINE COMPANY, L.P. **By: Magellan Pipeline GP, LLC,** **Its General Partner**	**Eco-logical Environmental Services, Inc.**
By: Melanie Little	By: [signature]
Name: Melanie Little	Name: Mickey Kolep
Title: Director, EHS&S	Title: President
Date: 2-14-07	Date: 1-31-07

EXHIBIT G

ANNUAL ACKNOWLEDGEMENT OF MASTER EMERGENCY SPILL RESPONSE AGREEMENT (MESRA)

In order to verify the status of Contractor's response teams, this acknowledgement form must be completed and signed by Contractor, and then submitted to Company not later than the 30th day of January annually.

Submittal of this form is required per MESRA paragraph 22 (c); however, failure to submit this document timely does not in any way constitute an abrogation of the terms and conditions of the MESRA.

Execution of this acknowledgement by Contractor's representative will serve as certification that Magellan Pipeline Company, L.P. has complied with the preparedness and prevention sections for securing arrangements with a hazardous materials cleanup contractor **Eco-logical Environmental Services, Inc.** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: Mickey Estep

Title: President

Signature:

Date: 1-7-13

Complete this form annually and submit to:

Magellan Midstream Partners, L.P.
Holly Warner – Project Analyst III
One Williams Center, MD 30
Tulsa, Oklahoma 74172

Email: holly.warner@magellanlp.com

COMPANY'S ORIGINAL

MASTER EMERGENCY SPILL RESPONSE AGREEMENT (OSRO Classified)

by and between

Magellan Pipeline Company, L.P.

and

Environmental, Safety & Health Consulting Services, Inc. (ES&H)

Contract Number MESRA 09MMLP160

Effective August 18, 2009

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

THIS MASTER EMERGENCY SPILL RESPONSE AGREEMENT ("Agreement"), entered into to be effective this 18th day of August 2009 by and between, **Environmental Safety and Health Consulting Services, Inc. (ES&H) and its affiliates and subsidiaries, including specifically, but not limited to, ES&H, Inc. d/b/a ES&H Consulting and Training Group, ES&H of Texas, LLC and ES&H Turnaround Service, Inc., together with any other entity owned or controlled, directly or indirectly, by Environmental Safety and Health Consulting Services, Inc.** ("Contractor") with its principal place of business in **Houma, Louisiana** ("Contractor") and **MAGELLAN PIPELINE COMPANY, L.P.** a Delaware limited partnership, with its principal place of business in **Tulsa, Oklahoma** ("Company") hereinafter jointly referred to as "Parties" or singularly as "Party".

WHEREAS, Company operates refined petroleum products pipeline system, terminals and ammonia pipeline system and may from time to time experience a release or spill of product that requires emergency response and follow-up services to assist Company in controlling and mitigating such spills;

WHEREAS, Contractor is experienced in providing emergency response and follow-up services to spills such as the type as Company may have;

WHEREAS, Company desires Contractor to assist Company in providing emergency response and follow-up services to spills if requested, and Contractor desires to perform such services when requested; and

NOW THEREFORE, for and in consideration of the mutual promises herein contained and for other good and valuable consideration, the Parties agree as follows:

1. **Definitions**

1.1 "Company Spill Response Request" shall mean a request by Company to Contractor for Spill Response Dispatch or Spill Response Standby.

1.2 "Hazardous Waste (or Waste)" shall mean Product(s) and/or any material or substances contaminated with the Product(s).

1.3 "Laws" shall mean all applicable federal, state, county, local laws, regulations and ordinances, including without limitation, those issued under the auspices of the USCG, MMS, OPS, EPA, OPA 90, OSRO, PREP, Department of Transportation ("DOT"), the Occupational Safety and Health Administration ("OSHA"), RCRA and CERCLA or any other authority having jurisdiction over the work.

1.4 "OPA 90" shall mean the Oil Pollution Act of 1990.

1.5 "OSRO" shall mean the Oil Spill Removal Organization contained in the Guidelines for the U.S. Coast Guard OSRO Classification Program.

26. **Independent Contractor**

In performance of the work, the Contractor shall at all times be an independent contractor and the relation of the parties in the Agreement shall in no event be construed as constituting any other relationship.

27. **Non-Exclusivity**

Nothing in this Agreement shall require Company to solely utilize the services of Contractor or to ever utilize Contractor's services.

28. **Applicable Law**

This Agreement shall be governed by, and in accordance with, the laws of the State of Oklahoma without regard to principles of conflicts of laws.

29. **Entire Agreement**

This Agreement states the entire agreement between the parties with respect to the subject matter thereof and supersedes all prior agreements and understandings, whether oral or written, between the parties with respect to the subject matter hereof and may not be amended except by written instrument executed by the parties hereto. Release or waiver of any default or the failure to assert any right under this Agreement shall not be deemed in any case to be confirming waiver as to constitute an amendment of this Agreement. All Exhibits referenced herein and attached hereto are incorporated by reference as part of this Agreement.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed effective as of the date first above written by their duly authorized representatives below.

Magellan Pipeline Company, L.P. **By Magellan Pipeline GP,LLC, its General Partner**	**Environmental, Safety & Health Consulting Services, Inc. (ES&H)**
By: Rick Fahrenkrog	By: Patrick J. Bergeron
Name: Rick Fahrenkrog	Name: PATRICK J. BERGERON JR.
Title: Director, EHS & S	Title: EXECUTIVE VICE PRESIDENT
Date: 8-18-09	Date: 7/24/09

EXHIBIT G

ANNUAL ACKNOWLEDGEMENT OF MASTER EMERGENCY SPILL RESPONSE AGREEMENT (MESRA)

In order to verify the status of Contractor's response teams, this acknowledgement form must be completed and signed by Contractor, and then submitted to Company not later than the 30th day of January annually.

Submittal of this form is required per MESRA paragraph 24 (c); however, failure to submit this document timely does not in any way constitute an abrogation of the terms and conditions of the MESRA.

Execution of this acknowledgement by Contractor's representative will serve as certification that Magellan Pipeline Company, L.P. has complied with the preparedness and prevention sections for securing arrangements with a hazardous materials cleanup contractor **Environmental, Safety & Health Consulting Services, Inc. and Affiliates** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: Brandy C. Landry
Title: Contracts Administrator
Signature: Brandy Landry
Date: January 10, 2013

Complete this form annually and submit to:

Magellan Midstream Partners, L.P.
Holly Warner – Project Analyst III
One Williams Center, MD 30
Tulsa, Oklahoma 74172

Email: holly.warner@magellanlp.com

ES&H
The Total Assurance Team

Bossier City Response Office
101 Crown Court Place
Bossier City, LA 71112

Belle Chasse Response Office
2305 N. Concord Road
Belle Chasse, LA 70037

Dallas/Fort Worth Response Office
3418 Gilbert Road
Grand Prairie, TX 75050

Fourchon Response Office
106 17th Street
Fourchon, LA 70357

Golden Meadow Response Office
21148 Hwy 1
Golden Meadow, LA 70357

Houma Response Office
1730 Coteau Road
Houma, LA 70364

Houston Response Office
202 Preston Avenue
Pasadena, TX 77503

Lake Charles Response Office
4141 S. Beglis Parkway
Sulphur, LA 70663

Mobile Response Office
5400 A Willis Rd.
Theodore, AL 36582

Morgan City Response Office
3189 Highway 70
Morgan City, LA 70380

New Iberia Response Office
2917 Fairchild Drive
New Iberia, LA 70562

Consulting & Training Group
1730 Coteau Road
Houma, LA 70364

Consulting & Training Group
2345 Atascocita Road
Humble, TX 77346

Industrial Group
1085 Bert St.
LaPlace, LA 70068

February 4, 2013

Magellan Midstream Partners, L.P.
Richard Bondy
One Williams Center, MD 29
Tulsa, Oklahoma 74172

Reference: **Unannounced** OSRO Equipment Deployment PREP Certification for 2012

To Whom It May Concern,

In accordance with 33 CFR 154.1055(a)(3) and the National Preparedness for Response Exercise Program (PREP), Environmental Safety and Health Consulting Services, Inc. (ES&H) hereby certifies that our response equipment was deployed and operated by ES&H personnel on the following dates and locations for 2012:

Date	Company Name	Location	Parish/County
1/23/2012	Austin Energy	Sector Galveston/Houston	Travis County
2/17/2012	Settoon Towing	Sector New Orleans	St. John the Baptist Parish
5/15/2012	ES&H Consulting Services	Sector Corpus Christi	Nueces County
8/21/2012	ES&H Consulting Services	Sector Mobile	Mobile County
9/17/2012	Weston Solutions	Sector Galveston/Houston	Tarrant County
10/1/2012	Motiva Enterprises	Sector New Orleans	St. John the Baptist Parish
10/17/2012	ES&H Consulting Services	Sector Corpus Christi	Nueces County
12/31/2012	ES&H Consulting Services	Sector Mobile	Mobile County

Objectives met: ES&H demonstrated the effective ability to deploy and operate its equipment. In every deployment, a minimum of 1,000 feet of containment boom and one skimmer were deployed.

All ES&H personnel that took part in each equipment deployment received the necessary training to safely and effectively respond to an oil spill. A record of this training is on file and available upon request.

In accordance with federal law, please retain this document for at least three years.

Certifying Official

Kevin J. Lormand

Kevin J. Lormand
Vice President, Eastern Region
Emergency Response / OSRO Services

24-Hour Emergency Response Hotline: 1.888.422.3622
1.877.437.2634
www.esandh.com
info@esandh.com

MESRA – OSRO Classified
Contract Number 06MMLP196

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

by and between

Magellan Pipeline Company, L.P.

and

Garner Environmental Services, Inc.

Contract Number MESRA 06MMLP196

Effective June 1, 2007

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

THIS MASTER EMERGENCY SPILL RESPONSE AGREEMENT (" Agreement"), entered into to be effective this 1st day of June, 2007 by and between, Garner Environmental Services, Inc., a Texas corporation with its principal place of business in Harris County, Texas ("Contractor") and MAGELLAN PIPELINE COMPANY, L.P. a Delaware corporation, with its principal place of business in Tulsa, Oklahoma ("Company") hereinafter jointly referred to as "Parties" or singularly as "Party".

WHEREAS, Company operates refined petroleum products pipeline system, terminals and ammonia pipeline system and may from time to time experience a release or spill of product that requires emergency response and follow-up services to assist Company in controlling and mitigating such spills;

WHEREAS, Contractor is experienced in providing emergency response and follow-up services to spills such as the type as Company may have;

WHEREAS, Company desires Contractor to assist Company in providing emergency response and follow-up services to spills if requested, and Contractor desires to perform such services when requested on an as needed, as available basis, subject to circumstances then existing; and

NOW THEREFORE, for and in consideration of the mutual promises herein contained and for other good and valuable consideration, the Parties agree as follows:

1. Definitions

1.1 "Company Spill Response Request" shall mean a request by Company to Contractor for Spill Response Dispatch or Spill Response Standby.

1.2 "Hazardous Waste (or Waste)" shall mean Product(s) and/or any material or substances contaminated with the Product(s).

1.3 "Laws" shall mean all applicable federal, state, county, local laws, regulations and ordinances, including without limitation, those issued under the auspices of the USCG, MMS, OPS, EPA, OPA 90, OSRO, PREP, Department of Transportation ("DOT"), the Occupational Safety and Health Administration ("OSHA"), RCRA and CERCLA or any other authority having jurisdiction over the work.

1.4 "OPA 90" shall mean the Oil Pollution Act of 1990.

1.5 "OSRO" shall mean the Oil Spill Removal Organization contained in the Guidelines for the U.S. Coast Guard OSRO Classification Program.

1.6 "PREP" shall mean the National Preparedness For Response Exercise Program issued under the OPA 90 jointly by the U.S. Coast Guard ("USCG"), the Environmental Protection Agency ("EPA"), the Office of Pipeline Safety ("OPS"), and the Minerals Management Services ("MMS").

event that Contractor intends to decertify any resources where Company had been granted prior permission to certify said resources, Contractor agrees to provide Company thirty (30) days written notice of its plans to decertify said equipment, prior to notifying government agencies.

24. **Assignments**

Neither this Agreement, nor any claim for payment of sums due or to become due, or for damage or penalty by reason of alleged breach, shall be assignable in whole or in part by Contractor or by operation of law, without the prior written consent of Company. Any purported assignment without such consent shall be void.

25. **Independent Contractor**

In performance of the work, the Contractor shall at all times be an independent contractor and the relation of the parties in the Agreement shall in no event be construed as constituting any other relationship.

26. **Non-Exclusivity**

Nothing in this Agreement shall require Company to solely utilize the services of Contractor or to ever utilize Contractor's services.

27. **Applicable Law**

This Agreement shall be governed by, and in accordance with, the laws of the State of Texas without regard to principles of conflicts of laws.

28. **Entire Agreement**

This Agreement states the entire agreement between the parties with respect to the subject matter thereof and supersedes all prior agreements and understandings, whether oral or written, between the parties with respect to the subject matter hereof and may not be amended except by written instrument executed by the parties hereto. Release or waiver of any default or the failure to assert any right under this Agreement shall not be deemed in any case to be confirming waiver as to constitute an amendment of this Agreement. All Exhibits referenced herein and attached hereto are incorporated by reference as part of this Agreement.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed effective as of the date first above written by their duly authorized representatives below.

Magellan Pipeline Company, L.P. **by Magellan Pipeline GP,LLC, its general partner** By: Rick Fahnenkamp	**Garner Environmental Services, Inc.** By: Otis Chambers/CO

Name: Rick Fahrenkrog Title: Director of Environmental Health, Safety and Security Date: 6-1-2007	Name: Otis Chambers Title: Executive Vice President Date: 5-23-07

EXHIBIT G

ANNUAL ACKNOWLEDGEMENT OF MASTER EMERGENCY SPILL RESPONSE AGREEMENT (MESRA)

In order to verify the status of Contractor's response teams, this acknowledgement form must be completed and signed by Contractor, and then submitted to Company not later than the 30th day of January annually.

Submittal of this form is required per MESRA paragraph 23 (c); however, failure to submit this document timely does not in any way constitute an abrogation of the terms and conditions of the MESRA.

Execution of this acknowledgement by Contractor's representative will serve as certification that Magellan Pipeline Company, L.P. has complied with the preparedness and prevention sections for securing arrangements with a hazardous materials cleanup contractor **Garner Environmental Services, Inc.** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: W. S. BOURGEOIS

Title: VP - HR, HSE & TRAINING

Signature: WSBourg

Date: 1/6/2012

Complete this form annually and submit to:

Magellan Midstream Partners, L.P.
Holly Warner – Project Analyst
One Williams Center, MD 30
Tulsa, Oklahoma 74172

Email: holly.warner@magellanlp.com

GARNER™
The Emergency Response Company
GARNER ENVIRONMENTAL SERVICES, INC.
CORPORATE OFFICE: 1717 W. 13TH STREET, DEER PARK, TX 77536 •281-930-1200 •800-424-1716

February 22, 2013

Mr. Richard Bondy
Emergency Response & Security Coordinator
One Williams Center, MD 29
Tulsa, Oklahoma 74172

Subject: National Preparedness for Response Exercise Program (PREP) OPA-90 Compliance 2012

Dear Mr. Bondy:

Garner Environmental Services, Inc. (GES) has complied with the Oil Pollution Act of 1990 (OPA-90) and 33 Code of Federal Regulations (CFR) part 154.1055 and 33 CFR 154.1045 as applicable with regards to response time, equipment, deployment, inspection, maintenance, drills/exercises, and notifications over the last twelve months. Our response personnel have received OSHA Hazwoper training, are in compliance with 29 CFR 1910.120, and have received all the necessary training to effectively respond to an oil material release as defined in 33 CFR 154.105.

Garner Environmental Services, Inc. retains personnel records for three years and certifies that our files are current and in compliance with OPA-90 OSRO PREP Guidelines, and 29 C.F.R. 1910.120. Garner Environmental Services, Inc. has received official classification as an approved OSRO from the U.S. Coast Guard National Strike Force Coordination Center which can be found online at https://cgrri.uscg.mil/UserReports/WebClassificationReport.aspx. Also, attached to this letter is a copy of the U.S. Coast Guard National Strike Force's last and up to date inspection.

Please remember that it is the facility's responsibility to insure that it is in compliance with 33 CFR 154.1055. This letter is for Garner Environmental Services, Inc OSRO Certification only and *does not reflect the facilities obligation* to meet the requirements to conduct drill and exercises as per 33 C.F.R. 154.1055.

If you have any questions or require any additional information, please contact Garner Environmental Services, Inc. at 281.930.1200.

Sincerely,

Maria Parras

Maria Parras
Assistant to the General Counsel

FIGURE 5.3-2 - PRELIMINARY SAFETY PLAN

Superseded By Revised PSP ☐

1. Incident Name:	2. Operational Period (Date/Time): From:	3. Date:	4. Time:

	HAZMAT RISKS (L = Low, M = Medium, H = High)											RISK MITIGATION SUGGESTIONS										
DIVISION OR TASK GROUP	Fire/Explosion	Responder Breathing	Bystander Breathing	Dermal Contact	Drowning	Weather Conditions	Slips Trips Falls	Cold/Heat/Fatigue				Eliminate ignition, clear personnel from liquids area, evacuate surroundings.	Air monitoring at all work sites, PPE based on concentrations or clear area.	Air monitoring downwind of site, evacuate if exceeds STEL	Level D PPE: Long sleeves, leather boots, safety glasses	Personal flotation devices when working near water.	Communicate chances of precip, winds, and lightning to work crews. Take shelter as directed.	Police area to eliminate hazards. Remain vigilant. Buddy system.	Task Group Leaders issue appropriate gear. Be vigilant for signs of stress and fatigue.			

Site Diagram:

Prepared by (Name and Position):

SAFETY MESSAGE:

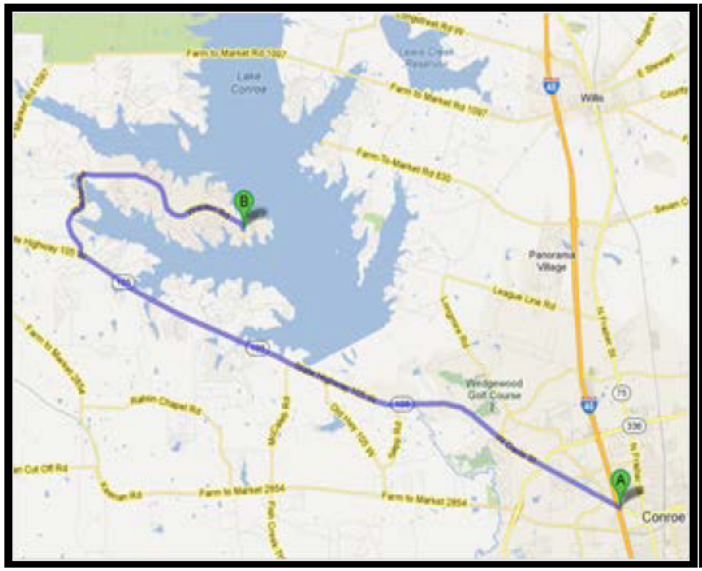
1. My name is _____ and I am functioning as Safety Officer for the Pipeline Company. This **Safety Message will be provided to all personnel upon their arrival at this incident site site**, and also **at the beginning of every scheduled Command Meeting**.
2. **This is a hazardous material(s) incident**. The material(s) of concern is (are) _____.
3. **Access to the exclusion area is restricted to all personnel unless authorized by the Incident Commander.** The exclusion area consists of the area directly impacted by hazardous liquids or vapors plus a safety buffer of _____ feet added to the impacted perimeter, and a safety buffer of _____ feet added to the perimeter downwind to eliminate the risk of ignition of the material, inhalation of vapors, or direct contact with the material.
4. The exclusion area is shown on the Site Map [show map]. The exclusion area has /has not been physically delineated with stakes/pins/tape/fencing.
5. The **Security Perimeter** is shown on the site map. Access to the Security Perimeter will be controlled by Company employees or public safety personnel. Only personnel who are HAZWOPER trained and/or authorized by the Incident Commander will be permitted inside the Security Perimeter.
6. The following minimum Personal Protective Equipment is mandatory at all times within the Security Perimeter: **Level D PPE plus Hi-Vis Reflective Vests**. Boom crews must wear personal flotation devices when working near water. Additional PPE _____.
7. Breathing zone air monitoring for organic vapors/hydrogen sulfide/other material (specify) is **mandatory for each work crew when within the exclusion area**. **Should monitoring indicate detections for target vapors, the Incident Commander will be notified immediately**. Additional PPE will be specified by the Incident Commander as necessary.
8. Be vigilant for trip hazards and open excavations. Be vigilant for signs of fatigue or stress induced by difficult conditions or extreme temperatures.
9. The weather for the next operational period is expected to be:
   a. Temperature: _____ Trend for next 48 h: _____
   b. Wind Speed: _____ Direction: (N S E W) _____ Trend for next 48 h: _____
   c. Precipitation: None/Rain/Snow Rate: Lite/Med/Hvy Trend for next 48 h: _____

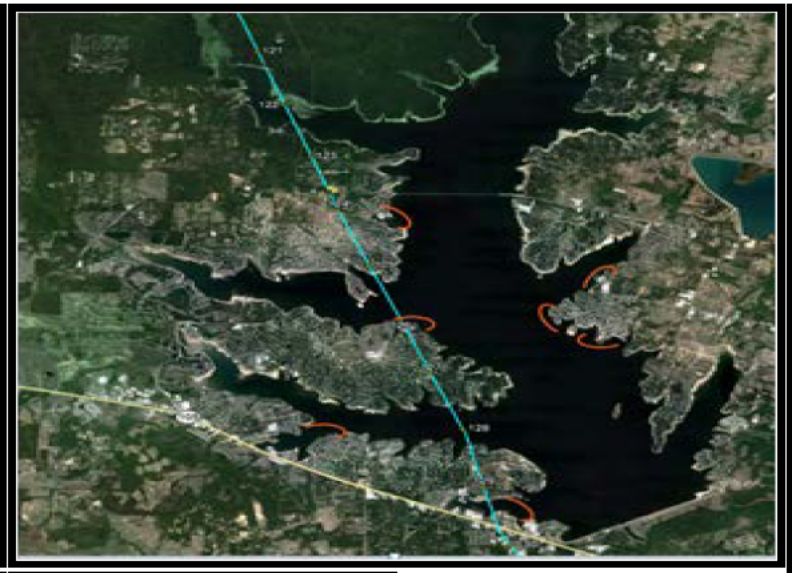
General Diagram Instructions:

A. Sketch with major feature locations (buildings, drainage paths, roads, etc.)
B. Hazardous substance location
C. Work zones (exclusion, contamination reduction, support)
D. Command center and decontamination area
E. Access and access restrictions
F. Routes of entry
G. Wind direction
H. Emergency evacuation routes
I. Assembly points
J. First aid locations
K. Communication system

Lake Response

Lake Conroe





RESPONSE STRATEGY

Latitude/Longitude: (b) (7)(F) [redacted]

Location:

Water Way: Lake Conroe

Owner:

Distance from Spill Source: 0

Map Reference:

Response Objective: Containment and Recovery

Response Tactic: - Normal Conditions

Deploy containment boom and establish recovery sites. This area is highly populated with little area to establish recovery sites aside from pipeline ROW. Protect multiple marinas on the lake as identified on map. Anderson Pollution is located in Controe with a response time of less than 1 hr. Use Houston based OSROs as backup

Watercourse Description: Lake

Description of Worksite: The pipeline crosses open bodies of water in four parts of Lake Conroe. Recovery sites may be difficult with mostly seawall separating land and the lake.

Critical Response Information: Water intake to become operational in future on southeast side of lake.

Date Last Revised:

LEGEND Origin ● Destination ●

DRIVING DIRECTIONS

From Interstate 45 (North from Houston, South from Dallas), West on Hwy 105 to Lake Conroe. Boat launch ramps located on south end of lake or take Walden Road north to Pipeline ROW

February 2005

© Copyright Technical Response Planning Corporation 2005

RECOMMENDED EQUIPMENT		
WCD	SMALL	DESCRIPTION
3000		Containment Boom
1000		Sorbent Boom
3		Vac Truck(s)
3		Frac Tank(s)
2		Work Boat(s)
3		Skimmer(s) - (Suction, Weir, Oleophilic)
1000		3/8" Polypropylene Line
12		Stake(s)
2		Sledge hammer(s)
		Sorbent pad(s)
		85 gallon drum liners
		Poly Sheeting
		Cell Phone(s)
		Portable Radios(s)

RECOMMENDED EQUIPMENT		
WCD	SMALL	DESCRIPTION
3		Light tower(s)
3		Port-o-let(s)
		Shovels
		4' x 8' x 1/2" Plywood
		Sandbags
2		Poly lined roll-off boxes

RECOMMENDED PERSONNEL		
WCD	SMALL	DESCRIPTION
6		Boat Operator(s)
1		Equipment Operator(s)
6		Laborer(s)
2		Supervisor(s)
3		Vac Truck Operator(s)

(b) (7)(F)

[redacted]

Magellan Pipeline Systems

Pipeline System Map

N
W E
S

100 50 0 100 200
Miles

MAGELLAN®
MIDSTREAM PARTNERS, L.P.

Source: MMP, ESRI
© 2009-2014 Magellan Midstream Partners, L.P.

Magellan Assets

Magellan Pipeline Company
- Petroleum Pipeline (Active)
- Petroleum Pipeline (Inactive)
- Crude Oil Pipeline
- Joint Venture (Operated by Others)
- Petroleum Terminal
- Petroleum Pump Station
- Crude Oil Terminals
- Crude Oil Pump Stations
- Joint Venture (Operated by Others)

Magellan Ammonia Pipeline
- Ammonia Pipeline
- Ammonia Terminal
- Ammonia Pump Station

Version: 11-21-2013 T:\Projects\System_Map\System_Map\MMP_Pipeline_Systems.mxd

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

by and between

Magellan Pipeline Company, L.P.

and

Oil Mop, LLC

Contract Number MESRA 06MMLP199

Effective January 1, 2007

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

THIS MASTER EMERGENCY SPILL RESPONSE AGREEMENT (" Agreement"), entered into to be effective this 26 day of ~~December~~ January 2007 by and between, Oil Mop, Louisiana LLC, a ~~Texas~~ corporation with its principal place of business in ~~Pasadena, Texas~~ Belle Chasse La ("Contractor") and MAGELLAN PIPELINE COMPANY, L.P. a Delaware corporation, with its principal place of business in Tulsa, Oklahoma ("Company") hereinafter jointly referred to as "Parties" or singularly as "Party".

WHEREAS, Company operates refined petroleum products pipeline system, terminals and ammonia pipeline system and may from time to time experience a release or spill of product that requires emergency response and follow-up services to assist Company in controlling and mitigating such spills;

WHEREAS, Contractor is experienced in providing emergency response and follow-up services to spills such as the type as Company may have;

WHEREAS, Company desires Contractor to assist Company in providing emergency response and follow-up services to spills if requested, and Contractor desires to perform such services when requested; and

NOW THEREFORE, for and in consideration of the mutual promises herein contained and for other good and valuable consideration, the Parties agree as follows:

1. **Definitions**

1.1 "Company Spill Response Request" shall mean a request by Company to Contractor for Spill Response Dispatch or Spill Response Standby.

1.2 "Hazardous Waste (or Waste)" shall mean Product(s) and/or any material or substances contaminated with the Product(s).

1.3 "Laws" shall mean all applicable federal, state, county, local laws, regulations and ordinances, including without limitation, those issued under the auspices of the USCG, MMS, OPS, EPA, OPA 90, OSRO, PREP, Department of Transportation ("DOT"), the Occupational Safety and Health Administration ("OSHA"), RCRA and CERCLA or any other authority having jurisdiction over the work.

1.4 "OPA 90" shall mean the Oil Pollution Act of 1990.

1.5 "OSRO" shall mean the Oil Spill Removal Organization contained in the Guidelines for the U.S. Coast Guard OSRO Classification Program.

1.6 "PREP" shall mean the National Preparedness For Response Exercise Program issued under the OPA 90 jointly by the U.S. Coast Guard ("USCG"), the Environmental Protection Agency ("EPA"), the Office of Pipeline Safety ("OPS"), and the Minerals Management Services ("MMS").

In performance of the work, the Contractor shall at all times be an independent contractor and the relation of the parties in the Agreement shall in no event be construed as constituting any other relationship.

27. **Non-Exclusivity**

Nothing in this Agreement shall require Company to solely utilize the services of Contractor or to ever utilize Contractor's services.

28. **Applicable Law**

This Agreement shall be governed by, and in accordance with, the laws of the State of Oklahoma without regard to principles of conflicts of laws.

29. **Entire Agreement**

This Agreement states the entire agreement between the parties with respect to the subject matter thereof and supersedes all prior agreements and understandings, whether oral or written, between the parties with respect to the subject matter hereof and may not be amended except by written instrument executed by the parties hereto. Release or waiver of any default or the failure to assert any right under this Agreement shall not be deemed in any case to be confirming waiver as to constitute an amendment of this Agreement. All Exhibits referenced herein and attached hereto are incorporated by reference as part of this Agreement.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed effective as of the date first above written by their duly authorized representatives below.

Magellan Pipeline Company, L.P. by Magellan Pipeline GP,LLC, its general partner	**Oil Mop, LLC**
By: Melanie Little	By:
Name: Melanie Little	Name: Joseph J Christiana
Title: Director, HS&S	Title: Vice President
Date: 1/3/07	Date: 12-26-2006

Corporate

131 Keating Drive
Belle Chasse, LA 70037
Office: (504) 394-6110
Fax: (504) 392-8977

Louisiana

221 Clendenning Road
Houma, LA 70363
Office: (985) 868-0119
Fax: (985) 868-0425

9625 Highway 182
Morgan City, LA 70381
Office: (985) 631-9664
Fax: (985) 631-2823

3407 Jack Brooks Road
New Iberia, LA 70560
Office: (337) 364-5373
Fax: (337) 367-9444

5227 N. River Road
Port Allen, LA 70767
Office: (225) 388-9992
Fax: (225) 388-0895

11966 River Road
St. Rose, LA 70087
Office: (504) 712-6947
Fax: (504) 712-6949

42519 Highway 23
Venice, LA 70091
Office: (504) 534-7563
Fax: (504) 534-7566

Texas

2308 W. Fairmont Pkwy.
La Porte, TX 77571
Office: (281) 470-2016
Fax: (281) 470-2216

8725 Industrial Circle
Port Arthur, TX 77640
Office: (409) 962-7226
Fax: (409) 962-7260

5172 W. Loop 281
Longview, TX 75603
Office: (903) 232-7131
Fax: (903) 232-7151

Environmental & Safety Products

1601 4th Street
Harvey, LA 70058
Office: (504) 367-7562
Fax: (504) 367-7567

February 18, 2013

Magellan Midstream Partners, L.P.
Attn: Mr. Richard Bondy
One Williams Center, MD 29
Tulsa, Oklahoma 74172

RE: OPA "90" Compliance 2012 Deployment Letter

Dear Mr. Bondy,

Please allow this letter to serve as documentation to meet the PREP requirements for all your facilities. OMI Environmental Solutions is a U.S. Coast Guard Classified "MM" through "W3" company. OMIES deploys, drills or inspects all of its equipment annually.

DATE	LOCATION	BOATS	BOOM	SKIMMER	PERSONNEL
2/9/2012	Sabine Pass, TX	1	500'	0	2
3/17/2012	Creole Bay, Louisiana	9	13600'	3	43
3/22/2012	Cameron, LA	1	1400'	0	6
4/10/2012	Houston Ship Channel TX	6	12200'	1	14
5/4/2012	Lafitte, Louisiana	2	1400'	0	6
6/6/2012	Montegut, La.	2	1200'	0	8
7/30/2012	Morgan City	3	700'	2	8
11/9/2012	Placid Port Allen, LA	1	500'	0	4
12/18/2012	Plaquemine, LA	2	1000'	0	6

All OMIES equipment is properly inspected, maintained, and documented in accordance with our maintenance program. In addition, all our spill response personnel have received the necessary training which includes 29 CFR 1910.120/OSHA HAZWOPER, to safely and effectively respond to an oil spill. A record of this training is on file and available upon request.

In conclusion, OMI Environmental Solutions certifies that our files are current and in compliance with OPA'90 regulations pertaining to Oil Spill Removal Organizations (OSROs)

If you need any further assistance or additional information please feel free to call me at 832-758-1457.

Sincerely,

Rod Dillon

Rod Dillon
Compliance Manager

EXHIBIT G

ANNUAL ACKNOWLEDGEMENT OF MASTER EMERGENCY SPILL RESPONSE AGREEMENT (MESRA)

In order to verify the status of Contractor's response teams, this acknowledgement form must be completed and signed by Contractor, and then submitted to Company not later than the 30th day of January annually.

Submittal of this form is required per MESRA paragraph 24 (c); however, failure to submit this document timely does not in any way constitute an abrogation of the terms and conditions of the MESRA.

Execution of this acknowledgement by Contractor's representative will serve as certification that Magellan Pipeline Company, L.P. has complied with the preparedness and prevention sections for securing arrangements with a hazardous materials cleanup contractor **Oil Mop, LLC** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: Roxann Baudean

Title: Contract Administrator

Signature: Roxann Baudean

Date: 1/9/12

Complete this form annually and submit to:

Magellan Midstream Partners, L.P.
Holly Warner – Project Analyst
One Williams Center, MD 30
Tulsa, Oklahoma 74172

Email: holly.warner@magellanlp.com

131 KEATING DRIVE
BELLE CHASSE, LA 70037
(504) 394-6110
FAX (504) 391-7398

OIL MOP
The Total Solution

June 23, 2010

Attn: Rick Bondy

From: Oil Mop, LLC – Operations Department

RE: Spill Drill - Resource List as Requested

Belle Chasse
1 – Personnel
6 – Wash Pumps
4 – 4 Wheelers
4 – Weir Skimmers

Port Allen
3 – Personnel
1 – Oil Spill Trailer
1 – Small Drum Single Drum Skimmer
6 – Wash Pumps
1 – 16’ Boat w/ motor
1 – 16’ w/out motor

New Iberia
2 – Personnel
2 – Trucks
1 – Oil Spill Trailer
150’ – 10” Containment Boom
2 – Wash Pumps

Morgan City
1 – Small Drum Skimmer
1 – Large Drum Skimmer
1 – Oil Spill Trailer
1 – 4 wheeler

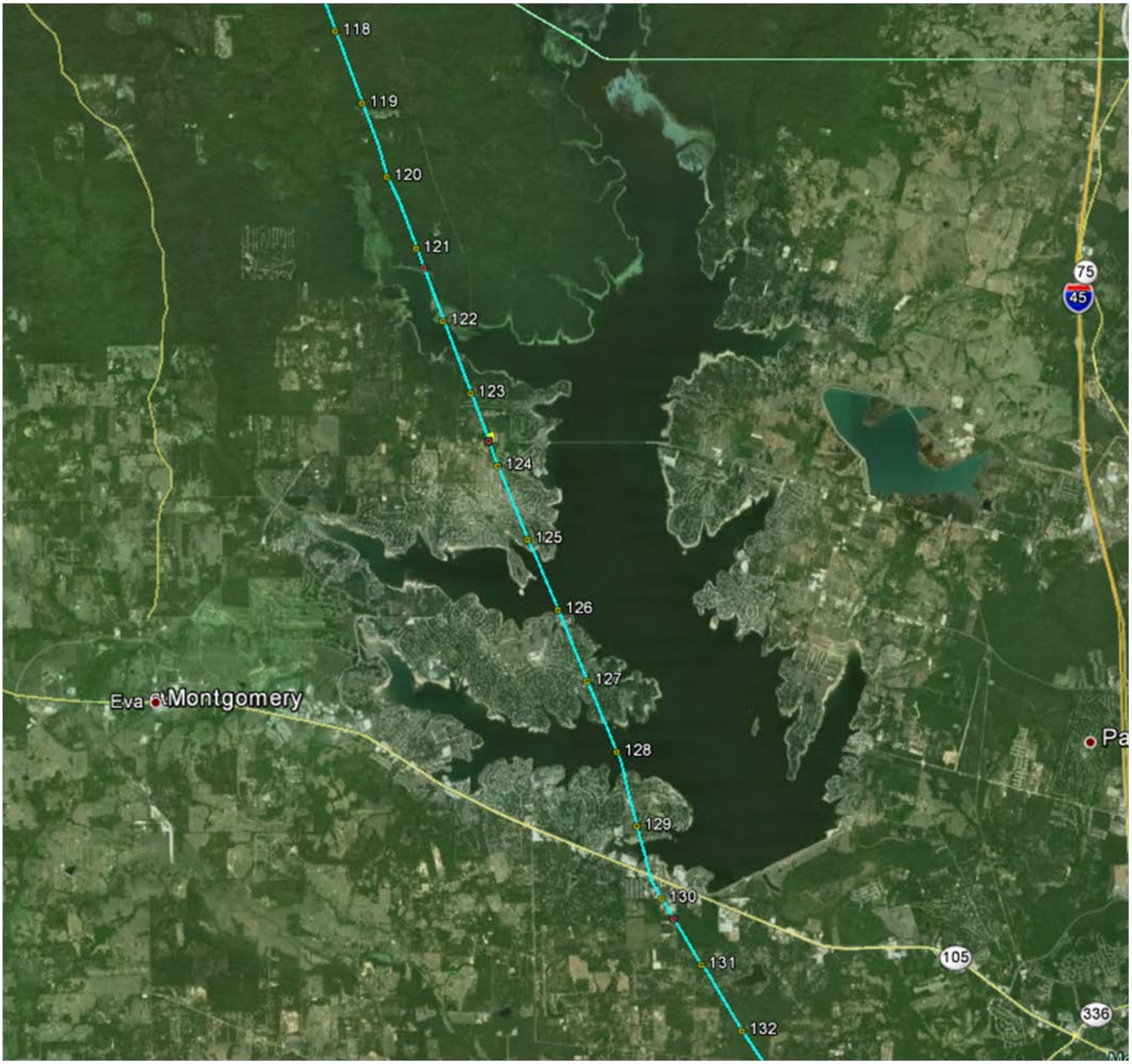
Houma
1 – Oil Spill Trailer
1 – 10’ Jon Boat
2 – Pirogue
1 – Small Drum Skimmer

Port Arthur
3 – Personnel
1 – 26’ Work Boat
2 – Oil Spill Trailer
2 – Trucks
1 – 4’ Drum Skimmer
2 – 3’ Drum Skimmer
2 – Rope Mops
2 – Whacker Pumps
1 – Small Genereator
1 – 14’ Mega Boat
2 – Jon Boats w/o motors
1 – 4 wheeler
1800’ – 18” Containment Boom

Houston
6 – Personnel
1 – Oil Spill Trailer
1 – 26’ Work Boat
1 – 24’ Cabin Boat
1 – 16’ Boat w/ motor
2 – 3’ Drum Skimmer
3000’ – 18” Containment Boom

Transportation
100 – Roll Off Boxes
25 – Frac Tanks
25 – Spill Berms
2 – 70BBL Vac Trucks
2 – 130BBL Vac Trucks
2 – Roll Off Trucks
150 – 15BBL Cutting Boxes
130 – 25BBL Cutting Boxes
50 – Conex boxes (20’ & 40’)

** As a contingency plan, additional equipment and personnel will be deployed as needed or requested.


118
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132
Eva
Montgomery
75
45
105
336

MAGELLAN®
MIDSTREAM PARTNERS, L.P.

May 13, 2011

VIA FEDEX ***794755415480***

Melanie M. C. Barber, Esquire
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

Subject: Magellan Pipeline Company, L.P. Pipeline Response Zones Plan Number 560

Dear Ms. Barber:

I am submitting for your files, revised copies of Magellan Facility Response Plan # 560. Magellan recently acquired a 38 mile section of pipeline connecting our existing line from Reagan, Texas, to Temple, Texas. The worst case discharge calculations have been included in the revised plan, however, the new line segment does not affect the location of the worst case discharge. I am also submitting a FRP questionnaire separately via email.

I have enclosed two compact-disc copies of each Plan in compliance with 49 CFR 194.121(a)(2).

If you would like to discuss the details of this submittal, please feel free to contact me at (918) 574-7363. Please forward all correspondence to my attention at the address indicated below, or by email at Richard.bondy@magellanlp.com.

Sincerely,

Richard Bondy
Emergency Response and Security Coordinator
Magellan Pipeline Company, L.P.

MAGELLAN®
MIDSTREAM PARTNERS, L.P.

November 4, 2013

VIA FEDEX ***797073379076***
Melanie M. C. Barber, Esquire
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

Subject: Magellan Pipeline Company, L.P. Pipeline Response Zones Plan Numbers 560, 562, 565, 567, 1376, 1377

Dear Ms. Barber:

I am submitting for your files, revised copies of the above mentioned Magellan Facility Response Plans. These plans reflect changes in Qualified Individuals.

I have enclosed two compact-disc copies of each Plan in compliance with 49 CFR 194.121(a)(2) as well as one compact-disk containing the questionnaire for each plan.

If you would like to discuss the details of this submittal, please feel free to contact me at (918) 574-7363. Please forward all correspondence to my attention at the address indicated below, or by email at Richard.bondy@magellanlp.com.

Sincerely,

Richard Bondy
Supervisor, Environmental, Emergency Response and Security
Magellan Pipeline Company, L.P.

MAGELLAN®
MIDSTREAM PARTNERS, L.P.

July 31, 2013

VIA FEDEX ***796362296942***
Melanie M. C. Barber, Esquire
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

Subject: Magellan Pipeline Company, L.P. Pipeline
Response Zones Plan Numbers 560, 562, 565, 567
Five-Year resubmittal

Dear Ms. Barber:

I am submitting for your approval, the updated Magellan Facility Response Plans #560, 562, 565 and 567. Each plan has been updated and includes new information on fires, initial response, medical, air monitoring and resource guidance.

I have enclosed two compact-disc copies of each Plan in compliance with 49 CFR 194.121(a)(2).

If you would like to discuss the details of this submittal, please feel free to contact me at (918) 574-7363. Please forward all correspondence to my attention at the address indicated below, or by email at Richard.bondy@magellanlp.com.

Sincerely,

Richard Bondy
Emergency Response and Preparedness Coordinator
Magellan Pipeline Company, L.P.

ONE WILLIAMS CENTER, PO BOX 22186, TULSA, OK 74121-2186
(918) 574-7000

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

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

December 11, 2013

Richard Bondy
Magellan Pipeline Company, L.P.
Emergency Response and Preparedness Coordinator
One Williams Center, MD 29
Tulsa, OK 74121

RE: LETTER OF CORRECTION: Magellan Pipeline Company, L.P., Southern District Sequence Number: 0560, July 30, 2013

Dear Mr. Bondy:

The Pipeline and Hazardous Materials Safety Administration (PHMSA) has received and reviewed Magellan Pipeline Company, L.P.'s oil spill response plan for Magellan Pipeline Company, L.P., Southern District dated July 30, 2013.

We have identified deficiencies in the Plan and cannot approve it without corrections being made. These corrections should be as addressed as highlighted in the NEEDED ACTION section and submitted to PHMSA within thirty (30) days from the date of this letter. If you are unable to address these issues within that time, you may request an extension via mail or to the email address listed below.

Should you have any questions or concerns, please contact me at (202) 366-4595 or by email at PHMSA.OPA90@dot.gov. Please include the sequence number and your PHMSA Operator Identification Number on any future correspondence.

Sincerely,

David K. Lehman, Acting Director
Emergency Support and Security Division
Office of Pipeline Safety

Attachment: Action Needed on Response Plan Sequence #0560

cc: PHMSA Southwest Region

Action Needed on Response Plan Sequence #0560

Review and Update Procedures

49 CFR § 194.107(c)(x) states, "Each response plan must include… (x): Plan review and update procedures."

AND

49 CFR § 194.121(a)(2) states, "For significant and substantial harm plans, an operator shall resubmit every 5 years from the last approval date."

Findings: Section 1.2 requires an annual review and modification of the plan to address new or different operating conditions associated with the implementation of the plan. The Plan does not state that a new plan will be resubmitted to PHMSA every 5 years.

NEEDED ACTION: Amend Section 1.2 of the Plan to appropriately provide a plan review and update procedures as required by 49 CFR § 194.107(c)(x) and 49 CFR § 194.121(a)(2) to require that a plan is submitted every five years.

Worst Case Discharge Determination Methodology

49 CFR § 194.105(a) states, "Each operator shall determine the worst case discharge for each of its response zones and provide the methodology, including calculations, used to arrive at the volume."

The methodology referenced in the regulation above includes the comparison of the three volumes of Worst Case Discharge sources: pipeline, breakout tank, and maximum historic discharge.

Findings: In Section C-4, the Plan describes the methodology for determining the worst case discharge (WCD). However, the calculations are not included for the volumes to be determined with the WCD. The Plan states that the maximum historic discharge is not applicable for the WCD covered by this plan, however, no explanation or information is provided to support this statement.

NEEDED ACTION: Amend the Plan to provide a comprehensive worst case discharge determination methodology, as required by 49 CFR § 194.105(a). If there is no historic discharge data and are no breakout tanks covered under the Plan, you must affirmatively state this.

Incident Command System

49 CFR § 194.107 (c)(3) states, "Each response plan must include:… (3) A description of the operator's response management system including the functional areas of finance, logistics, operations, planning, and command. The plan must demonstrate that the operator's response management system uses common terminology and has a manageable span of control, a clearly defined chain of command, and sufficient trained personnel to fill each position.

Findings: Unable to view Section 4 "Response Team Organization"

NEEDED ACTION: Please resubmit the Plan with Section 4 available to review.

Alternative Response Strategies

49 CFR § 194.107(b)(1) states, "As a minimum to be consistent with the NCP a facility response plan must:… (iii) Identify the procedures to obtain any required Federal and State permissions for using alternative response strategies such as in-situ burning and dispersants as provided for in the applicable ACPs [Area Contingency Plans]."

AND

49 CFR § 194.107(b)(2) states, "As a minimum, to be consistent with the applicable ACP the plan must:…(iv) Establish the procedures for obtaining an expedited decision on use of dispersants or other chemicals."

Findings: Although alternative strategies are discussed in the Plan, there is no discussion on the need to obtain federal approval prior to use.

NEEDED ACTION: Amend the Plan to include procedures for obtaining required permissions for using alternative response strategies (specifically dispersant use and in-situ burning) and obtaining an expedited decision on use of dispersants or other chemicals, as required by §194.107(b)(1)(iii) & (2)(iv).

Immediate Notification Procedures

49 CFR § 194.107(c)(ii) states, "Each response plan must include:… (ii) Immediate notification procedures."

AND

49 CFR § 195.52(a)(4), states "Notice requirements. At the earliest practicable moment following discovery of a release of the hazardous liquid or carbon dioxide transported resulting in an event described in §195.50, the operator of the system must give notice, in accordance with paragraph…(4) Resulted in pollution of any stream, river, lake, reservoir, or other similar body of water that violated applicable water quality standards, caused a discoloration of the surface of the water or adjoining shoreline, or deposited a sludge or emulsion beneath the surface of the water or upon adjoining shorelines…"

Findings: In Section 3.1-3, the Plan does not state that the National Response Center (NRC) will be notified within 2 hours or at the earliest practicable moment following discovery of a release of hazardous liquid or carbon dioxide transported resulting in an event described in §195.50.

NEEDED ACTION: Amend the Plan to appropriately reflect requirements regarding immediate notification procedures as required by 49 CFR § 194.107(c)(ii) and 49 CFR § 195.52(a)(4).

Oil Spill Response Organizations (OSRO)

49 CFR § 194.107(c)(1)(iv) states, "Each response plan must include: (1) A core plan consisting of – (iv) The name, address, and telephone number of the oil spill response organization, if appropriate…"

Findings: In Table B of the Plan, it only lists the OSRO's address. Section 3 lists the telephone numbers of the OSRO.

NEEDED ACTION: In order to make the OSRO information easily accessible, consolidate the OSRO contact information, as required at 49 CFR § 194.107(c)(1)(iv), within the plan.

MAGELLAN®
MIDSTREAM PARTNERS, L.P.

October 9, 2009

Melanie M. C. Barber, Esquire
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

Via Fedex- Tracking number: 7960 2155 1844

Subject: Submittal of Magellan Pipeline Company, L.P. Pipeline Response Zone Plans, Numbers 560, 562, 565, 567, 1376 and 1377

Dear Ms. Barber:

I am submitting for your approval, revised copies of Facility Response Plans for the Magellan Northern, Midwest, Southeast, Southern and Houston-El Paso areas. The Northern, Midwest and Southeast Plans are being resubmitted because of re-districting. The Southerrn Plan is being submitted for renewal, and the Houston-El Paso Plan is being submitted as a recent purchase. The major changes for these plans are as follows:

Northern – Redistricting added pipelines that were formerly in the Midwest District. Responders, QIs, OSROs as well as response agencies, sensitive areas, endangered species were added for the new areas.
Midwest – Redistricting added and removed pipelines, responders, QIs and OSROs as well as response agencies, sensitive areas, endangered species for the new areas.
Southeast – Redistricting removed pipelines, responders, QIs and OSROs as well as response agencies, sensitive areas, endangered species for the new areas.
Southern – Plan renewal
Houston – El Paso - This pipeline has been operated by Magellan and was recently purchased. The response plan modifys QIs but retains all the sensitivities, response agencies, equipment and OSROs. The Worst-Case Discharge was modified to reflect a new study on drain-down amounts.

I have enclosed two compact-disc copies of each Plan in compliance with 49 CFR 194.121(a)(2) as well as a CD containing a completed FRP questionnaire for each Plan.

If you would like to discuss the details of this submittal, please feel free to contact me at (918) 574-7363. Please forward all correspondence to my attention at the address indicated below, or by email at Richard.bondy@magellanlp.com.

Sincerely,

Richard Bondy
Emergency Response and Preparedness Coordinator
Magellan Pipeline Company, L.P.

MAGELLAN
MIDSTREAM PARTNERS, L.P.

Environmental Department
One Williams Center
P.O. Box 22186, MD 27-3
Tulsa, OK 74121-2186

November 28, 2006

Response Plans Officer
Pipeline and Hazardous Materials Safety
United States Department of Transportation
400 Seventh Street SW, Room 2103
Washington, DC 20590

Via Federal Express – Tracking No. 799543818910

Subject: **Re-Submittal of Magellan Pipeline Company, L.P. Pipeline Response Zone Plans:** Southern District Plan - PHMSA Sequence 560; Midwest District Plan - PHMSA Sequence 562; Northern District Plan - PHMSA Sequence 567; Plains District Plan - PHMSA Sequence (#TBD)

On behalf of Magellan Pipeline Company, L.P. (Magellan), the subject Pipeline Response Zone Plans (Plans) are submitted for Pipeline and Hazardous Materials Safety Administration (PHMSA) review. These plans have been revised extensively; in particular, it is suggested that the reviewer observe the following significant revisions:

1. Magellan has recently reorganized field operations resulting in elimination of the former Central District (PHMSA Sequence 565) and creation of the Plains District (PHMSA Sequence TBD).
2. Magellan has modified the Plans to address the findings provided by PHMSA in four separate certified letters to Magellan dated March 14, 2006.
3. Magellan has made other substantial changes to the Plans to improve their utility for emergency preparedness activities and incident response.

In regard to item No. 2 above, Magellan has researched the following PHMSA finding provided for Sequences 562, 565, and 567:

> "*Include Figure 3.1-4 to provide information on Federal and State Natural Resource Trustees and other natural resource managers*"

In response to this comment, the reviewer is directed to each of the subject Plans' Section 3 – *Notifications/Phone Numbers*. This Plan section already contains a Figure 3.1-4 which includes the telephone numbers necessary for immediate notification. It is not clear whether the reviewer could not locate this table, or the reviewer did not observe a comprehensive list of notifications within the table.

As an aside, Magellan understands that detailed notifications to Natural Resource Trustees and other natural resource managers would be the responsibility of the Federal OSC assigned to the incident,

and that the OSC would utilize the appropriate Area/Regional Contingency Plans to access notification information. Although Magellan is committed to maintaining consistency with the National, Area, and Regional Oil Spill Contingency Plans, little value would be added by listing (and then maintaining the accuracy) of this information in the Magellan Plans. Again, with a nod to the overall utility and accuracy of the Plans, It is suggested that redundancy of information is in this case not necessary for consistency among the various plans. Having the information listed in the Magellan Plans might, in fact, decrease consistency and add to confusion during an emergency.

In the past, PHMSA have requested electronic copies of the plans. As a result, I am providing compact discs containing functional static electronic copies of the subject plans as copy number two.

If you would like to discuss the details of this submittal, please call me at (918) 574-7751. Please forward all correspondence to my attention at the address indicated below, or by email to austin.mcclain@magellanlp.com.

Sincerely,

Magellan Pipeline Company, L.P.

Austin McClain
Emergency Response and Preparedness Coordinator

Enclosures:

1. Southern District Plan - PHMSA Sequence 560
2. Midwest District Plan - PHMSA Sequence 562
3. Northern District Plan - PHMSA Sequence 567
4. Plains District Plan - PHMSA Sequence (#TBD)

MAGELLAN®
MIDSTREAM PARTNERS, L.P.

September 12, 2013

VIA FEDEX ***796668736822***

Mr. John Hess,
Director for Emergency Support & Security
United States Department of Transportation
Office of Pipeline Safety
1200 New Jersey Avenue, S.E.
Washington, D.C. 20590

Subject: Response to Approval letter dated August 15, 2013

Dear Mr. Hess

Thank you for your agency's quick response to our 5-year resubmittal of the Magellan Pipeline Company, L.P. Central District (565) FRP. In attachment A of that letter, your agency identified a discrepancy in the plan's certifications in that the plan did not certify that we reviewed the NCP and each applicable ACP and that the response plan is consistent with the NCP and each applicable ACP.

Upon receipt of that letter, I amended the facility response plans for Districts 560, 562, 565 and 567 to include that certification.

If you have any questions regarding the amended plans, please feel free to contact me at (918) 574-7363. All correspondence should be forwarded to my attention at the address indicated below, or by email at Richard.bondy@magellanlp.com.

Sincerely,

Richard Bondy
Environmental Supervisor
Magellan Pipeline Company, L.P.

ONE WILLIAMS CENTER, PO BOX 22186, TULSA, OK 74121-2186
(918) 574-7000

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Oklahoma

Pipeline List (This Sheet)

6605 ALLEN - DRUMRIGHT #3-8"

Scale: 1" = 4 Miles

ALLEN - DRUMRIGHT
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
1	Park View Es
2	Cedar River Church

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Oklahoma

Pipeline List (This Sheet)

6605 ALLEN - DRUMRIGHT #3-8"

Scale: 1" = 4 Miles

ALLEN - DRUMRIGHT

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
(b) (7)(F) [redacted]	
2	Edison Es
3	Bethel Church
4	Greater Mount Hermon Church
5	Highway Mission Church
6	Pleasant Hill Church
7	Bristow Golf and Country Club

(b) (7)(F)

[redacted]

- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- High Population Area
- Other Population Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- School
- Church
- Stadium
- Shopping Center
- Golf Course
- Amusement Park
- Cemetery
- Park/Wildlife Refuge

See Reverse for Sensitivity List

Pipeline List (This Sheet)
7045 COLORADO CITY - EAST HOUSTON 20"

Scale: 1" = 4 Miles

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

4/16/2014

sCCPB-1

Water Intakes within 50 Miles Downstream

(None)

Sensitivities within 1 Mile

(None)

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Population Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Stadium
- Shopping Center
- Golf Course
- Amusement Park
- Cemetery
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)

7050 EAST HOUSTON - PORT BLVD 24"

Scale: 1" = 2 Miles

COLORADO CITY - PORT BLVD

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

4/17/2014

sCCPB-10

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
(b) (7)(F) [redacted]	
26	Pauls Union Church
27	Queen of Peace Church
28	Saint Marys Church
29	Alameda Mall
30	Baybrook Mall

Feature_No	NAME
31	Baybrook Square
32	League City Plaza
33	McAdams High School Stadium
34	Sportsplex
35	Bayou Golf Club
36	Beacon Lakes Golf Course
37	Dickinson Country Club
38	Lakeview Country Club
39	Fairview Cemetery
40	Forrest Park East Cemetery
41	La Marque Cemetery
42	Challenger 7 Memorial Park
43	Evalyn Wilson Park
44	Galveston County Park
45	Gulf Palms Park
46	Gulf Palms Park
47	Kohfeld Park
48	Park
49	Paul Hopkins Park
50	Trahan Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Population Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Stadium
- Shopping Center
- Golf Course
- Amusement Park
- Cemetery
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)
7045 COLORADO CITY - EAST HOUSTON 20"

Scale: 1" = 4 Miles

COLORADO CITY - PORT BLVD
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

4/16/2014

sCCPB-2

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
(b) (7)(F) [redacted]	
5	Drummond Cemetery
6	Iberis Cemetery

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Population Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Stadium
- Shopping Center
- Golf Course
- Amusement Park
- Cemetery
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)
7045 COLORADO CITY - EAST HOUSTON 20"

Scale: 1" = 4 Miles

COLORADO CITY - PORT BLVD
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

4/17/2014

sCCPB-3

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
(b) (7)(F) [redacted]	
3	Dressy Cemetery
4	Ferrill Cemetery
5	May Cemetery

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Population Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Stadium
- Shopping Center
- Golf Course
- Amusement Park
- Cemetery
- Park/Wildlife Refuge

Pipeline List (This Sheet)
7045 COLORADO CITY - EAST HOUSTON 20"

Scale: 1" = 4 Miles

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

4/17/2014

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
1	Blue Ridge Church
2	Hay Valley Church
3	Saint Pauls Church
4	Albin Cemetery
5	Blue Ridge Cemetery
6	Edwards Cemetery
7	Weaver Chapel Cemetery

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Population Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Stadium
- Shopping Center
- Golf Course
- Amusement Park
- Cemetery
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)
7045 COLORADO CITY - EAST HOUSTON 20"

Scale: 1" = 4 Miles

COLORADO CITY - PORT BLVD
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

4/16/2014

sCCPB-5

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
1	Hay Valley Church
2	Stockton Chapel
3	Eagle Springs Cemetery
4	Live Oak Cemetery
5	Post Oak Cemetery
6	Station Creek Cemetery
7	Weaver Chapel Cemetery

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Population Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Stadium
- Shopping Center
- Golf Course
- Amusement Park
- Cemetery
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)
7045 COLORADO CITY - EAST HOUSTON 20"

Scale: 1" = 4 Miles

COLORADO CITY - PORT BLVD
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

4/16/2014

sCCPB-6

Water Intakes within 50 Miles Downstream

(None)

Sensitivities within 1 Mile

Feature_No	NAME
1	Bethany Church
2	Cottonwood Church
3	Friendship Church
4	Saint Lukes Church
5	Zion Church
6	Calvert Country Club
7	Bickham Cemetery
8	Cottonwood Cemetery
9	Ebenezer Cemetery
10	Enon Cemetery
11	Fridel Cemetery
12	Kurten Cemetery
13	Old Cottonwood Cemetery
14	Saint Lukes Cemetery
15	Suggs Cemetery
16	Tryson Cemetery

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Population Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Stadium
- Shopping Center
- Golf Course
- Amusement Park
- Cemetery
- Park/Wildlife Refuge

Pipeline List (This Sheet)
7045 COLORADO CITY - EAST HOUSTON 20"

Scale: 1" = 4 Miles

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

4/16/2014

See Reverse for Sensitivity List

sCCPB-7

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
(b) (7)(F) [redacted]	
2	Arbor Chapel
3	Zion Church
4	Zion Hill Church
5	Ebenezer Cemetery
6	Enon Cemetery
7	Fridel Cemetery
8	Kurten Cemetery
9	Roans Prairie Cemetery
10	Tillis Prairie Cemetery
11	Tryson Cemetery
12	Waller Cemetery

(b) (7)(F)

[redacted]

- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- High Population Area
- Other Population Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- School
- Church
- Stadium
- Shopping Center
- Golf Course
- Amusement Park
- Cemetery
- Park/Wildlife Refuge

See Reverse for Sensitivity List

Pipeline List (This Sheet)

7045 COLORADO CITY - EAST HOUSTON 20"
7050 EAST HOUSTON - PORT BLVD 24"

Scale: 1" = 2 Miles

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

4/17/2014

sCCPB-8

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

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

Feature_No	NAME
31	Aldine First Church
32	Central Church
33	Church of the Good Shepherd
34	Pinegrove Church
35	Greenspoint Mall
36	North Oaks Mall
37	W W Thorne Stadium
38	Gleannlock Farms Golf Course
39	Northgate Forest Country Club
40	Tomball Country Club
41	World Houston Golf Course
42	Aldine Cemetery
43	Clow Cemetery
44	Ehrhardt Cemetery
45	Houston Natl Cem
46	Martens Cemetery
47	McCall Cemetery
48	McDougle Cemetery
49	Morales Cemetary
50	Tillis Prairie Cemetery
51	Veterans Administration Cemete
52	Willow Creek Cemetery
53	Cypresswood Park
54	Dow Park
55	Elizabeth Kaiser Meyer Park
56	Juergens Park
57	Park
58	Samuel Matthews Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Population Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Stadium
- Shopping Center
- Golf Course
- Amusement Park
- Cemetery
- Park/Wildlife Refuge

See Reverse for Sensitivity List

Pipeline List (This Sheet)
7050 EAST HOUSTON - PORT BLVD 24"

Scale: 1" = 2 Miles

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

4/17/2014

sCCPB-9

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME

Feature_No	NAME

(b) (7)(F)

[redacted]

Feature_No	NAME

(b) (7)(F)

[redacted]

(b) (7)(F)

Feature_No	NAME
74	Aldine First Church
75	Central Church
76	Eastex Oaks Church
77	Pinegrove Church
78	Saint Pius Convent
79	Shady Oaks Church
80	Alameda Mall
81	Greenspoint Mall
82	Pasadena Oaks Shopping Center
83	W W Thorne Stadium
84	El Dorado Country Club
85	El Dorado Golf Club
86	World Houston Golf Course
87	Aldine Cemetery
88	Cemetery
89	Crown Hill Cemetery
90	Morales Cemetary
91	Barbara Jordan Park
92	Christy Park
93	Creek Village Park
94	Dow Park
95	Elbert Triangle Park
96	Evalyn Wilson Park
97	Falcon Park
98	Freeman Park
99	Galena Park City Park

Feature_No	NAME
100	Galena Park City Park
101	Gleason Park
102	Gulf Palms Park
103	Gulf Palms Park
104	Herman Brown Park
105	Hobart Taylor Park
106	Houston Gardens Park
107	Hutcheson Park
108	Maxey Park
109	Memorial Park
110	Northshore Park
111	Oak Meadows Park
112	Park
113	Park
114	Pelham Park
115	Pelham Park
116	Queens Park
117	Rosewood Park
118	Smith Park
119	Smokey Jasper Park
120	Sunset Park
121	Tidwell Park
122	Trotter Park
123	Wilke Park
124	Woods Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6928 CORSICANA - E. HOUSTON 16"
6929 CORSICANA TIE-IN 20"

Scale: 1" = 4 Miles

CORSICANA - EAST HOUSTON
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN® MIDSTREAM PARTNERS, L.P.

12/10/2009

See Reverse for Sensitivity List

sCEH-1

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature No	NAME
(b) (7)(F) [redacted]	
2	Jose Antonio Navarro El
3	Caney Church
4	Salem Church
5	College Park Mall
6	Nature Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

Pipeline List (This Sheet)
6928 CORSICANA - E. HOUSTON 16"

Scale: 1" = 4 Miles

CORSICANA - EAST HOUSTON
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

See Reverse for Sensitivity List

sCEH-2

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
1	Cedar Grove Church
2	Davis Chapel
3	Mount Lily Church
4	Mount Zion Church
5	Paul Church
6	Spring Seat Church
7	Woodville Church
8	Fort Boggy State Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)

6928 CORSICANA - E. HOUSTON 16"

Scale: 1" = 4 Miles

CORSICANA - EAST HOUSTON

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

sCEH-3

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
(b) (7)(F) [redacted]	
13	Ebenezer Church
14	Little Zion Church
15	Cochran's Crossing Shopping Center
16	The Woodlands Mall
17	The Woodwinds
18	April Sound Country Club
19	Bentwater Yacht and Country Club
20	Cypresswood Golf Course
21	Del Lago Country Club
22	The Woodlands Country Club
23	W G Jones State Forest
24	Audubon Park
25	Tamarac Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6928 CORSICANA - E. HOUSTON 16"

Scale: 1" = 2 Miles

CORSICANA - EAST HOUSTON

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

See Reverse for Sensitivity List

sCEH-4

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
(b) (7)(F) [redacted]	
18	Eastex Oaks Church
19	Shady Oaks Church
20	Cypresswood Golf Course
21	El Dorado Country Club
22	Barbara Jordan Park
23	Elbert Triangle Park
24	Gleason Park
25	Hobart Taylor Park

Feature_No	NAME
26	Houston Gardens Park
27	Hutcheson Park
28	Jesse Jones County Park
29	Pelham Park
30	Pelham Park
31	Rosewood Park
32	Smokey Jasper Park
33	Tidwell Park
34	Trotter Park
35	Woods Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)

6926 MIDLAND - CORSICANA 14"/16"/20"
6927 XOM CORSICANA - SHELL CORSICANA 20"
6933 FROST BYPASS 20"
6942 FROST STA. - HILLSBORO JCT. 10"
6943 HILLSBORO JCT. - FROST STA. 10"

Scale: 1" = 4 Miles

CORSICANA - ODESSA
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN® MIDSTREAM PARTNERS, L.P.

12/10/2009

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
(b) (7)(F) [redacted]	
11	College Park Mall
12	Nature Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)

6926 MIDLAND - CORSICANA 14"/16"/20"

Scale: 1" = 4 Miles

CORSICANA - ODESSA

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

sCOD-2

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

(None)

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6926 MIDLAND - CORSICANA 14"/16"/20"

Scale: 1" = 4 Miles

CORSICANA - ODESSA

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

(b) (7)(F) [redacted]	
3	Community Chapel
4	Highland Church
5	Oliver Springs Church

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6926 MIDLAND - CORSICANA 14"/16"/20"

Scale: 1" = 4 Miles

CORSICANA - ODESSA

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
(b) (7)(F) [redacted]	
3	Mall of Abilene
4	Abilene Country Club
5	Fairway Oaks Country Club
6	Willow Creek Golf Center

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)

6926 MIDLAND - CORSICANA 14"/16"/20"

Scale: 1" = 4 Miles

CORSICANA - ODESSA

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

sCOD-5

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME

(b) (7)(F)

[redacted]

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)

6926 MIDLAND - CORSICANA 14"/16"/20"

Scale: 1" = 4 Miles

CORSICANA - ODESSA

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/15/2009

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
1	Big Spring Country Club
2	Comanche Trail Golf Course
3	Lake Colorado City State Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)

6926 MIDLAND - CORSICANA 14"/16"/20"
6932 MIDLAND - ODESSA 12"

Scale: 1" = 4 Miles

CORSICANA - ODESSA
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/15/2009

Water Intakes within 50 Miles Downstream

(none)

Sensitivities within 1 Mile

(none)

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6921 CORSICANA - CHICO 12"
6925 FROST - WHITE ROCK JCT. 12"
6930 FROST - MOBIL 16"
6931 FROST IFD 20"

Scale: 1" = 4 Miles

CORSICANA - WICHITA FALLS
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/15/2009

See Reverse for Sensitivity List

sCWF-1

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
(b) (7)(F) [redacted]	
3	College Park Mall
4	Dunlop Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6921 CORSICANA - CHICO 12"

Scale: 1" = 4 Miles

CORSICANA - WICHITA FALLS
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

See Reverse for Sensitivity List

sCWF-2

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
(b) (7)(F) [redacted]	
10	Buell Church
11	Greenbrier Church
12	Lane Prairie Church
13	Squaw Creek Golf Club

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6921 CORSICANA - CHICO 12"
6922 CHICO - WICHITA FALLS 12"

Scale: 1" = 4 Miles

CORSICANA - WICHITA FALLS
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/15/2009

See Reverse for Sensitivity List

sCWF-3

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
1	Bridgeport Int
2	Wilson Prairie Church

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6922 CHICO - WICHITA FALLS 12"

Scale: 1" = 4 Miles

CORSICANA - WICHITA FALLS
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

(none)

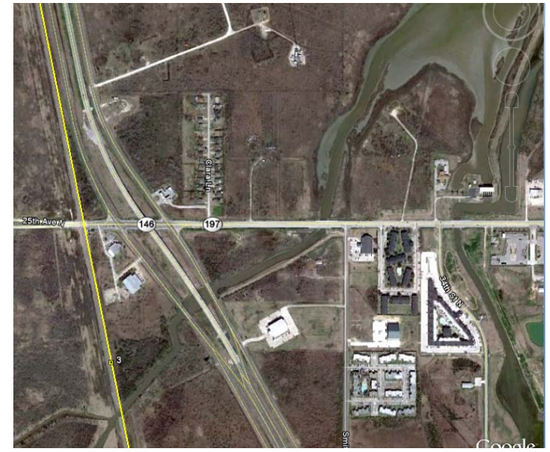
(b) (7)(F)

[redacted]

1 – Public Boat Ramp in Kemah, underneath Hwy 145

2 – Public Boat Ramp on NASA Parkway to the north of Space Center Boulevard

3 – Public Boat Ramp underneath Hwy 145 at the intersection of 29th Street



4 – Small Boat access (hand carry) at Hwy 197 and Smith Street (25th and 36th)

5 – Public Boat Ramp in Dickinson underneath Hwy 3 near 48th street

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

Pipeline List (This Sheet)

6950 GALENA PARK - EAST HOUSTON 12"
6953 GALENA PARK - EAST HOUSTON 16"
6954 EAST HOUSTON - FAUNA 20"
6831 HOLLAND AVE JCT - MOTIVA 8"
6832 EAST HOUSTON - HOLLAND AVE JCT 8"
6959 EAST HOUSTON - WEST COLUMBIA 16"
7030 GENOA JCT - SPEED JCT 24"
7035 SPPED JCT - DEER PARK 24"
7055 SPEED JCT - GENOA JCT 24"
7060 SPEED JCT - OTI JCT 24"

Scale: 1" = 2 Miles

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

9/23/2013

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

(b) (7)(F)	

[redacted]

Feature_No	NAME
(b) (7)(F)	

[redacted]

59	North Shore Church
60	Saint Pius Convent

Feature_No	NAME
61	Alameda Mall
62	Pasadena Oaks Shopping Center
63	Texaco Country Club
64	Cemetery
65	Crown Hill Cemetery
66	Harris County Cemetery
67	Christy Park
68	Creek Village Park
69	Evalyn Wilson Park
70	Falcon Park
71	Freeman Park
72	Galena Park City Park
73	Galena Park City Park
74	Gulf Palms Park
75	Gulf Palms Park
76	Herman Brown Park
77	Hobart Taylor Park
78	Maxey Park
79	Memorial Park
80	Northshore Park
81	Northshore Park
82	Oak Meadows Park
83	Park
84	Queens Park
85	Satsuma Park
86	Smith Park
87	Sunset Park
88	Wilke Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

Pipeline List (This Sheet)

7290 EL PASO - ALBUQUERQUE
7292 EL PASO - JUAREZ
7293 EL PASO - EL APSO AIRPORT

Scale: 1" = 2 Miles

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN® MIDSTREAM PARTNERS, L.P.

7/31/2013

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

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

Feature_No	NAME
(b) (7)(F) [redacted]	
29	Ysleta PK CTR
30	Airway Junction
31	Bassett Center
32	Cielo Vista Mall
33	Yarbrough Plaza
34	Ascarate Park Golf Course
35	Lone Star Golf Club
36	Painted Dunes Golf Course
37	Ponder Park
38	Vista del Valle Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

Pipeline List (This Sheet)
7290 EL PASO - ALBUQUERQUE

Scale: 1" = 4 Miles

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

7/31/2013

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

(b) (7)(F)

[redacted]

3	New Mexico Farm and Ranch Heritage Museum

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): New Mexico

Pipeline List (This Sheet)
7290 EL PASO - ALBUQUERQUE

Scale: 1" = 4 Miles

EL PASO - ALBUQUERQUE
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

7/31/2013

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(None)

Sensitivities within 1 Mile

(None)

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): New Mexico

Pipeline List (This Sheet)
7290 EL PASO - ALBUQUERQUE

Scale: 1" = 4 Miles

EL PASO - ALBUQUERQUE
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN® MIDSTREAM PARTNERS, L.P.

7/31/2013

Water Intakes within 50 Miles Downstream

(None)

Sensitivities within 1 Mile

(None)

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): New Mexico

Pipeline List (This Sheet)

7290 EL PASO - ALBUQUERQUE
7291 BELEN LATERAL

Scale: 1" = 4 Miles

EL PASO - ALBUQUERQUE
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

7/31/2013

Water Intakes within 50 Miles Downstream

(None)

(b) (7)(F)

[redacted]

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): New Mexico

Pipeline List (This Sheet)

7290 EL PASO - ALBUQUERQUE
7291 BELEN LATERAL

Scale: 1" = 4 Miles

EL PASO - ALBUQUERQUE
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

7/31/2013

Water Intakes within 50 Miles Downstream

(None)

Sensitivities within 1 Mile

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

6	Rio Grande Elem
7	El Cerro Church
8	Mountainview Mission
9	The Championship Golf Course at UNM
10	Tierra del Sol Country Club
11	El Camposanto de la Liverta
12	Peralta and Valencia Cemetery
13	Peralta Cemetery
14	San Jose Cemetery
15	Kirkland Park
16	South San Jose Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

Pipeline List (This Sheet)
6653 EL PASO JCT - STRAUSS 8"

Scale: 1" = 2 Miles

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

9/4/2013

See Reverse for Sensitivity List

sEPJS-1

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
1	Fort Bliss
2	Painted Dunes Golf Course
3	Flying J Travel Plaza

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)

6900 GREENVILLE - MT. PLEASANT 6"
6899 GREENVILLE - SOUTHLAKE 6"

Scale: 1" = 4 Miles

GREENVILLE - MT PLEASANT
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

sGMP-1

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
1	Battle Ax Church
2	Cedar Grove Church
3	New Hope Church
4	Paradise Church
5	Plainview Church
6	Prairie Valley Church

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6900 GREENVILLE - MT. PLEASANT 6"

Scale: 1" = 4 Miles

GREENVILLE - MT PLEASANT

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

See Reverse for Sensitivity List

sGMP-2

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
(b) (7)(F) [redacted]	
6	Shady Grove Church
7	Oaklawn Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)

6830 GALENA PARK #100-8"
6831 GALENA PARK #100-8"
6835 GALENA PARK #52-16"
6840 GALENA PARK #115-20"
6845 GALENA PARK #114-20"
6850 GALENA PARK #200-14"
6855 GALENA PARK #210-36"
6860 GALENA PARK #220-36"
6864 GALENA PARK #230-14" (SOUTH)
6865 GALENA PARK #230-14" (NORTH)
6866 PC4 - COLONIAL GASOLINE 36"
6867 PC4 - EXPLORER GASOLINE 36"/24"
6868 PC4 - COLONIAL DISTILLATE 36"
6869 PC4 - EXPLORER DISTILLATE 24"
6870 GALENA PARK #119-8"
6871 GALENA PARK #250 - 14"
6872 PRSI - WITTER STREET 12"
6873 WITTER STREET - SPIDER WEB JCT 12"
7605 CENTENNIAL CONN. #38 - 16" (SOUTH)
7610 CENTENNIAL CONN. #39 - 16" (NORTH)

Scale: 1" = 2 Miles

GALENA PARK
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

9/7/2011

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature No	NAME
(b) (7)(F) [redacted]	
15	River Terrace Golf Course
16	Galena Park City Park
17	Galena Park City Park
18	Memorial Park
19	Satsuma Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas & Oklahoma

Pipeline List (This Sheet)

6920 HENRIETTA - DUNCAN 12"

Scale: 1" = 4 Miles

HENRIETTA - DUNCAN

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/16/2009

See Reverse for Sensitivity List

sHDN-1

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

(none)

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6944 HEARNE - FT. WORTH 8"/10"

Scale: 1" = 4 Miles

HEARNE - DALLAS

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

See Reverse for Sensitivity List

sHFW-1

Water Intakes within 50 Miles Downstream

(None)

Sensitivities within 1 Mile

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

4	Calvary Church
5	Fish Creek Church
6	New Elam Church
7	Saint Mark Church
8	Saint Marys Church
9	Saint Paul Church
10	Shiloh Church
11	Hearne Municipal Golf Course

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6944 HEARNE - FT. WORTH 8"/10"

Scale: 1" = 4 Miles

HEARNE - DALLAS
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

Feature_No	NAME
(b) (7)(F) [redacted]	
13	Nazare Church
14	Saint Pauls Church
15	Springhill Church

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6944 HEARNE - FT. WORTH 8"/10"

Scale: 1" = 4 Miles

HEARNE - DALLAS

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

See Reverse for Sensitivity List

sHFW-3

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

(b) (7)(F)

[redacted]

2	Oak Branch Church

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6944 HEARNE - FT. WORTH 8"/10"

Scale: 1" = 2 Miles

HEARNE - DALLAS

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

See Reverse for Sensitivity List

sHFW-4

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

(b) (7)(F)

[redacted]

(b) (7)(F)	
[redacted]	
34	Calvary Tabernacle
35	Carmelite Monastery
36	Lakeridge Village Centre
37	The Market at Cedar Hill
38	Alexander Park
39	Arcadia Heights Park
40	Arcadia Park
41	Armstrong Historical Park
42	Bishop Flores Park
43	Camp El Har
44	Camp Whispering Cedars
45	Camp Wisdom
46	Dot Thomas Park
47	Eladio R Martinez Park
48	Escarpment Greenbelt PK
49	Frances Rizo Park
50	Highlands Park
51	Jaycee Zaragoza Park
52	Lakeside Park
53	Lapsley-Leewood Park
54	Lions Park
55	North Arcadia Park
56	North Quail Run Park
57	Oriole Park
58	Penn Springs Park
59	Rotary Park
60	Virginia Weaver Park

Feature_No	NAME
61	Waterford Oaks Park
62	Westhaven Park
63	Westmount Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)

6944 HEARNE - FT. WORTH 8"/10"

Scale: 1" = 2 Miles

DALLAS - FORT WORTH

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/10/2009

sHFW-5

Water Intakes within 50 Miles Downstream

(None)

(b) (7)(F)

[redacted]

8	Central Church
9	Mount Elam Church
10	Saint John Church
11	Westridge Church
12	Lone Star PK at Grand Prairie
13	Riverside Golf Course
14	Texas Star Golf Course
15	Twin Wells Municipal GC
16	Bishop Flores Park
17	Eladio R Martinez Park
18	Frances Rizo Park
19	Jaycee Zaragoza Park
20	Lapsley-Leewood Park
21	Mike Lewis Park
22	North Arcadia Park
23	Post Oak Village Park
24	River Legacy Parks
25	Running Bear Park
26	Softball World
27	Southwest Park
28	The Parks at Texas Star
29	Westmount Park

(b) (7)(F)

[redacted]

Magellan Pipeline
Magellan Pipeline - Inactive
Other Magellan Pipeline
Terminal
Pump Station
Meter Station
Pipeline Junction
Valve
Valve - Check

Milepost
High Population Area
Other Populated Area
Ecological Area
Drinking Water Area
Drinking Water Intake
Downstream Path

Hospital
School
Church
Amusement Park
Stadium
Shopping Center
Golf Course
Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)
6944 HEARNE - FT. WORTH 8"/10"

Scale: 1" = 2 Miles

DALLAS - FORT WORTH
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.
12/10/2009

See Reverse for Sensitivity List

sHFW-6

Water Intakes within 50 Miles Downstream

(None)

Sensitivities within 1 Mile

Feature_No	NAME
(b) (7)(F) [redacted]	
16	Bethlehem Church
17	Birdville Church
18	Covenant Church
19	Ridgecrest Church
20	Diamond Oaks Country Club
21	Westdale Hills Golf Course
22	Barbrook Park
23	Bellaire Park
24	Billy Creek Est Park
25	Broadway Park
26	Central Park
27	Engler Park
28	Fossil Creek Park
29	Jaycee Baker Park
30	Little Fossil Park
31	Redbud Park
32	Rickel Park
33	Rosebud Park
34	Springdale Park
35	Wan-Ka-Kani Park
36	Wells Park

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

7000 LOGAN - PASADENA 12"
7020 LATHAM LATERAL 14"

Scale: 1" = 4 Miles

LOGAN - PASADENA
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

9/24/2010

See Reverse for Sensitivity List

sLP-1

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

(b) (7)(F)

[redacted]

(b) (7)(F)

[redacted]

49	Grace Church
50	Peace Church
51	Saint Pius Convent

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6936 ODESSA - EL PASO 6"

Scale: 1" = 4 Miles

ODESSA - EL PASO

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN® MIDSTREAM PARTNERS, L.P.

12/11/2009

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(None)

Sensitivities within 1 Mile

(None)

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6936 ODESSA - EL PASO 6"

Scale: 1" = 4 Miles

ODESSA - EL PASO

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/11/2009

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(None)

Sensitivities within 1 Mile

(None)

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)

6936 ODESSA - EL PASO 6"

Scale: 1" = 4 Miles

ODESSA - EL PASO

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/11/2009

sOEP-3

Water Intakes within 50 Miles Downstream

(None)

Sensitivities within 1 Mile

(None)

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)

6936 ODESSA - EL PASO 6"

Scale: 1" = 4 Miles

ODESSA - EL PASO

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/11/2009

Water Intakes within 50 Miles Downstream

(None)

Sensitivities within 1 Mile

(None)

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

State(s): Texas

Pipeline List (This Sheet)

6936 ODESSA - EL PASO 6"
6937 EL PASO - SANTA FE 6"
6938 EL PASO - SANTA FE 12"
6939 SANTA FE - WESTERN REF. 6"
6940 SANTA FE - SOPAC. RR 4"

Scale: 1" = 2 Miles

ODESSA - EL PASO
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

12/11/2009

See Reverse for Sensitivity List

sOEP-5

Water Intakes within 50 Miles Downstream

(None)

Sensitivities within 1 Mile

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

Feature_No	NAME
(b) (7)(F) [redacted]	
36	Airway Junction
37	Cielo Vista Mall
38	Yarbrough Plaza
39	Ascarate Park Golf Course
40	Cielo Vista CC and Golf Course
41	Vista Hills Country Club
42	Ponder Park
43	Vista del Valle Park
44	Yucca Park

(b) (7)(F)

[redacted]

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

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

February 6, 2014

Richard Bondy
Magellan Pipeline Company, L.P.
Emergency Response and Preparedness Coordinator
One Williams Center, MD 29
Tulsa, OK 74121

**RE: LETTER OF APPROVAL: Magellan Pipeline Company, L.P., Southern District
Sequence Number: 0560, December 20, 2013**

Dear Mr. Bondy:

The Pipeline and Hazardous Materials Safety Administration (PHMSA) has received and reviewed Magellan Pipeline Company, L.P.'s amended oil spill response plan for Magellan Pipeline Company, L.P., Southern District dated December 20, 2013. We conclude that the Plan complies with PHMSA's regulations concerning onshore oil pipelines found at 49 Code of Federal Regulations (CFR) Part 194. Your Response Plan has been approved.

This approval is valid for five years from the date of this letter. You must revise and resubmit a Response Plan for approval by **February 6, 2019**. If discrepancies are found during PHMSA inspections, or if new or different operating conditions or information would substantially affect the implementation of this plan, you will be required to resubmit a revised plan. See 49 CFR § 194.121(b).

Should you have any questions or concerns, please contact me at (202) 366-4595 or by email at PHMSA.OPA90@dot.gov. Please include the sequence number and your PHMSA Operator Identification Number on any future correspondence.

Sincerely,

David K. Lehman, Acting Director
Emergency Support and Security Division
Office of Pipeline Safety

cc: PHMSA Southwest Region

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)

6948 REAGAN - TEMPLE 4"

Scale: 1" = 4 Miles

REAGAN - TEMPLE

6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

4/29/2011

sRT-1

Water Intakes within 50 Miles Downstream

(none)

Sensitivities within 1 Mile

(b) (7)(F)

[redacted]

10	Sammons Park Golf Course

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)

7025 GENOA JCT. - CMS-3 (TEXAS CITY) 26"
7030 GENOA JCT. - SPEED JCT. 24"
7035 SPEED JCT. - DEER PARK 24"
7040 SPEED JCT. - VALERO JCT. 24"

Scale: 1" = 4 Miles

SOUTH HOUSTON CRUDE
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

9/24/2010

sSHC-1

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

(b) (7)(F)

[redacted]

(b) (7)(F)

[redacted]

49	Zion Lutheran School
50	Pauls Union Church
51	Queen of Peace Church
52	Saint Pius Convent

(b) (7)(F)

[redacted]

- Magellan Pipeline
- Magellan Pipeline - Inactive
- Other Magellan Pipeline
- Terminal
- Pump Station
- Meter Station
- Pipeline Junction
- Valve
- Valve - Check
- Milepost
- High Population Area
- Other Populated Area
- Ecological Area
- Drinking Water Area
- Drinking Water Intake
- Downstream Path
- Hospital
- School
- Church
- Amusement Park
- Stadium
- Shopping Center
- Golf Course
- Park/Wildlife Refuge

See Reverse for Sensitivity List

State(s): Texas

Pipeline List (This Sheet)

7005 TEXAS CITY - LOGAN 18"
7010 TEXAS CITY - LOGAN 12"/14"

Scale: 1" = 4 Miles

TEXAS CITY - PASADENA
6.7 PIPELINE SENSITIVITY MAP

MAGELLAN MIDSTREAM PARTNERS, L.P.

9/24/2010

sTCP-1

Water Intakes within 50 Miles Downstream

(b) (7)(F)

[redacted]

Sensitivities within 1 Mile

(b) (7)(F)

[redacted]

24	Grace Church
25	Pauls Union Church
26	Peace Church

Feature_No	NAME
27	San Jacinto Church
28	Spencer Park Chapel

COMPANY ORIGINAL

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

by and between

Magellan Terminals Holdings, L.P.

and

SWS Environmental First Response

(Southern Waste Services, Inc. – SWS)

Contract Number MESRA 06MMLP130

Effective July 1 **, 2006**

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

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substance lists, material safety data sheets ("MSDS"), and information and training. In addition, each party will disseminate appropriate health and safety information to their subcontractors and those who handle, use or may be exposed to such hazardous chemicals as defined by this standard.

17.5 The Contractor shall be responsible for it and its employees becoming familiar with and reviewing manufacturer's MSDSs for any product which Company transports, handles or may be applicable to the work, prior to beginning any work. Upon execution of' the Agreement, Company shall provide to Contractor MSDSs of products transported on Company's pipelines.

18. **Notices**

Except as provided herein to the contrary, any notices of communications required or permitted to be given hereunder shall be given to the parties at the following addresses or such other addresses as may from time to time be designated in writing:

Company: Magellan Terminals Holdings, L.P.
One Williams Center – MD 27-3
Tulsa OK 74172

Attn: Melanie Little, Director of Environmental Health and Safety
(918) 574-7306

Contractor: SWS Environmental First Response
50 Visco CT
Nashville, TN 37210

(615) 291-9852
Attn: David Slauson

Notices sent by properly addressed mail, certified or registered with return receipt requested, and postage prepaid, shall be effective upon receipt. Notices sent in any other manner shall be effective when received by the Parties.

19. **Improper Payments**

Contractor will not use any funds received under this Agreement for illegal or otherwise improper purposes related to the Agreement. Contractor will not pay any commissions, fees, or rebates to any employee of Company nor favor any employee of Company with gifts or entertainment of significant cost or value.

EXHIBIT G

ANNUAL ACKNOWLEDGEMENT OF MASTER EMERGENCY SPILL RESPONSE AGREEMENT (MESRA)

In order to verify the status of Contractor's response teams, this acknowledgement form must be completed and signed by Contractor, and then submitted to Company not later than the 30th day of January annually.

Submittal of this form is required per MESRA paragraph 24 (c); however, failure to submit this document timely does not in any way constitute an abrogation of the terms and conditions of the MESRA.

Execution of this acknowledgement by Contractor's representative will serve as certification that Magellan Pipeline Company, L.P. has complied with the preparedness and prevention sections for securing arrangements with a hazardous materials cleanup contractor **Southern Waste Services, Inc. dba SWS First Response** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By:_____

Title: _____

Signature: _____

Date: _____

Complete this form annually and submit to:

Magellan Midstream Partners, L.P.
Holly Warner – Project Analyst
One Williams Center, MD 30
Tulsa, Oklahoma 74172

Email: holly.warner@magellanlp.com

COMPANY'S ORIGINAL

MASTER EMERGENCY SPILL RESPONSE AGREEMENT (OSRO Non-Classified)

by and between

Magellan Pipeline Company, L.P.

and

T & L Lease Service, LTD.

Contract Number MESRA 10MMLP184

Effective January 11, 2011

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

THIS MASTER EMERGENCY SPILL RESPONSE AGREEMENT ("Agreement"), entered into to be effective this 11th day of January, 2011 by and between **T & L LEASE SERVICE, LTD.**, a Texas limited company with its principal place of business in **Alvin, Texas** ("Contractor") and **MAGELLAN PIPELINE COMPANY, L.P.**, a Delaware limited partnership, with its principal place of business in **Tulsa, Oklahoma** ("Company") hereinafter jointly referred to as "Parties" or singularly as "Party".

WHEREAS, Company operates refined petroleum products pipeline system, terminals and ammonia pipeline system and may from time to time experience a release or spill of product that requires emergency response and follow-up services to assist Company in controlling and mitigating such spills;

WHEREAS, Contractor is experienced in providing emergency response and follow-up services to spills such as the type as Company may have;

WHEREAS, Company desires Contractor to assist Company in providing emergency response and follow-up services to spills if requested, and Contractor desires to perform such services when requested; and

NOW THEREFORE, for and in consideration of the mutual promises herein contained and for other good and valuable consideration, the Parties agree as follows:

1. Definitions

1.1 "Company Spill Response Request" shall mean a request by Company to Contractor for Spill Response Dispatch or Spill Response Standby.

1.2 "Emergency Equipment shall have the meaning set forth in Section 7.2 of this Agreement.

1.3 "Hazardous Waste (or Waste)" shall mean Product(s) and/or any material or substances contaminated with the Product(s).

1.4 "Laws" shall mean all applicable federal, state, county, local laws, regulations and ordinances, including without limitation, those issued under the auspices of the USCG, MMS, OPS, EPA, OPA 90, Department of Transportation ("DOT"), the Occupational Safety and Health Administration ("OSHA"), RCRA and CERCLA or any other authority having jurisdiction over the work.

1.5 "OPA 90" shall mean the Oil Pollution Act of 1990.

1.6 "OSRO" shall mean the Oil Spill Removal Organization contained in the Guidelines for the U.S. Coast Guard OSRO Classification Program.

1.7 "PREP" shall mean the National Preparedness For Response Exercise Program issued under the OPA 90 jointly by the U.S. Coast Guard ("USCG"), the Environmental Protection Agency ("EPA"), the Office of Pipeline Safety ("OPS"), and the Minerals Management Services ("MMS").

25. Non-Exclusivity

Nothing in this Agreement shall require Company to solely utilize the services of Contractor or to ever utilize Contractor's services.

26. Applicable Law

This Agreement shall be governed by, and in accordance with, the laws of the State of Oklahoma without regard to principles of conflicts of laws.

27. Entire Agreement

This Agreement states the entire agreement between the parties with respect to the subject matter thereof and supersedes all prior agreements and understandings, whether oral or written, between the parties with respect to the subject matter hereof and may not be amended except by written instrument executed by the parties hereto. Release or waiver of any default or the failure to assert any right under this Agreement shall not be deemed in any case to be confirming waiver as to constitute an amendment of this Agreement. All Exhibits referenced herein and attached hereto are incorporated by reference as part of this Agreement.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed effective as of the date first above written by their duly authorized representatives below.

MAGELLAN PIPELINE COMPANY, L.P. By: Magellan Pipeline GP, LLC, Its General Partner	T & L LEASE SERVICE, LTD.
By: Rick Fahrenkrog	By: Houston Martin
Name: Rick Fahrenkrog	Name: Houston Martin
Title: Director, EH&S	Title: GM
Date: 1/11/11	Date: 12/20/10

EXHIBIT G

ANNUAL ACKNOWLEDGEMENT OF MASTER EMERGENCY SPILL RESPONSE AGREEMENT (MESRA)

In order to verify the status of Contractor's response teams, this acknowledgement form must be completed and signed by Contractor, and then submitted to Company not later than the 30th day of January annually.

Submittal of this form is required per MESRA paragraph 22 (c); however, failure to submit this document timely does not in any way constitute an abrogation of the terms and conditions of the MESRA.

Execution of this acknowledgement by Contractor's representative will serve as certification that Magellan Pipeline Company, L.P. has complied with the preparedness and prevention sections for securing arrangements with a hazardous materials cleanup contractor **T & L Lease Service, LTD.** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: Houston Martin

Title: GM

Signature: Houston Martin

Date: 1/10/13

Complete this form annually and submit to:

Magellan Midstream Partners, L.P.
Holly Warner – Project Analyst III
One Williams Center, MD 30
Tulsa, Oklahoma 74172

Email: holly.warner@magellanlp.com

COMPANY'S ORIGINAL

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

by and between

Magellan Pipeline Company, L.P.

and

TAS Environmental Services, L.P.

Contract Number MESRA 06MMLP126

Effective July 1 **, 2006**

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

THIS MASTER EMERGENCY SPILL RESPONSE AGREEMENT (" Agreement"), entered into to be effective this 1st day of July 2006 by and between, TAS Environmental Services, L.P.a Limited Partnership with its principal place of business in Fort Worth, TX ("Contractor") and MAGELLAN PIPELINE COMPANY, L.P. a Delaware corporation, with its principal place of business in Tulsa, Oklahoma ("Company") hereinafter jointly referred to as "Parties" or singularly as "Party".

WHEREAS, Company operates refined petroleum products pipeline system, terminals and ammonia pipeline system and may from time to time experience a release or spill of product that requires emergency response and follow-up services to assist Company in controlling and mitigating such spills;

WHEREAS, Contractor is experienced in providing emergency response and follow-up services to spills such as the type as Company may have;

WHEREAS, Company desires Contractor to assist Company in providing emergency response and follow-up services to spills if requested, and Contractor desires to perform such services when requested; and

NOW THEREFORE, for and in consideration of the mutual promises herein contained and for other good and valuable consideration, the Parties agree as follows:

1. **Definitions**

1.1 "Company Spill Response Request" shall mean a request by Company to Contractor for Spill Response Dispatch or Spill Response Standby.

1.2 "Hazardous Waste (or Waste)" shall mean Product(s) and/or any material or substances contaminated with the Product(s).

1.3 "Laws" shall mean all applicable federal, state, county, local laws, regulations and ordinances, including without limitation, those issued under the auspices of the USCG, MMS, OPS, EPA, OPA 90, OSRO, PREP, Department of Transportation ("DOT"), the Occupational Safety and Health Administration ("OSHA"), RCRA and CERCLA or any other authority having jurisdiction over the work.

1.4 "OPA 90" shall mean the Oil Pollution Act of 1990.

1.5 "OSRO" shall mean the Oil Spill Removal Organization contained in the Guidelines for the U.S. Coast Guard OSRO Classification Program.

1.6 "PREP" shall mean the National Preparedness For Response Exercise Program issued under the OPA 90 jointly by the U.S. Coast Guard ("USCG"), the Environmental Protection Agency ("EPA"), the Office of Pipeline Safety ("OPS"), and the Minerals Management Services ("MMS").

In performance of the work, the Contractor shall at all times be an independent contractor and the relation of the parties in the Agreement shall in no event be construed as constituting any other relationship.

27. **Non-Exclusivity**

Nothing in this Agreement shall require Company to solely utilize the services of Contractor or to ever utilize Contractor's services.

28. **Applicable Law**

This Agreement shall be governed by, and in accordance with, the laws of the State of Oklahoma without regard to principles of conflicts of laws.

29. **Entire Agreement**

This Agreement states the entire agreement between the parties with respect to the subject matter thereof and supersedes all prior agreements and understandings, whether oral or written, between the parties with respect to the subject matter hereof and may not be amended except by written instrument executed by the parties hereto. Release or waiver of any default or the failure to assert any right under this Agreement shall not be deemed in any case to be confirming waiver as to constitute an amendment of this Agreement. All Exhibits referenced herein and attached hereto are incorporated by reference as part of this Agreement.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed effective as of the date first above written by their duly authorized representatives below.

Magellan Pipeline Company, L.P. By: Magellan Pipeline GP,LLC, its general partner	**TAS Environmental Services, L.P.**
By: Melanie Little	By:
Name: Melanie Little	Name: J Salzer
Title: Director, EH&S	Title: President of the GP
Date: 6/30/06	Date: June 23, 2006

EXHIBIT G

ANNUAL ACKNOWLEDGEMENT OF MASTER EMERGENCY SPILL RESPONSE AGREEMENT (MESRA)

In order to verify the status of Contractor's response teams, this acknowledgement form must be completed and signed by Contractor, and then submitted to Company not later than the 30th day of January annually.

Submittal of this form is required per MESRA paragraph 24 (c); however, failure to submit this document timely does not in any way constitute an abrogation of the terms and conditions of the MESRA.

Execution of this acknowledgement by Contractor's representative will serve as certification that Magellan Pipeline Company, L.P. has complied with the preparedness and prevention sections for securing arrangements with a hazardous materials cleanup contractor **TAS Environmental Services, L.P.** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: J Salzer

Title: CEO

Signature: _____

Date: 1.7.13

Complete this form annually and submit to:

Magellan Midstream Partners, L.P.
Holly Warner – Project Analyst III
One Williams Center, MD 30
Tulsa, Oklahoma 74172

Email: holly.warner@magellanlp.com

TAS ENVIRONMENTAL SERVICES, LP

2012 - PREP Report - ALL Regions

Date	Company	Location	Drill Type	Spill Type	Product	Qty (bbl)	Deployment				
							Skimmer	Vac Truck	Boom	Boats	Labor
01/01/12	[redacted]	Campti, LA	ER	Facilty	um Hydroxide (white Lic	215		X	X		X
01/02/12	[redacted]	Pawnee, TX	ER	ER	Dilling Mud	95		X			X
01/02/12	[redacted]	Catarina, TX	ER	ER	Ferrotrol 280 L acid	4					X
01/04/12	[redacted]	Dallas, TX	ER	Facility	Sodium Hypochlorite	12		X			X
01/10/12	[redacted]	Waskom, TX	ER	E&P	Liquid Condensate	60	X	X	X		X
01/10/12	[redacted]	Cockrell Hill, TX	ER	Facility	Diesel Fuel	6		X	X		X
01/11/12	[redacted]	Waskom, TX	ER	E&P	Liquid Condensate	150	X	X	X		X
01/11/12	[redacted]	Friendship, AR	ER	ransportio	N-Proply Acetate	155		X	X		X
01/12/12	[redacted]	Arlington, TX	ER	Transport	Ethanol	80		X	X		X
01/17/12	[redacted]	Wilmer, TX	ER	Transport	Diesel Fuel	1					X
01/20/12	[redacted]	San Antonio, TX	ER	Transport	Diesel Fuel	4					X
01/20/12	[redacted]	Yoakum, TX	ER	E&P	CrudeOil Condensate	1			X		X
01/23/12	[redacted]	Mesquite, TX	ER	Facility	Unleaded Gasoline	5.5			X		X
01/24/12	[redacted]	Longview, TX	ER	ransportio	Diesel Fuel	2.5		X	X		X
01/25/12	[redacted]	Pineville, LA	ER	ransportio	Diesel Fuel	1					X
01/27/12	[redacted]	Artesia Wells,TX	ER	Transport	Red Dye Diesel	1					X
01/28/12	[redacted]	Homer, LA	ER	Facilty	Saltwater/Crude oil	2					X
01/31/12	[redacted]	Texarkana, AR	ER	ransportio	Diesel Fuel	26		X			X
02/03/12	[redacted]	Arlington, TX	ER	Transport	Hydraulic Oil	12			X		X
02/06/12	[redacted]	Atlanta, TX	ER	Transport	Diesel Fuel	2					X
02/16/12	[redacted]	Marthaville, LA	ER	Facilty	Diesel Fuel	6					X
02/17/12	[redacted]	Lewisville, TX	ER	Facility	Transformer Oil	2					X
02/18/12	[redacted]	Richland, TX	ER	Transport	Diesel Fuel	1		X	X		X
02/20/12	[redacted]	Texarkana, AR	ER	ransportio	Diesel Fuel	2					X
02/24/12	[redacted]	Yoakum, TX	ER	E&P	CrudeOil Condensate	4					X
02/25/12	[redacted]	Doddridge, AR	ER	ransportio	Diesel Fuel	2					X
02/26/12	[redacted]	Malvern, AR	ER	ransportio	Diesel Fuel	5			X		X
02/26/12	[redacted]	Malvern, AR	ER	ransportio	Diesel Fuel	4.5			X		X
02/28/12	[redacted]	Tilden, Texas	ER	Transport	JG-1 Water Gelling Age	4					X
02/29/12	[redacted]	Dallas, TX	ER	Transport	Diesel Fuel	2					X
02/29/12	[redacted]	Dallas, TX	ER	Transport	Corn Syrup	2					X

03/02/12	[redacted]	Smiley, TX	ER	Transport	Diesel Fuel	1					X
03/06/12	[redacted]	Easton, TX	ER	Transport	Potassium Hydroxide	8					X
03/07/12	[redacted]	Dilley, TX	ER	Transport	Diesel Fuel	7					X
03/08/12	[redacted]	Malvern, AR	ER	'ransportio	Diesel Fuel	1			X		X
03/08/12	[redacted]	Lancaster, TX	ER	Transport	Diesel Fuel	1.5					X
03/12/12	[redacted]	Joquine, TX	ER	E&P	Liquid Condensate	14		X	X		X
03/20/12	[redacted]	Shreeveport, LA	ER	'ransportio	Diesel Fuel	2		X			X
03/21/12	[redacted]	San Marcos, TX	ER	Transport	Hydraulic Fluid	1					X
03/23/12	[redacted]	Homer, LA	ER	'ransportio	Crude Oil	2					X
03/26/12	[redacted]	San Antonio, TX	ER	Transport	Diesel Fuel	2					X
03/26/12	[redacted]	Pleasanton	ER	Transport	Acetic Acid Spill	16					X
03/26/12	[redacted]	Karnes City, TX	ER	Transport	Water Gelling Agent	1		X			X
03/28/12	[redacted]	Austin, TX	ER	Transport	Gasoline	203			X		X
03/29/12	[redacted]	Crossett, LA	ER	Facility	Formaldehyde	1		X			X
04/01/12	[redacted]	Los Angeles, TX	ER	Transport	Water Gelling Agent	186					X
04/07/12	[redacted]	Cedar Creek, TX	ER	Transport	Jet Fuel	1					X
04/10/12	[redacted]	Schertz, TX	ER	Transport	Diesel Fuel	2					X
04/11/12	[redacted]	Maumelle, AR	ER	'ransportio	Diesel Fuel	18		X	X		X
04/11/12	[redacted]	Bossier City, LA	ER	'ransportio	SPF Sunscreen Lotion	6.5					X
04/11/12	[redacted]	Fort Worth, TX	Drill Type	Drill	Ethanol						
04/12/12	[redacted]	Jordanton, TX	ER	Transport	Hydrochloric Acid	8					X
04/12/12	[redacted]	Schertz, TX	ER	Transport	Herbicide/Clean Amine	3					
04/13/12	[redacted]	Bossier City, LA	ER	'ransportio	Magic10 Acrylic Resin	6.5					X
04/14/12	[redacted]	Center Ridge, AR	ER	Facilty	Friction Reducer	5		X			X
04/14/12	[redacted]	Mesquite, TX	ER	Facility	Diesel Fuel	5					X
04/14/12	[redacted]	Eagle Pass, TX	ER	Transport	Paint	5					X
04/18/12	[redacted]	Crowley, TX	ER	Transport	Diesel Fuel	1					X
04/23/12	[redacted]	Grand Prairie, TX	ER	Transport	Diesel Fuel	2		X	X		X
04/27/12	[redacted]	Alvarado, TX	ER	Transport	Methanol, Diesel, Oil	174		X			X
04/28/12	[redacted]	Camden, AR	ER	'ransportio	Diesel Fuel	6.5		X	X		X
04/30/12	[redacted]	Cotulla, TX	ER	Transport	Hydrochloric Acid	30					X
05/01/12	[redacted]	Sunnyvale, TX	ER	Facility	Ammonium Hydroxide	1					X
05/02/12	[redacted]	Malvern, AR	ER	'ransportio	Diesel Fuel	1.5					X
05/02/12	[redacted]	Anna, TX	ER	Facility	Diesel Fuel	5					X
05/02/12	[redacted]	Anna, TX	ER	Transport	Diesel Fuel	2					X
05/04/12	[redacted]	Seymour, TX	ER	Transport	LV6 Herbacide	7					X

05/04/12	[redacted]	Corpus Christi, TX	ER	Facilty	ene/Aliphatic Hydrocarb	4					X
05/09/12	[redacted]	Flower Mound, TX	ER	Facility	Virgin Engine Oil	3					X
05/11/12	[redacted]	Austin, TX	ER	Transport	Gasoline	2					X
05/11/12	[redacted]	San Antonio, TX	ER	Facilty	Temprid SC Insecticide	6		X			X
05/14/12	[redacted]	Lodi, AR	ER	ransportio	Diesel Fuel	2			X		X
05/15/12	[redacted]	Mitchel, LA	ER	Facilty	Diesel Fuel/Oil	1.5					X
05/16/12	[redacted]	Kennedy, TX	ER	E&P	Crude Oil	56					X
05/18/12	[redacted]	Cambellton, TX	ER	Transport	93% Sulfuric Acid	5					X
05/19/12	[redacted]	Mabank, TX	ER	Transport	Diesel Fuel	2			X		X
05/22/12	[redacted]	Midlothian, TX	ER	Facility	Mineral Oil	7					X
05/24/12	[redacted]	Shreeveport, LA	ER	ransportio	Diesel Fuel	2.5		X			X
05/25/12	[redacted]	Jodsonia, AR	ER	ransportio	Painting gloss	1					X
05/27/12	[redacted]	Kermit, TX	ER	E & P	Hydrochloric Acid	30					X
05/31/12	[redacted]	Denton, TX	ER	Transport	Paint	6					X
05/31/12	[redacted]	Austin, TX	ER	Transport	Diesel Fuel	3		X	X		X
06/07/12	[redacted]	Midlothian, TX	ER	Transport	Transmix	4		X	X		X
06/08/12	[redacted]	Mansfield, LA	ER	Facilty	H2S Scavenger	5					X
06/08/12	[redacted]	Austin, TX	ER	Transport	Virgin Motor Oil	1			X	X	X
06/11/12	[redacted]	Mansfield, TX	ER	Transport	Salt Water	130					X
06/11/12	[redacted]	San Antonio, TX	ER	Transport	Diesel Fuel	2					X
06/12/12	[redacted]	San Antonio, TX	ER	Facilty	rimethylbenzene/Xylen	6					X
06/18/12	[redacted]	Dallas, TX	ER	Transport	Chlorite Solution	2.5					X
06/18/12	[redacted]	Burnet, TX	ER	Transport	Diesel Fuel	2					X
06/19/12	[redacted]	Greenwood, LA	ER	asnportatio	Motor, Hydraulic oil	2		X	X		X
06/24/12	[redacted]	Longview, TX	ER	Facility	Crude Oil	25		X			X
06/28/12	[redacted]	Manor, TX	ER	Transport	Diesel Fuel	6					X
06/29/12	[redacted]	Luling, TX	Drill Type	Drill							
07/02/12	[redacted]	Hosston, LA	ER	ransportio	Diesel Fuel	2					X
07/02/12	[redacted]	Celina, TX	ER	Transport	Unleaded Gasoline	41.5		X	X		X
07/02/12	[redacted]	Dallas, TX	ER	Transport	Fire Water Run-off	404		X	X	X	X
07/02/12	[redacted]	Pearsall, TX	ER	E&P	Crude Oil	2					X
07/03/12	[redacted]	Garland, TX	ER	Facility	Polyester Resin	3.5					X
07/07/12	[redacted]	Oak Hill, TX	ER	E&P	Liquid Condensate	2				X	X
07/09/12	[redacted]	Mansfield, TX	ER	E & P	Hydrochloric Acid	52					X
07/10/12	[redacted]	Tioga, TX	ER	Transport	Diesel Fuel	1			X		X
07/13/12	[redacted]	Tilden, TX	ER	Transport	-10 Potassium Phosphat	8					X

07/14/12	[redacted]	Tilden, TX	ER	E&P	Crude Oil	5					X
07/21/12	[redacted]	Laredo, TX	ER	Transport	Hydrochloric Acid	2					X
07/22/12	[redacted]	Catarina, TX	ER	E&P	15% Hydrocloric Acid	37					X
07/23/12	[redacted]	Goliad, TX	ER	E&P	Crude Oil & Procesd H2)	40					X
07/27/12	[redacted]	Elmendorf, TX	ER	E&P	etroleum Impacted Wate	20					X
07/30/12	[redacted]	Vancourt, TX	ER	Transport	Gear Oil	84		X			X
08/01/12	[redacted]	Crystal City, TX	ER	Transport	Crude Oil	4					X
08/03/12	[redacted]	Shreeveport, LA	ER	ransportio	Cla-Web	4.5					X
08/03/12	[redacted]	Ponder, TX	ER	Facility	Diesel Fuel	2.5					X
08/05/12	[redacted]	Pratsville, LA	ER	ransportio	Diesel Fuel	7					X
08/06/12	[redacted]	Austin, TX	ER	Facilty	Waste Water	6			X		X
08/09/12	[redacted]	Dallas, TX	ER	Facility	Flammable Liquid	3.5					X
08/11/12	[redacted]	Irving, TX	ER	Facility	I DEF Fluid	2		X			X
08/19/12	[redacted]	Falls City, TX	ER	Transport	Crude Oil	50			X		X
08/27/12	[redacted]	Lisbon, LA	ER	Facilty	Saltwater	50					X
08/28/12	[redacted]	Garland, TX	ER	Facility	Hydraulic Oil	6.5					X
09/01/12	[redacted]	Shreeveport, LA	ER	Facilty	Gasoline	60		X			X
09/03/12	[redacted]	Moulton, TX	ER	Facilty	Hydrochloric Acid	43					X
09/04/12	[redacted]	Wilmer, TX	ER	Transport	Diesel Fuel	2					X
09/04/12	[redacted]	Bazine, KS	ER	E & P	Hydrochloric Acid	429		X			X
09/05/12	[redacted]	Bruni, TX	ER	Facilty	Tranformer Oil	6					X
09/06/12	[redacted]	Wilmer, TX	ER	Transport	Diesel Fuel	2					X
09/06/12	[redacted]	Waco, TX	ER	Transport	Diesel Fuel	2			X		X
09/10/12	[redacted]	Belton, TX	ER	Transport	Diesel Fuel	2					X
09/12/12	[redacted]	Fargo, OK	ER	E & P	Diesel Fuel	2					X
09/13/12	[redacted]	Karnes City, TX	ER	E&P	Hydrochloric Acid	5					X
09/14/12	[redacted]	San Antonio, TX	ER	Transport	Gasoline	72		X			X
09/14/12	[redacted]	Nixon, TX	ER	Transport	Gasoline	24					X
09/14/12	[redacted]	San Antonio, TX	ER	Transport	Diesel Fuel	2					X
09/20/12	[redacted]	Pearsall, TX	ER	E&P	Hydrochloric Acid	3					X
09/24/12	[redacted]	Waskom, TX	ER	Facilty	Crude Oil	10		X			X
09/25/12	[redacted]	Lancaster, TX	ER	Transport	AQ-CT Gloss	1					X
09/26/12	[redacted]	Southlake, TX	Drill Type	Drill	Gasoline			X	X		X
09/26/12	[redacted]	Seguin, TX	ER	Transport	Diesel Fuel	3					X

09/27/12	[redacted]	Austin, TX	ER	Transport	Gasoline	55			X		X
09/28/12	[redacted]	Shreeveport, LA	ER	Facilty	Lube Oil	1.5					X
09/28/12	[redacted]	San Antonio, TX	ER	Transport	Red Dye Diesel	1					X
10/01/12	[redacted]	Kenedy, TX	ER	Transport	Diesel Fuel	3		X	X		X
10/03/12	[redacted]	Mansfield, LA	ER	Facilty	Lube Oil	1					X
10/04/12	[redacted]	Henderson, TX	ER	E&P	Natural Gas Condensate	5					X
10/10/12	[redacted]	Gary TX	Drill Type	Drill	Gasoline						
10/11/12	[redacted]	Beckville, TX	ER	E&P	Natural Gas Condensate	42	X	X	X	X	X
10/13/12	[redacted]	Marysville, AR	ER	'ransportio	Diesel Fuel	1		X			X
10/14/12	[redacted]	Malvern, AR	ER	'ransportio	Diesel Fuel/Motor Oil	1			X		X
10/15/12	[redacted]	Knott, TX	ER	Transport	Diesel Fuel	1					X
10/15/12	[redacted]	Buda, TX	ER	Transport	Diesel Fuel	4					X
10/17/12	[redacted]	Decatur, TX	Drill Type	Drill	Crude Oil						
10/17/12	[redacted]	Nixon, TX	ER	Transport	Diesel Fuel	10			X		X
10/22/12	[redacted]	Stuttgart, AR	ER	Facility	Soybean Oil	1					X
10/23/12	[redacted]	Beorne, TX	ER	Facilty	Tranformer Oil	2					X
10/25/12	[redacted]	Fort Worth, TX	Drill Type	Drill	Ethanol	30,000					X
10/28/12	[redacted]	San Antonio, TX	ER	Transport	Diesel Fuel	20					X
11/01/12	[redacted]	New Boston	ER	'ransportio	Diesel Fuel	2					X
11/01/12	[redacted]	Jarrell, TX	ER	Transport	Diesel Fuel	1					X
11/02/12	[redacted]	Weatherford, TX	ER	Facility	Diesel Fuel	2		X			X
11/03/12	[redacted]	Carthage, TX	ER	'ransportio	Scale Inhibitor&FOAM	8		X	X		X
11/12/12	[redacted]	Mertens, TX	ER	E&P	Diesel Fuel	42		X	X		X
11/15/12	[redacted]	Carthage, TX	ER	'ransportio	Diesel & Mineral Oil	4.5		X	X		X
11/17/12	[redacted]	Shreeveport, LA	ER	'ransportio	Lube Oil	4					X
11/25/12	[redacted]	Elmendorf, TX	ER	Transport	Diesel Fuel	3					X
11/26/12	[redacted]	Hindes, TX	ER	Transport	Crude Oil	5			X		X
11/27/12	[redacted]	Kenedy, TX	ER	Transport	Corrision Inhibitor	11					X
11/28/12	[redacted]	San Antonio, TX	ER	Facilty	Sanitary Sewage	59.5					X
12/04/12	[redacted]	Granbury, TX	Drill Type	Drill							X
12/05/12	[redacted]	Dilley, TX	ER	Transport	Crude Oil	8					X
12/11/12	[redacted]	Longview, TX	ER	Facility	PCB Mineral Oil	15.5		X			X
12/12/12	[redacted]	Pearsall, TX	ER	Transport	Diesel Fuel	1					X
12/15/12	[redacted]	San Antonio, TX	ER	Transport	Diesel Fuel	2					X

12/17/12	[redacted]	San Antonio, TX	ER	Transport	Diesel Fuel	2					X
12/18/12	[redacted]	Glen Rose, TX	ER	Transport	Diesel Fuel	2					X
12/19/12	[redacted]	Stephens Co, OK	ER	E&P	Diesel Fuel	1					X
12/19/12	[redacted]	Gonzales, TX	ER	Transport	Diesel Fuel	1					X

MAGELLAN®
MIDSTREAM PARTNERS, L.P.

May 13, 2011

VIA FEDEX ***797094435685***

Ms. Mary McDonald
Director, Safety Division
Texas Railroad Commission
PO Box 12967
Austin, Texas 78711

Subject: Magellan Pipeline Company, L.P. Pipeline
Southern District Plan Number 560

Dear Ms. McDonald:

I am submitting for your files, a revised copy of the Magellan Southern District Pipeline Response Plan # 560. This update is due to Magellan recently acquiring a 38 mile section of pipeline connecting our existing line from Reagan, Texas, to Temple, Texas.

If you would like to discuss the details of this submittal, please feel free to contact me at (918) 574-7363. Please forward all correspondence to my attention at the address indicated below, or by email at Richard.bondy@magellanlp.com.

Sincerely,

Richard Bondy
Emergency Response and Security Coordinator
Magellan Pipeline Company, L.P.

(b) (7)(F)

[redacted]

Legend

- Petroleum Terminal
- Petroleum Pump Station
- Petroleum Meter Station
- Crude Terminal
- Crude Pump Station
- Magellan Pipeline (Active)
- Magellan Pipeline (Inactive)
- Magellan Crude Pipeline
- Map Index
- High Population Area
- District_County

N W E S

100 50 0 100 200

Miles

6.7 PIPELINE SENSITIVITY MAPS

Texas District Sheet Index

MAGELLAN MIDSTREAM PARTNERS, L.P.

4/16/2014

(b) (7)(F)

[redacted]

Legend

- Petroleum Terminal
- Petroleum Pump Station
- Petroleum Meter Station
- Crude Terminal
- Crude Pump Station
- Magellan Pipeline (Active)
- Magellan Pipeline (Inactive)
- Magellan Crude Pipeline
- High Population Area
- District_County

N W E S

100 50 0 100 200

Miles

Texas District Map

MAGELLAN MIDSTREAM PARTNERS, L.P.

4/16/2014

(b) (7)(F)

[redacted]

Legend

- Petroleum Terminal
- Petroleum Pump Station
- Petroleum Meter Station
- Crude Terminal
- Crude Pump Station
- Magellan Pipeline (Active)
- Magellan Pipeline (Inactive)
- Magellan Crude Pipeline
- High Popula ion Area
- OSRO/Contractor Location
- Tier I High Volume Areas (6 Hrs)
- Tier I All Other Areas (12 Hrs)

N W E S

100 50 0 100 200

Miles

FIGURE B.1-2

Texas District OSRO Overview Map

MAGELLAN® MIDSTREAM PARTNERS, L.P.

4/16/2014

MASTER EMERGENCY SPILL RESPONSE AGREEMENT (OSRO-Classified)

by and between

Magellan Pipeline Company, L.P.

and

United States Environmental Services, L.L.C.

Contract Number MESRA 07MMLP551

Effective August 20, 2007

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

THIS MASTER EMERGENCY SPILL RESPONSE AGREEMENT (" Agreement"), entered into to be effective this 28 day of August 2007 by and between, **United States Environmental Services, L.L.C.**, a **Limited Liability Company** with its principal place of business in **Louisiana** ("Contractor") and MAGELLAN PIPELINE COMPANY, L.P. a Delaware corporation, with its principal place of business in Tulsa, Oklahoma ("Company") hereinafter jointly referred to as "Parties" or singularly as "Party".

WHEREAS, Company operates refined petroleum products pipeline system, terminals and ammonia pipeline system and may from time to time experience a release or spill of product that requires emergency response and follow-up services to assist Company in controlling and mitigating such spills;

WHEREAS, Contractor is experienced in providing emergency response and follow-up services to spills such as the type as Company may have;

WHEREAS, Company desires Contractor to assist Company in providing emergency response and follow-up services to spills if requested, and Contractor desires to perform such services when requested; and

NOW THEREFORE, for and in consideration of the mutual promises herein contained and for other good and valuable consideration, the Parties agree as follows:

1. Definitions

1.1 "Company Spill Response Request" shall mean a request by Company to Contractor for Spill Response Dispatch or Spill Response Standby.

1.2 "Hazardous Waste (or Waste)" shall mean Product(s) and/or any material or substances contaminated with the Product(s).

1.3 "Laws" shall mean all applicable federal, state, county, local laws, regulations and ordinances, including without limitation, those issued under the auspices of the USCG, MMS, OPS, EPA, OPA 90, OSRO, PREP, Department of Transportation ("DOT"), the Occupational Safety and Health Administration ("OSHA"), RCRA and CERCLA or any other authority having jurisdiction over the work.

1.4 "OPA 90" shall mean the Oil Pollution Act of 1990.

1.5 "OSRO" shall mean the Oil Spill Removal Organization contained in the Guidelines for the U.S. Coast Guard OSRO Classification Program.

1.6 "PREP" shall mean the National Preparedness For Response Exercise Program issued under the OPA 90 jointly by the U.S. Coast Guard ("USCG"), the Environmental Protection Agency ("EPA"), the Office of Pipeline Safety ("OPS"), and the Minerals Management Services ("MMS").

In performance of the work, the Contractor shall at all times be an independent contractor and the relation of the parties in the Agreement shall in no event be construed as constituting any other relationship.

27. **Non-Exclusivity**

Nothing in this Agreement shall require Company to solely utilize the services of Contractor or to ever utilize Contractor's services.

28. **Applicable Law**

This Agreement shall be governed by, and in accordance with, the laws of the State of Oklahoma without regard to principles of conflicts of laws.

29. **Entire Agreement**

This Agreement states the entire agreement between the parties with respect to the subject matter thereof and supersedes all prior agreements and understandings, whether oral or written, between the parties with respect to the subject matter hereof and may not be amended except by written instrument executed by the parties hereto. Release or waiver of any default or the failure to assert any right under this Agreement shall not be deemed in any case to be confirming waiver as to constitute an amendment of this Agreement. All Exhibits referenced herein and attached hereto are incorporated by reference as part of this Agreement.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed effective as of the date first above written by their duly authorized representatives below.

Magellan Pipeline Company, L.P. by Magellan Pipeline GP,LLC, its general partner	**United States Environmental Services, L.L.C.**
By:	By:
Name: Damon Wright	Name: Thomas R. Sumner
Title: Environmental Specialist	Title: COO
Date: 8/28/07	Date: 8/20/07

Rick Fahrenkrog
Director, EHS&S
8/28/07

EXHIBIT G

ANNUAL ACKNOWLEDGEMENT OF MASTER EMERGENCY SPILL RESPONSE AGREEMENT (MESRA)

In order to verify the status of Contractor's response teams, this acknowledgement form must be completed and signed by Contractor, and then submitted to Company not later than the 30th day of January annually.

Submittal of this form is required per MESRA paragraph 24 (c); however, failure to submit this document timely does not in any way constitute an abrogation of the terms and conditions of the MESRA.

Execution of this acknowledgement by Contractor's representative will serve as certification that Magellan Pipeline Company, L.P. has complied with the preparedness and prevention sections for securing arrangements with a hazardous materials cleanup contractor **United States Environmental Services, L.L.C.** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: Kate Mills

Title: Corporate Contracts Manager

Signature: Kate Mills

Date: 1/18/13

Complete this form annually and submit to:

Magellan Midstream Partners, L.P.
Holly Warner – Project Analyst III
One Williams Center, MD 30
Tulsa, Oklahoma 74172

Email: holly.warner@magellanlp.com

UNITED STATES ENVIRONMENTAL SERVICES
Industrial | Response & Remediation | Maritime

EMERGENCY RESPONSE EQUIPMENT LIST

24-Hour Emergency Number: 888-279-9930

COMPANY HEADQUARTERS ***24-Hour Emergency Numbers:*** ***888-279-9930 (or) 504-279-9930*** 365 Canal Street, Suite 2520 New Orleans, Louisiana 70130 Fax: 504-566-8309	***BEACH, NORTH DAKOTA*** ***24-Hour Emergency Numbers:*** ***701-872-2122*** 16950 Thelen Road Beach, North Dakota 58621
BATON ROUGE, LOUISIANA ***24-Hour Emergency Numbers:*** ***888-267-4901 (or) 225-673-4200*** 6338 Highway 73 Geismar, Louisiana 70734 Fax: 225-677-9549	***NEW ORLEANS, LOUISIANA*** ***24-Hour Emergency Numbers:*** ***504-279-9934*** 2809 East Judge Perez Drive Meraux, Louisiana 70075 Fax: 504-279-7756
VENICE, LOUISIANA ***24-Hour Emergency Number:*** ***504-534-2744*** 42156 Hwy. 23 South Venice, Louisiana 70091 Fax: 504-534-7042	***SHREVEPORT, LOUISIANA*** ***24-Hour Emergency Number:*** ***318-861-0880*** 9435 St. Vincent Avenue Shreveport, Louisiana 71106
JACKSON, MISSISSIPPI ***24-Hour Emergency Number:*** ***601-372-3232*** 1075 Mendell Davis Drive Jackson, Mississippi 39272 Fax: 601-372-3356	***BILOXI, MISSISSIPPI*** ***24-Hour Emergency Number:*** ***228-396-3866*** 13032 Highway 67 North Biloxi, Mississippi 39532 Fax: 228-396-3836
LITTLE ROCK, ARKANSAS ***24-Hour Emergency Number:*** ***501-945-0092*** 261 Newman Drive N Little Rock, Arkansas 72117 Fax: 501-945-0202	***MEMPHIS, TENNESSEE*** ***24-Hour Emergency Numbers:*** ***866-281-3232 (or) 662-280-3232*** 1855 Veterans Drive Southaven, Mississippi 38671 Fax: 662-280-3011
BIRMINGHAM, ALABAMA ***24-Hour Emergency Number:*** ***205-663-8737*** 228 Regency Park Alabaster, Alabama 35007 Fax: 205-663-4404	***MOBILE, ALABAMA*** ***24-Hour Emergency Number:*** ***251-662-3500*** 3750 Halls Mill Road Mobile, Alabama 36693 Fax: 251-662-3400
LAREDO, TEXAS ***24-Hour Emergency Number:*** ***877-398-9911*** 4401 Highway 359, Suite 1 Laredo, Texas 78046 Fax: 956-722-9914	***HOUSTON, TEXAS*** ***24-Hour Emergency Number:*** ***281-867-4100*** 950 Seaco Ave. Deer Park, Texas 77536 Fax: 281-867-4101

RESPONSE EQUIPMENT (Meraux, Louisiana and Service Locations)

Containment Boom, Meraux, Louisiana

Qty (ft.)	Model	Size	Description
6000	River	18"	Quick Connect, 100 ft. sections, 22 oz. Fabric
1000	Miniboom	10"	Quick Connect, 50 ft. sections, 22 oz. Fabric

*Vacuum Trucks & Skimmers (*Effective Daily Recovery Capacity, Derated to 20% Efficiency per NVIC 7-92), Meraux, Louisiana*

Qty.	Type	EDRC* (Barrels)	Description
1	Goo Gobbler	770	30" Aluminum Cylinder Skimmer
1	Goo Gobbler	616	24" Aluminum Cylinder Skimmer
1	Pelican	240	24" Aluminum Weir Skimmer
5	Vacuum Truck	500	70-Barrel Capacity

Temporary Storage Capacity, Meraux, Louisiana (Minimum in Inventory)

Qty.	Type	Capacity	Description
3	Salvage Drums	85 Gal.	Steel
3	Overpack Drums	95 Gal.	Poly
3	Open Top Drums	55 Gal.	Steel
3	Open Top Drums	55 Gal.	Poly

Vessels and Motors, Meraux, Louisiana

Qty.	Type	Size, ft.	HP	MPH	Range, Mi.	Lbs.	Crew Size
1	Fast Response Vessel	28	2-150	35	175	2,000	4
2	Fast Response Vessel	26	2-150	35	175	2,000	4
1	Fast Response Vessel	24	2-115	35	150	1,750	4
1	Fast Response Vessel	18	90	30	150	1,500	4
12	Jon Boats	16	25	25	30	1,000	2

Transportation Equipment, Meraux, Louisiana

Qty.	Description	Qty.	Description
20	Pick-up Trucks	2	28' Boom Trailer
2	20' Oil Spill Response Trailer	4	All Terrain Vehicles with Trailers
2	12' Oil Spill Response Trailer	1	38' Gooseneck Trailer

Supplies, Consumable, Meraux, Louisiana (Minimum in Inventory)

Qty.	Description	Qty.	Description
100	Boxes, Oil Snare	7	100-count Absorbent Pads
250	8" Absorbent Boom	100	Oil Snare Rope
250	5" Absorbent Boom	1	5 Gal. pail of Micro Blaze
2	Buckets of Absorbent	4	Bundle of Pads Chemical
2	Small Bags of Vermiculite	2	Bundle of Pads Oil
1	Bucket of Citric Acid		

Personal Protective Equipment, Meraux, Louisiana

Qty.	Description	Qty.	Description
8	Level A Suits	72	Pair, PVC Gloves
248	NexGen Suits	72	Pair, Nitrile Gloves
72	Level B Suit, CPF2	74	Pair, Silver Shield Gloves
72	Level B Suit, CPF3	74	Pair, Silver Shield Booties
50	Pair, Butyl Gloves	74	Latex Booties
14	Boxes, Inner Gloves	12	Pair, Neoprene Gloves
4	Sets of Bunker Gear	12	Pairs, Cotton Gloves
12	Rain Suits	12	Pairs, Leather Work Gloves
4	Size 15 Level A Outer Boots	4	Harness, Full Body

Respiratory Protective Equipment, Meraux, Louisiana

Qty.	Description	Qty.	Description
4	SCBA 60 Minute	5	Boxes of GME P-100 type Cartridges (6ea.) 30 total
4	60 Minute Spare Air Bottles	5	Boxes of Mersorb Cartridges
5	Air Purifying Respirators		

RESPONSE EQUIPMENT (Meraux, Louisiana and Service Locations)

Safety Equipment, Meraux, Louisiana

Qty.	Description	Qty.	Description
6	Combustible Gas Detector/4-Gas Meter	2	Benzene Meter

Pumps and Miscellaneous Supplies, Meraux, Louisiana

Qty.	Description	Qty.	Description
1	2" Poly Chem Air Diaphragm	1	Wheel Barrow Portable Air Compressor
1	1" Poly Chem Air Diaphragm	200	Ft, 2" Acid/Chemical Hose w/Stainless Steel Fittings w/Straine
1	2" Stainless Steel Air Diaphragm	200	Ft, 2" Acid /Chemical Hose with Poly Fittings with Strainers
1	2" Gasoline Trash Pump	100	Ft, 1" Acid/Chemical Hose with Poly Fittings with Strainers
1	2" Aluminum Air Diaphragm	100	Ft, 2" Petroleum Hose with Strainers
1	1" Aluminum Air Diaphragm	100	Ft, 1" Petroleum Hose with Strainers
1	Betts Evacuator Valve	100	Ft, 2" Discharge Hose with Strainers
1	Dewalt 6500 kW Generator	1	2" Double Diaphragm Poly Pump w/Teflon/Viton Elastomers
1	Pressure Washer 2600 psi w/ ext. rod	1	2" Double Diaphragm S.S. Pump w/Teflon/Viton Elastomers
1	Rebuilt Kit for Diaphragm Pumps	1	1" Double Diaphragm Aluminum Pump
8	Cans of Foam (for plugging & patching)	1	Regulator for Diaphragm Pump w/Water Condensate Filter
1	Wooden Plug and Wedge Kit (Cedar Shakes)	1	2" Wash Pump w/Related Fitting/Hose for Suction and Discharge
1	Plug Compound	100	Ft, 1" Hose w/Aluminum Fittings
2	A & E Patch Kit	100	Ft, 1 1/2" Rag Hose with Strainers
1	Trident Quick Frame Magnetic Patch		

Comprehensive supply of stainless steel and polyethylene fittings, valves, nipples, bushings, reducers and couplings.

Communications, Meraux, Louisiana

Qty.	Description	Qty.	Description
27	VHF Hand Held	30	Cellular Telephones with nationwide coverage
1	Motorola, 851-855 MHz Command Base		

River Front, Dock Barge, Marrero, Louisiana

Qty.	Description
600	Feet, 18" Containment boom

20' x 8' x 3' Twin Engine Deck Boats, Mississippi River, Louisiana

Qty.	Location
1	Marrero, Louisiana, LMR Mile 96
1	Harvey, Louisiana, LMR Mle 95
1	New Orleans, Louisiana, LMR Mile 90

Hazardous Materials Response Trailers, Three units - 16', Chalmette, Algiers and Jefferson, Louisiana

Qty.	Description	Qty.	Description
4	55 Gallon Open Top Drums	3	55 Gallon Closed Top Drums
3	Bales, 5" Absorbent Boom	4	Bales, Absorbent Pads
1	Generator	3	Rolls, 6 Mil Visquene
2	Rolls, 6 Mil Pollution Bags	2	Transfer Pump
2	Cases, Protective Clothing	1	85 Gallon Recovery Drum
6	Gallons, Citra-Solv PCB Cleaner	1	Weed eater/Fuel Can
20	Boxes, Clor-N-Oil Test Kits	15	"Patch and Plug" Kits

Response Equipment Storage Boxes, Mississippi River, Algiers, Louisiana

Qty.	Description	Qty.	Description
300	Feet, 18" Containment boom	25	Gallons, Sea Wash Cleaner
5	55 Gallon Open Top Drums	25	Gallons, VC Degreaser
15	Bales, 8" Absorbent Boom	2	2.5 Gallon Chemical Sprayer
9	100' Absorbent Sweep		PPE - Coveralls, gloves
25	Bales, 100 Sorbent Pads	1	Roll, Sorbent Matting

RESPONSE EQUIPMENT (Meraux, Louisiana and Service Locations)

Response Equipment Storage Boxes, two (2) units - Harvey and Belle Chasse, Louisiana

Qty.	Description	Qty.	Description
5	55 Gallon Open Top Drums	25	Gallons, Sea Wash Cleaner
15	Bales, 8" Absorbent Boom	25	Gallons, VC Degreaser
9	100' Absorbent Sweep	2	2.5 Gallon Chemical Sprayer
25	Bales, 100 Sorbent Pads		PPE - Coveralls, gloves
300	Feet, 18" Containment Boom (Client owned)		

20 Ft. Emergency Response Equipment Trailer, Hahnville, Louisiana

Qty.	Description	Qty.	Description
500	Feet, 18" Containment Boom		PPE - Poly-Coated Tyvek Suits
15	Bales, 5" Absorbent Boom	4	Doz. PVC Gloves
30	Bales, 100 Sorbent Pads	4	95-Gallon Poly. Overpack Spill Kits

20 Ft. Emergency Response Equipment Boxes, Two (2), Amelia, Louisiana

Qty.	Description	Qty.	Description
500	Feet, 18" Containment Boom		PPE - Poly-Coated and White Tyvek, gloves
6	55 Gallon Open Top Drums	25	Bales, 100 Sorbent Pads
15	Bales, 8" Absorbent Boom		Rolls of Pollution Bags, 20-Gallon Pollution Cans

Emergency Response Equipment, Conex Box, 20' x 8' x 8', Fourchon, Louisiana

Qty.	Description	Qty.	Description
25	40' Bags of 8" Sorbent Boom		PPE - Poly-Coated Tyvek and White Tyvek
25	40' Bags of 5" Sorbent Boom	25	Bundles of Sorbent Pads
25	Bundles of Sorbent Pads	20	Rolls of Sorbent Rolls

20 Ft. Emergency Response Equipment Trailer, Lafitte, Louisiana

Qty.	Description	Qty.	Description
1,000	Feet, 18" Containment Boom	21	Bales, Sorbent Pads
2	Jon Boats, 18' with 25 HP engine	1	Gas Centrifugal Pump with Washing Setup
10	Bales, 8" Sorbent Boom		PPE - Coveralls, gloves

RESPONSE EQUIPMENT (Geismar, Louisiana and Service Locations)

Containment Boom, Geismar, Louisiana

Qty. (ft.)	Model	Size	Description
1,000	River	18"	Quick Connect,100 ft. sections, 22 oz. Fabric

*Vacuum Trucks & Skimmers (*Effective Daily Recovery Capacity, Derated to 20% Efficiency per NVIC 7-92), Geismar ,Louisiana*

Qty.	Type	EDRC* (Barrels)	Description
1	Pelican	240	24" Aluminum Weir Skimmer
1	Vacuum Truck	500	80-Barrel Capacity

Temporary Storage Capacity, Geismar ,Louisiana (Minimum in Inventory)

Qty.	Type	Capacity	Description
10	Overpack Drums	95 Gal.	Polyethylene
10	Overpack Drums	85 Gal.	Steel
25	Open Top Drums	55 Gal.	

Vessels and Motors, Geismar, Louisiana

Qty.	Type	Size, ft.	HP	MPH	Range, Mi.	Lbs.	Crew Size
3	Jon Boats	16	25	25	30	1,000	2

Transportation Equipment, Geismar, Louisiana

Qty.	Description	Qty.	Description
6	Stake Trucks	1	32' HazMat Response Trailer/Chemical Transfer Unit
18	Pick-up Trucks	1	20' Equipment Trailer for Hydrocarbon Spills
2	4-WD ATVs with trailer	1	24' Remediation/Construction Trailer
1	20' Boom Trailer	1	12' Remediation/Construction Trailer
1	32' Industrial Division Trailer	1	20' Industrial Division Trailer

Supplies, Consumable, Geismar, Louisiana (Minimum in Inventory)

Qty.	Description	Qty.	Description
25	Bales, Absorbent Boom	40	Bags, Absorbent Particulate
50	Bales, Absorbent Pads	15	Boxes, Oil Snare

Personal Protective Equipment, Geismar, Louisiana

Qty.	Description	Qty.	Description
6	Level A Suits	36	Pair, PVC Gloves
40	NexGen Suits	48	Pair, Nitrile Gloves
24	Level B Suit, CPF2	12	Pair, Silver Shield Gloves
32	Level B Suit, CPF3	12	Pair, Silver Shield Booties
40	Poly-Coated Tyvek Suits	20	Latex Booties
6	Bunker Gear (used for fire fighting)	500	Pair, Inner Gloves

Respiratory Protective Equipment, Geismar, Louisiana

Qty.	Description
8	MSA Self-Contained Breathing Apparatus
8	MSA 60-Minute Spare Bottles
20	MSA Ultra Twin Respirators, Full Face

Safety Equipment, Geismar, Louisiana

Qty.	Description	Qty.	Description
1	4 Gas Passport with Chlorine Sensor	1	LEL/O_2/H_2S Meter
2	Draeger Pump	2	Rae Entryrae
2	Multi Rae Plus 4-Gas with PID	1	MSA Passport
1	ITX Multi Gas with Chlorine	1	Industrial Scientific
1	Jerome Meter	1	HazCat Kit
3	MSA Orion 4 Gas		

RESPONSE EQUIPMENT (Geismar, Louisiana and Service Locations)

Pumps and Miscellaneous Equipment, Geismar, Louisiana

Qty.	Description	Qty.	Description
1	3" Poly Chem Air Diaphragm	150	Feet, 3" Acid/Chemical Hose with Stainless Steel Fittings with Strainers
2	2" Poly Chem Air Diaphragm	150	Feet, 2" Acid/Chemical Hose with Stainless Steel Fittings with Strainers
2	1" Poly Chem Air Diaphragm	150	Feet, 1" Acid/Chemical Hose with Stainless Steel Fittings with Strainers
4	3" Stainless Steel Air Diaphragm	150	Feet, 2" Acid/Chemical Hose with Poly Fittings with Strainers
2	2" Stainless Steel Air Diaphragm	150	Feet, 1" Acid/Chemical Hose with Poly Fittings with Strainers
4	2" Gasoline Trash Pump	150	Feet, 2" Petroleum Hose with Strainers
1	3" Diesel Pump	100	Feet, 1" Petroleum Hose with Strainers
1	2" Aluminum Air Diaphragm	100	Feet, 2" Discharge Hose with Strainers
2	1" Aluminum Air Diaphragm	100	Feet, 1 1/2" Rag Hose with Strainers
1	Lutz Chemical Pump	1	Midland Capping Kit
2	Betts Evacuator Valve	1	Chlorine "C" Kit
1	O Ring Kit	1	Haz-Hammock
1	Iso Container Conversion Kit	1	A & E Patch Kit
1	6500 kW Generator	1	Trident Quick Frame Magnetic Patch
1	4000-watt Light Tower	1	Wheel Barrow Portable Air Compressor
1	5000-lb. Fork Lift and Pallet Jack	1	185 CFM Air Compressor
1	Drill Kit for Drilling Tankers	3	Lid Lock Dome Clamps
2	Nitrogen Cylinders with Nitrogen Purge Kit	50	Feet, 3/16 Stainless Steel Pressure hose With Related Fittings
200	Feet, No. 2 Ground wire with clamps	1	Chain Saw
4	Copper Coated Grounding Rods	1	Mercury Vacuum

Comprehensive supply of stainless steel and polyethylene fittings, valves, nipples, brushings, reducers, and couplings.

Communications, Geismar, Louisiana

Qty.	Type	Frequency	Range, Mi.	Description
8	Motorola Hand-Held	851-866 MHz	20-30	Intrinsically Safe
25	Cellular Telephones		Nationwide	Hand Held
3	GPS Units			Hand Held
5	Digital Cameras			
3	Lazer Heat Guns			

Heavy Equipment, Geismar, Louisiana

Qty.	Description
3	Bobcat Skid Steer
2	Volvo Excavator
1	Mini Excavator
5	Bobcat MT 52 Dingo
1	4-Wheel Drive John Deere Extended Hoe with Front-Loader

Industrial Equipment, Geismar, Louisiana

Qty.	Description	Qty.	Description
2	10,000/20,000 psi Hydro Blaster	2	4,000 psi Hot/Cold Water Pressure Washer
1	3D Nozzel with Attachments		

Remediation/Construction Equipment, Geismar, Louisiana

Qty.	Description	Qty.	Description
1	20" Toolbox (Miscellaneous Hand Tools)	1	Threading Oiler
1	4-Point Cable Harness	1	Rigid Pipe Vise
1	2" Pneumatic Diaphragm Pump with hoses	5	Miscellaneous Pipe Wrenches (up to 48")
1	3,000 psi Pressure Washer	1	Dewalt 18V Cordless Drill, Circular Saw, Reciprocating Saw, and Work Light
4	15-Ton Shackle	1	Tap and Die Set
1	15-Ton Swivel	1	True RMS Digital Multimeter with miscellaneous electrical tools
1	Venturi Blower	1	5KW Dewalt Generator
4	10-Ton Shackle	3	3" x 20' Nylon Slings
2	10-Ton Hooks		

Comprehensive supply of hand tools, sorbent materials, placards, PPE, and other miscellaneous supplies.

RESPONSE EQUIPMENT (Venice, Louisiana and Service Locations)

Containment Boom, Venice, Louisiana

Qty. (ft.)	Model	Size	Description
10,000	River	18"	Quick Connect, 100 ft. sections, 22 oz. Fabric

*Vacuum Trucks & Skimmers (*Effective Daily Recovery Capacity, Derated to 20% Efficiency per NVIC 7-92), Venice, Louisiana*

Qty.	Type	EDRC* (Barrels)	Description
1	Goo Gobbler	240	24" Aluminum Cylinder Skimmer
1	Drum Skimmer Gobbler	480	Mounted on 9' x 17' Platform, 5L Diesel Pump, 1600 GPH, 500 gal. Storage Capacity
1	Crucial	240	24" Aluminum Weir Skimmer

Temporary Storage Capacity, Venice, Louisiana (Minimum in Inventory)

Qty.	Type	Capacity	Description
20	Open Top Drum	55 Gal.	

Vessels and Motors, Venice, Louisiana

Qty.	Type	Size, ft.	HP	MPH	Range, Mi.	Lbs.	Crew Size
1	Fast Response Vessel	30	2 - 200	35	150	2,500	4
2	Fast Response Vessel	26	2-115	35	150	2,000	4
8	Jon Boats	16	25	25	30	1,000	2

Transportation Equipment, Venice, Louisiana

Qty.	Description	Qty.	Description
1	Pick-up Trucks	1	20' Boom Trailer
1	20' Emergency Response Trailer	1	53' Van (Boom) Trailer

Supplies, Consumable, Venice, Louisiana (Minimum in Inventory)

Qty.	Description	Qty.	Description
350	Bales, Sorbent Pads	250	Bales, 5" Sorbent Boom
250	Bales, 8" Sorbent Boom	25	Bags, Floor Dry

Safety Equipment, Venice, Louisiana

Qty.	Description	Qty.	Description
1	Combustible Gas Detector/4-Gas Meter		

Pumps and Miscellaneous Supplies, Venice, Louisiana

Qty.	Description	Qty.	Description
2	2" Diesel Pump	6	2" Gas Pump
4	Wheel Barrow Portable Air Compressor	2	Scare Gun with Propane Bottle

Communications, Venice, Louisiana

Qty.	Type	Frequency	Range, Mi.	Description
3	Cellular Telephone		Nationwide	Hand Held

RESPONSE EQUIPMENT (Shreveport, Louisiana and Service Locations)

Containment Boom, Shreveport, Louisiana

Qty. (ft.)	Model	Size	Description
2,000	River	18"	Quick Connect, 100 ft. sections, 22 oz. Fabric
500	Miniboom (Creek)	6"	Quick Connect, 50 ft. sections, 22 oz. Fabric

*Vacuum Trucks & Skimmers (*Effective Daily Recovery Capacity, Derated to 20% Efficiency per NVIC 7-92), Shreveport, LA*

Qty.	Type	EDRC* (Barrels)	Description
1	Vacuum Truck	500	80-Barrel Capacity, Stainless Steel
1	King Vac	500	80-Barrel Capacity, Carbon Steel
1	Crucial	240	36" Drum Skimmer

Temporary Storage Capacity, Shreveport, Louisiana (Minimum in Inventory)

Qty.	Type	Capacity	Description
5	Overpack Drums	95 Gal.	Polyethylene
10	Overpack Drums	85 Gal.	Steel
50	Open Top Drums	55 Gal.	Steel
30	Open Top Drums	55 Gal.	Polyethylene
40	Closed Top Drums	55 Gal.	Steel
30	Closed Top Drums	55 Gal.	Polyethylene

Vessels and Motors, Shreveport, Louisiana

Qty.	Type	Size, ft.	HP	MPH	Range, Mi.	Lbs.	Crew Size
1	Fast Response Vessel	24'	150	35	175	1,750	4
1	Work Boat	16'	25	25	30	1,000	2

Transportation Equipment, Shreveport, Louisiana

Qty.	Description	Qty.	Description
3	Pick-up Trucks	1	20' Equipment Trailer
1	Trailer/Chemical Transfer Unit with	1	24' Oil Spill Response Trailer
1	24' Enclosed Response Trailer		

Supplies, Consumable, Shreveport, Louisiana (Minimum in Inventory)

Qty.	Description	Qty.	Description
192	Oil Pads	40	5" Oil Sorbent Boom 40"
20	Snare on Rope 50' section	10	Bags, Vermiculite
60	Bags, Oil-Gator	20	Bags, Hydrated Lime
42	Bales, Chemical Pads	40	Bags, FloorDri
100	Micro-Blaze Gallons		

Personal Protective Equipment, Shreveport, Louisiana

Qty.	Description	Qty.	Description
4	Level A Suits, DuPont Tychem	72	Pair, Nitrile Gloves
4	Fully-Encap. Level B suits, CPF 3 & 4	72	Pair, Neoprene Gloves
96	Level B Suits, CPF 3	20	Pair, SilverShield Gloves
84	Level B Suits, CPF 2	20	Pair, SilverShield Boot Covers
136	NexGen Suits	6	Pair, Rubber Boot Covers
99	NexGen Suits PVC Coated	1300	Pair, Nitrile Inner Gloves
4	Thermopro, Flash and Chemical protection		

Respiratory Protective Equipment, Shreveport, Louisiana

Qty.	Description
4	MSA Self-Contained Breathing Apparatus (SCBA), 60 minutes, including 12 NFPA-Compliant SCBAs
2	Hip-Mounted Breathing Air Units
6	Air-Purifying Respirators

RESPONSE EQUIPMENT (Shreveport, Louisiana and Service Locations)

Safety Equipment, Shreveport, Louisiana

Qty.	Description	Qty.	Description
2	Photoionization Detector (PID)	1	Colormetric Tube Pumps with tubes

Pumps and Miscellaneous Equipment, Shreveport, Louisiana

Qty.	Description	Qty.	Description
1	Stainless Steel Betts Valve	2	2" Stainless Steel Air Diaphragm Pump, Viton Elastomers
1	Nitrogen Purge System for Chemical Transfers	1	2" Stainless Steel Air Diaphragm Pump, Teflon Elastomers
100	Feet, 2" Teflon Chemical Transfer Hose	1	1" Polypropylene Air Diaphragm Pump, Viton Elastomers
1	Coppus Blower	1	2" Polypropylene Air Diaphragm Pump, Viton Elastomers
180	Feet, 2" U.H.M.W.P. Chemical Transfer Hose	4	2" Gas Wash Pump
80	Feet, 1" U.H.M.W.P. Chemical Transfer Hose	1	2" Sightglass
1	Magnetic Patch	1	Pressure Washer-Hot Water, trailer-mounted, self-contained
1	Midland Kit	1	Haz-Hammock
2	6,600-Watt Generator	1	185 CFM Air Compress 185 CFM Air Compressor
Comprehensive supply of stainless steel and polyethylene fittings, valves, nipples, bushings, reducers and couplings.			

Communications, Shreveport, Louisiana

Qty.	Type	Frequency	Range, Mi.	Description
4	Motorola Hand-Held			Intrinsically Safe
3	Cellular Telephone		Nationwide	Hand Held
3	GPS Units			Hand Held
1	Lazar Temperature Guns			
3	Digital Cameras			

RESPONSE EQUIPMENT (Jackson, Mississippi and Service Locations)

Containment Boom Jackson, Mississippi

Qty. (ft.)	Model	Size	Description
2,000	River	18"	Quick Connect, 100 ft. sections, 22 oz. Fabric
400	Miniboom	10	Quick Connect, 50 ft. sections, 22 oz. Fabric

Vacuum Trucks & Skimmers (*Effective Daily Recovery Capacity, Derated to 20% Efficiency per NVIC 7-92), Jackson, MS

Qty.	Type	EDRC* (Barrels)	Description
1	Vacuum Truck	500	70-Barrel Capacity, Stainless Steel
1	King-Vac	500	70-Barrel Capacity
1	Guzzler	500	60-Barrel Capacity
1	Goo Gobbler	616	24" Aluminum Cylinder Skimmer with Hydraulic Pack
1	Goo Gobbler	616	24" Aluminum Cylinder Skimmer with Pneumatic Pack

Temporary Storage Capacity, Jackson, Mississippi (Minimum in Inventory)

Qty.	Type	Capacity	Description
15	Overpack Drums	95 Gal.	Polyethylene
30	Overpack Drums	85 Gal.	Steel
100	Open Top Drums	55 Gal.	Steel
36	Open Top Drums	55 Gal.	Polyethylene
36	Closed Top Drums	55 Gal.	Steel
18	Closed Top Drums	55 Gal.	Polyethylene
4	Storage Tanks	1,100 Gal.	Polyethylene
1	Skid-Mounted Tank	5,000 Gal.	Steel
1	Tote-Container	250 Ga.	Polyethylene

Vessels and Motors, Jackson, Mississippi

Qty.	Type	Size, ft.	HP	MPH	Range, Mi.	Lbs.	Crew Size
1	Fast Response Vessel	20	2 - 88	60	150	2,500	6
1	Work Boat	18	90	40	40	1,250	4
1	Work Boat	16	25	25	30	1,000	2
1	Work Boat	14	15	25	30	350	2
3	Work Boat	12				150	2

Transportation Equipment, Jackson, Mississippi

Qty.	Description	Qty.	Description
18	Pick-up Trucks	1	36' HazMat Response Trailer/Chemical Transfer Unit with
1	6,000-Gallon Stainless Steel Tanker	1	53' Command/Communications Trailer
2	20' Equipment Trailer	1	53' Bunkhouse Trailer
1	16' Equipment Trailer with sides	1	32' Mobile Command Post with Field Laboratory
1	16' Oil Spill Response Trailer	1	Traffic Control Trailer with Traffic Control Equipment
1	25' Equipment Trailer with hydraulic crane	1	PPE Trailer
3	25' Gooseneck Equipment Trailer	2	25' Equipment Trailer
1	36' Response Trailer	1	18' Equipment Trailer
2	4-WD ATVs	1	8' Equipment Trailer
4	Over the Road Trucks with Roll Off Frames		

Supplies, Consumable, Jackson, Mississippi (Minimum in Inventory

Qty.	Description	Qty.	Description
50	Bales, Sorbent Pads	10	Bags, Vermiculite
25	Bags, 8" Sorbent Boom, 40'	50	Bales, Fiberperl / Cell-u-Sorb
30	Bags, Citric Acid	25	Bags, Hydrated Lime
150	Bags, Oil-Gator	25	Bags, FloorDri
25	Bales, Chemical Pads	10	Micro-Blaze
25	Bags, Ferrous Sulfate		

Personal Protective Equipment, Jackson, Mississippi

Qty.	Description	Qty.	Description
12	Level A Suits, DuPont Tychem	200	Pair, Nitrile Gloves
1	Level A Suit Tester	200	Pair, Neoprene Gloves
20	Fully-Encap. Level B suits, CPF 3 & 4	50	Pair, SilverShield Gloves
100	Level B Suits, CPF 3	50	Pair, SilverShield Boot Covers
150	Level B Suits, CPF 2	50	Pair, Rubber Boot Covers
250	NexGen Suits	1,000	Pair, Nitrile Inner Gloves

RESPONSE EQUIPMENT (Jackson, Mississippi and Service Locations)

Breathing Air Trailer, Jackson, Mississippi

Qty.	Description
12	High Pressure (6,000 psi) Grade-D Breathing Air Cylinders

Respiratory Protective Equipment, Jackson, Mississippi

Qty.	Description
1	Breathing Air Trailer (Grade D) consisting of 12 6,000 PSI Cylinders
9	MSA Self-Contained Breathing Apparatus (SCBA), 60 minutes, including 12 NFPA-Compliant SCBAs
7	Hip-Mounted Breathing Air Units
30	Air-Purifying Respirators

Safety Equipment, Jackson, Mississippi

Qty.	Description	Qty.	Description
1	Blast Shield with Remotely-Operated Drill Press	400	Chemical-Specific Colorimetric Detector Tubes
2	HazCat Kit	1	Hydrogen Cyanide Detector
1	Portable Weather Station	1	Ammonia Detector
1	Random Aerosol Monitor (RAM)	1	Vented Exhaust Hood, Portable
3	Photoionization Detector (PID)	12	Mustang Flotation Jackets
1	Flame Ionization Detector (FID)	8	Mustang Survival/Flotation Suits
1	Lumex Portable Mercury Vapor Analyzer	1	Passport
4	Colormetric Tube Pumps	2	MSA Watchman
2	Entry Rae 4-Gas Meter	3	Radiological Survey Meter (NORM)
1	Guardian Biological Agent Detector		

Pumps, Transfer and Miscellaneous Equipment, Jackson, Mississippi

Qty.	Description	Qty.	Description
1	Stainless Steel Betts Valve	1	3" Stainless Steel Vane Pump
1	Vac-U-Max Stainless Steel Drum Pump	1	LPG / Anhydrous Ammonia Pump
1	Corken Compressor (Chlorine)	1	4,300-Watt Generator
1	Nitrogen Purge System for Chemical Transfers	2	2" Stainless Steel Air Diaphragm Pump, Viton Elastomers
1	3" Flare Stack	1	2" Stainless Steel Air Diaphragm Pump, Teflon Elastomers
320	Feet, 2" Stainless Steel LPG / Anhydrous	3	1" Polypropylene Air Diaphragm Pump, Viton Elastomers
	Ammonia Transfer Hose	2	2" Polypropylene Air Diaphragm Pump, Viton Elastomers
140	Feet, 2" Resistoflex Chemical Hose	4	2" Gas Wash Pump
220	Feet, 2" Teflon Chemical Transfer Hose	4	1" Wash Pump
3	Coppus Blower	3	1 1/2"High Pressure Washer Pump
150	Feet, 2" U.H.M.W.P. Chemical Transfer Hose	2	3" Gas Trash Pump
150	Feet, 1" U.H.M.W.P. Chemical Transfer Hose	4	2" Aluminum Air Diaphragm Pump
100	Feet, 2" Chemical Transfer Hose with Poly Fittings	1	60 kw Generator
200	Feet, 1" Monel Chlorine Transfer Hose	1	Carbon Filter Unit 2000lb. Capacity
300	Feet, Hydraulic Hose	2	Biological Fogging Units
1	Magnetic Patch	1	21.7 hp Hydraulic Power Pack
1	Chlorine "C" Kit	6	2" 1000 P.S.I. Stainless Steel Shutdown Valves
1	6,600-Watt Generator	1	Remote Emergency Shutdown System (3 shutdown locations)
30	3¼ " Acme Brass Adapters	2	2" Sightglass, backflow valves
1	185 CFM Air Compressor	1	High-Pressure Steam Cleaner
1	Butterworth	1	Portable Light Tower 4000-Watt
1	Explosion-Proof Lighting	1	2" Kynar Versamatic Diaphragm Pump
1	40 KVA Generator	2	7,200-Watt Generators
1	Haz-Hammock	2	Pressure Washer-Hot Water, trailer-mounted, self-contained

Comprehensive supply of stainless steel and polyethylene fittings, valves, nipples, bushings, reducers and couplings

Communications and Electronics, Jackson, Mississippi

Qty.	Type	Frequency	Range, Mi.	Description
12	Motorola Hand-Held	851-866 MHz	5	Intrinsically Safe
25	Cellular Telephone		Nationwide	Hand Held
10	GPS Units			Hand Held
2	Lazar Temperature Guns			
10	Digital Cameras			

RESPONSE EQUIPMENT (Jackson, Mississippi and Service Locations)

Mercury Spill Equipment and Supplies, Jackson, Mississipp

Qty.	Description	Qty.	Description
2	Mercury Vacuum	25	Pounds, Mercury Granular Absorbent
15	Gallons, Mercon Solution	10	Mercury Indicator Powder

Heavy Equipment, Jackson, Mississippi

Qty.	Description
2	4-Wheel Drive Cat Rubber-Tire Backhoe with Extend-a-hoe Attachment
1	Catepillar 320 Track hoe
1	Catepillar D5M Bull Dozer
1	Catepillar Skid Steer (bob cat)
1	Mini Excavator
1	Sheep's foot compactor (60" drum)
1	18 Yard tandem dump truck
1	End-Dump Trailer
1	2,000 gallon water truck
1	Tractor trailer with lo-boy

Firefighting Equipment and Supplies, Jackson, Mississippi

Qty.	Description	Qty.	Description
1	Akron 536 Cellar Nozzle	1	Firefighting Trailer with foam capability and 2,500 GPM pump
1	Akron 911 Oscillating Monitor with Nozzle	1	Firefighting Trailer with foam capability and 1,100 GPM pump
1	Akron 3443 Quick-Attack Monitor	1	Firefighting Support Trailer
1	Portable Monitor	18	NFPA-Compliant Firefighting Turnout/Bunker Gear
500	Feet, 3" LDH (Supply Line) Fire Hose	10	DuPont Tychem® CPF Thermo Pro (chemical and fire-resistant, level
500	Feet, 5" LDH (Supply Line) Fire Hose		B suits)
200	Gallons, AFFF and High-Expansion Foam	8	NFPA-Compliant Self-Contained Breathing Apparatus (SCBA)
115	Gallons, X-TRA High Expansion Foam	8	Spare Bottles of Air
1	K-12 Abrasive Saw	2	350-lb. Wheeled Purple K Fire Extinguishers
1	2,100-Gallon Water Tank, Portable	6	20-lb. Cartridge Purple K Fire Extinguishers
120	Feet, 6" Suction Hose with Camlock Fittings	4	30-lb. Metal X Fire Extinguishers
1	1/2" 95 GPM in-line Foam Eductor	1	Tempest PPV Fan, Gasoline
2	2 1/2" in-line Foam Eductor	1	500 GPM Self Educting Foam Master Stream Nozzle
2	750 Cu/min 25 GPM Hi-Ex Foam Nozzle w/Eductor	1	1000 GPM Self Educting Foam Master Stream Nozzle
1	Smoke Ejector	4	1 1/2" Turbojet Nozzle w/ Pistol Grip
2	2 1/2" X (2) 1 1/2" Gated Wye	1	Elkart Chief Nozzle
1	(2)2 1/2" x 5" Storz Outlet Siamese Clappered	3	Turbojet Fog Nozzle
1	Water Thief w/(2) 1 1/2" x (1) 2 1/2"	1	6" Nercyrt Nozzle
1	LDH Manifold 5" Storz x (4) 2 1/2"	1	3" Piercing Nozzle
1	LDH Manifold 5" Storz x (3) 2 1/2"	1	Stacked Tips Set for Monitor
2	2 1/2" NH Gated Valve	1	250 GPM Medium Expansion 2 1/2" Nozzle
1	2 1/2" Double Female Adapter	6	6" x 20" Suction Hose w/ Camlock Fittings
1	2 1/2" Double Male Adapter	1	6" Basket Strainer
4	6" Female nh x 5" Storz Adapter	1	6" Floating Strainer
1	5" Female nh x 5" Storz Adaptor	1	2100 Gal. Portable/Folding Water Tank
3	4 1/2" Female nh x 5" Storz Adapter	1	Gasoline PPV Fan
2	2 1/2 nhf x 5" Storz Adapter	1	Stokes Stretcher w/Floatation Kit
1	Herbert LDH Hose Clamp	1	Long Hand Board (Plastic)
1	Eyewash Station	1	Sled
1	First Aid Kit	1	Confined Space Rescue Kit
1	Fire Boss, twin agent (AFFF Foam and PKP Extinguishing Agents)		
1	Darley Hercules Portable Fire Pump, rated at 575 GPM		
6	Radios		

Comprehensive supply of ladders, tools and accessories, including Akron turbojet nozzles, flathead axes, pike poles, etc.

RESPONSE EQUIPMENT (Jackson, Mississippi and Service Locations)

Traffic Control Equipment, Jackson, Mississippi

Qty.	Description	Qty.	Description
1	Solar Powered Arrow Board	4	Roadwork Ahead Signs
1	Truck with flashing lights	4	Right/Left Lane Closed One Mile Signs
1	24' Foot Equipment Trailer	4	Right/Left Lane Closed One-Half Mile Signs
2	Stop and Slow Flagger Paddles with 6' Staff	2	Right/Left Lane Closed 1500 Feet Signs
10	Personnel Clip On Flashing Lights	4	Lane Diversion/ Lane Ends Signs
4	Flaggers Flags	2	Reduced Speed Ahead Signs
8	Blinking Lights	2	Speed Limit 60 Signs
12	Flagman's Reflective Vests	2	One Lane Road Ahead Signs
50	Traffic Control Cones	2	Be Prepared to Stop Signs
70	Tires (to keep barrels in place)	2	Flagman Ahead Signs
180	Feet, Traffic Control Interlocking Barricades	2	Shoulder Work Signs
10	Tripod Sign Stands	2	End Road Work Signs
20	H Style Sign Stands	1	Speeding Fines Doubled When Workers Are Present Sign
4	Lighted Hand Wands	4	Blank MPH Signs
60	Traffic Control Barrels	1	Road Closed Authorized Personnel Only Sign
2	Exit Signs	1	Right Shoulder Closed w/Next xx Miles Plaque
2	Yield Signs	1	Right Shoulder Closed w/xx Feet Plaque
2	Road Work One Mile Signs	1	Left Shoulder Closed w/Next xx Miles Plaque
		1	Left Shoulder Closed w/xx Feet Plaque

RESPONSE EQUIPMENT (Memphis, Tennessee and Service Locations)

Containment Boom, Memphis, Tennessee

Qty. (ft.)	Model	Size	Description
3,000	River	18"	Quick Connect, 100 ft. sections, 22 oz. Fabric
500	Large Creek	15"	Quick Connect, 100 ft. sections, 22 oz. Fabric
300	Large Creek	12"	Quick Connect, 50 ft. sections, 22 oz. Fabric
850	Miniboom (Creek)	6"	Quick Connect, 50 ft. sections, 22 oz. Fabric

*Vacuum Trucks & Skimmers (*Effective Daily Recovery Capacity, Derated to 20% Efficiency per NVIC 7-92), Memphis, Tenn*

Qty.	Type	EDRC* (Barrels)	Description
1	Vacuum Truck	500	80-Barrel Capacity, Stainless Steel
1	Vacuum Truck	500	80-Barrel Capacity, Carbon Steel
2	Crucial	240	36" Drum Skimmer

Temporary Storage Capacity, Memphis, Tennessee (Minimum in Inventory)

Qty.	Type	Capacity	Description
8	Overpack Drums	95 Gal.	Polyethylene
8	Overpack Drums	85 Gal.	Steel
25	Open Top Drums	55 Gal.	Polyethylene
30	Open Top Drums	55 Gal.	Steel
2	Portable Tank	1,000 Gal.	Polyethylene

Vessels and Motors, Memphis, Tennessee

Qty.	Type	Size, ft.	HP	MPH	Range, Mi.	Lbs.	Crew Size
1	Work Boat	24	2 - 115	50	70 to 80	1,000	4
2	Work Boat	16	25	20	30 to 40	800	2
5	Work Boat	14	9.9	20	30 to 40	800	2
3	Work Boat	12	9.9	20	30 to 40	800	2
1	Work Boat	28	2-200	50	70 to 80	1,000	4
1	Marco Skimmer	28	2-115	30	70 to 80	1,000	4

Transportation Equipment, Memphis, Tennessee

Qty.	Description	Qty.	Description
7	Pick-up Trucks	1	25' Equipment Trailer with hydraulic crane
1	20' Equipment Trailer (Enclosed)	1	20' Oil Spill Response Trailer
1	16' Landscape Trailer with sides	1	16' Oil Spill Response Trailer
1	20' Equipment Trailer with sides	1	16' Enclosed PPE Trailer
1	18' Equipment Trailer w/ Bumper Pull (10,000 lbs.)		
1	36' HazMat Response Trailer/Chemical Transfer Unit with Command Center		

Supplies, Consumable, Memphis, Tennessee (Minimum in Inventory)

Qty.	Description	Qty.	Description
120	Bales, Sorbent Pads	12	Bags, Vermiculite
180	Bales, Chemical Pads	180	Bales, Oil Pads
60	Bales, 5" Sorbent Boom	8	Bags, Cell-U-Sorb
25	Bags, Citric Acid	25	Bags, Sodium Bicarbonate
180	Bags, Oil-Gator	75	Pails, 5-Gallon, Micro Blaze
25	Bags, Hydrated Lime	56	Bags, Soda Ash

RESPONSE EQUIPMENT (Memphis, Tennessee and Service Locations)

Personal Protective Equipment, Memphis, Tennessee

Qty.	Description	Qty.	Description
6	Fully-Encapsulating Level A Suits	144	Pair, Nitrile Gloves
1	Level A Suit Tester	12	Pair, Butyl Gloves
60	Level B Suits, Kappler CPF 3	12	Boxes, Nitrile Inner Gloves
60	Level B Suits, Kappler CPF 2	50	Pair, Latex Boot Covers
125	NexGen (Kappler) Suits	24	Pair, SilverShield Gloves
144	Pair, PVC Gloves	24	Pair, SilverShield Foot Covers
24	Leather Work Gloves	8	Size 15 Level "A" Outer Boots
5	Sets of Bunker Gear	12	Rain Suits
5	USCG Type V Exposure Suits	4	USCG Type III Float Coats
250	Poly Tyvek Suits		

Respiratory Protective Equipment, Memphis, Tennessee

Qty.	Description
1	MSA Self-Contained Breathing Apparatus
2	MSA SCBA Spare Bottles (30-minute)
4	Hip-Mounted Breathing Air Units
4	Scott Self-Contained Breathing Apparatus
4	Scott SCBA Spare Bottles (60-minute)
600	Feet, MSA Hard Line for Breathing Air
10	Boxes, GME P-100 type Cartridges (6 ea.)
6	Boxes, MersorbCartridges
15	Air-Purifying Respirators

Safety Equipment, Memphis, Tennessee

Qty.	Description	Qty.	Description
1	Combustible Gas Detector/4-Gas Meter	1	Colorimetric Tube Draeger Pump
2	MultiRae / 5-Gas PID	1	Ph Meter
1	UltraRae - Benzene Specific	40	H2S Meters
1	EntryRae / 5-Gas PID	1	Radiation Survey Meter
1	Haz Cat Kit	1	Handheld Weather Station
2	Colorimetric Tube MSA Pump & assortment of detector tubes		

Pumps and Miscellaneous Equipment, Memphis, Tennessee

Qty.	Description	Qty.	Description
140	Ft, 2" Teflon (TFPE) Chemical Transfer Hose	2	3" Aluminum Air Diaphragm Pump
120	Ft, 1" Chemflex Chemical Transfer Hose	1	Chlorine C Kit
250	Feet, 2" Petroleum Hose	1	Haz-Hammock
500	Feet, 3" Petroleum Hose	2	Copper Coated Grounding Rods
2	2" Trash Pumps	1	2" Wash Pump
1	3" Trash Pump	2	Lutz Electric Hydrocarbon Pump
8	Manual Hydrocarbon Pumps	2	High Pressure Rail Car Test Kit
2	Pressure washer 2600 psi	1	20k Hydroblaster
1	Magnetic Patch Kit		
1	25 lb. Bottle LPG for Flare		
3	Rebuild Kits		
1	Self-Contained Steam Cleaner, Trailer Mounted		
1	2" Stainless Steel Air Diaphragm Pump, Viton Elastomers		
1	2" Stainless Steel Air Diaphragm Pump, Teflon Elastomers		
2	1" Polypropylene Air Diaphragm Pump, Viton Elastomers		
1	2" Polypropylene Air Diaphragm Pump, Viton Elastomers		

Communications, Memphis, Tennessee

Qty.	Type	Frequency	Range, Mi.	Description
5	Vertex Hand-Held	151-158 MHz	2-5	Intrinsically Safe
4	Marine Hand-Held/Mobile	Marine Band	2-5	Uniden
16	Cellular Telephone		Nationwide	Hand Held

RESPONSE EQUIPMENT (Little Rock, Arkansas and Service Locations)

Containment Boom, Little Rock, Arkansas

Qty. (ft.)	Model	Size	Description
1,000	River	18"	Quick Connect, 100 ft. sections, 22 oz. Fabric
200	Miniboom	6"	Quick Connect, 50 ft. sections, 22 oz. Fabric

*Vacuum Trucks & Skimmers (*Effective Daily Recovery Capacity, Derated to 20% Efficiency per NVIC 7-92), Little Rock, Arkansas*

Qty.	Type	EDRC* (Barrels)	Description
1	Guzzler	500	70-Barrel Capacity
2	Goo Gobbler	500	48" Double-Barrel Skimmer

Temporary Storage Capacity, Little Rock, Arkansas (Minimum in Inventory)

Qty.	Type	Capacity	Description
7	Totes	250 Gallon	Poly
3	Portable Tanks	500 Gallon	Poly
10	Open Top Drums	55 Gallon	Steel
15	Open Top Drums	55 Gallon	Poly
1	Over Pack	95 Gallon	Poly

Vessels and Motors, Little Rock, Arkansas

Qty.	Type	Size, ft.	HP	MPH	Range, Mi.	Lbs.	Crew Size
1	Work Boat	16	25	20	30 to 40	800	2

Transportation Equipment, Little Rock, Arkansas

Qty.	Description	Qty.	Description
11	Pick-up Trucks	2	20' Gooseneck Trailer
1	16' Bumper Utility Trailer	1	16' Oil Spill T
1	24' HazMat Response Trailer	1	Hotsy Trailer Mounted Press Washer

Supplies, Consumable, Little Rock, Arkansas (Minimum in Inventory)

Qty.	Description	Qty.	Description
50	Bales Sorbent Pads	2	Pails Absorbent (floor dry)
20	Bales Chemical Pads	20	Bags Hydrated Line
10	Bales 5" Sorbent Boom	10	Bags Sodium Bicarbonate
10	Bags Citric Acid	10	Bags Sodium Bisulfite
40	Bags Oil-Gator	1	55 Gallon Drum Micro Blaze

Personal Protective Equipment, Little Rock, Arkansas

Qty.	Description	Qty.	Description
4	Level A Suits	24	Pair, Nitrile Gloves
24	Level B Suits, Kappler CPF 3	24	Pair, PVC Gloves
24	Level B Suits, Kappler CPF 2	4	Boxes, Nitrile Inner Gloves
48	NexGen (Kappler) Suits	24	Pair, Latex Boot Covers
24	Pair, SilverShield Gloves	4	Size 15 Level "A" Outer Boots

Respiratory Protective Equipment, Little Rock, Arkansas

Qty.	Description
4	MSA Self-Contained Breathing Apparatus
4	Scott SCBA Spare Bottles (60-minute)
5	Boxes of GME P-100 type Cartridges (6 ea.) 30 total
13	Air-Purifying Respirators

Safety Equipment, Little Rock, Arkansas

Qty.	Description
1	Haz Cat Kit
1	Combustible Gas Detector/4-Gas Meter
6	Portable Eye Wash
14	Fire Extinguishers
1	AED
14	First Aid Kit

RESPONSE EQUIPMENT (Little Rock, Arkansas and Service Locations)

Pumps and Miscellaneous Equipment, Little Rock, Arkansas

Qty.	Description	Qty.	Description
40'	Feet, 1" Chemical Hose w/S.S. Fittings	1	Regulator for Diaphragm Pump w/ Water Condensate Filter
80'	Feet, 2" Chemical Hose w/S.S. Fittings	1	Stainless Steel Fitting Box
100'	1" Hose w/ Aluminum Fittings	1	Haz-Hammock
1	2" Double Diaphragm S.S. Pump	1	2" Double Diaphragm Poly Pump
2	1" Double Diaphragm Poly Pump	1	3" Trash Pump
1	O-Ring Kit	2	Portable Generator 5500
2	Portable Air Compressors	1	A-E Kit
Comprehensive supply of stainless steel and polyethylene fittings, valves, nipples, bushings, reducers and couplings.			

Communications, Little Rock, Arkansas

Qty.	Type	Frequency	Range, Mi.	Description
14	Cellular Telephone		Nationwide	Hand Held

Heavy Equipment, Little Rock, Arkansas

Qty.	Description
1	Komatsu Mini Excavator
1	90 HP Tractor and Bush Hog
1	Catepillar Skid Steer (bob cat)

RESPONSE EQUIPMENT (Mobile, Alabama and Service Locations

Containment Boom, Mobile, Alabama

Qty. (ft.)	Model	Size	Description
800	ACME, Miniboom	10"	Quick Connect, 50 ft. sections, 22 oz. Fabric
5,000	ACME, River	18"	Quick Connect, 100 ft. sections, 22 oz. Fabric

Vacuum Trucks & Skimmers (*Effective Daily Recovery Capacity, Derated to 20% Efficiency per NVIC 7-92), Mobile, Alabama

Qty.	Type	EDRC* (Barrels)	Description
1	Vacuum Truck	500	70-Barrel Capacity, Stainless Steel
1	Tri-axle Roll Off Truck		60,000-Pound Capacity Hoist System with Auto Tarp
1	Goo Gobbler	616	24" Aluminum Cylinder Skimmer with Pneumatic Tank
2	Skim Pack	300	
1	OTR with Roll Off Frame		

Temporary Storage Capacity, Mobile, Alabama (Minimum in Inventory)

Qty.	Type	Capacity	Description
1	Poly Storage Tank	3,000 Gal.	Designed for Chemical Storage
1	Poly Storage Tank	300 Gal.	Designed for Chemical Storage
1	Skid-Mounted Tank	1,000 Gal.	Steel
2	Skid-Mounted Tank	500 Gal.	Steel
125	Open Top Drum	55 Gal.	Steel and Poly
20	Overpack Drum	95 Gal.	Steel
10	Overpack Drum	85 Ga.	Polyethylene

Vessels and Motors, Mobile, Alabama

Qty.	Type	Size, ft.	HP	MPH	Range, Mi.	Lbs.	Crew Size
1	Fast Response Vessel	26	300	50	250	5,500	6
1	Fast Response Vessel	20	115	57	100	1,800	4
1	Response Vessel	18	50	35	30	1,000	3
1	Work Boat	16	25	30	50	1,300	2

Transportation Equipment, Mobile, Alabama

Qty.	Description	Qty.	Description
11	Pick-up Truck	1	Stake Body Truck with Hydraulic Crane
4	4-WD ATV	1	26' Hazardous Materials/Chemical Transfer Trailer
1	12' ATV Trailer	1	21' Emergency Response/Oil Spill Trailer
1	20' Equipment Trailer	1	16' Confined Space/High Angle Rescue Trailer
1	18' Equipment Trailer	1	14' Enclosed Drum Transport Trailer
1	18' Equipment Trailer with sides	1	10,000 psi Hydro Blaster
1	20' Boom Trailers		

Supplies, Consumable, Mobile, Alabama (Minimum in Inventory

Qty.	Description	Qty.	Description
100	Bales, Absorbent Pads	30	Boxes, Absorbent Oil Snare
60	Bales, Absorbent Boom, 5"	20	Bales, Absorbent Chemical Boom, 6"
100	Bags, Oil Gator	20	Bags, Absorbent Vermiculite
30	Bags, Citric Acid	25	Bales, Chemical Pads
20	Micro-Blaze	50	Bags, Cell-U-Sorb
20	Bales, Oil Sweep	20	Bags, Sodium Bicarbonate

Personal Protective Equipment, Mobile, Alabama

Qty.	Description	Qty.	Description
8	Fully-Encapsulating Level A Suits	144	Pair, Nitrile Gloves
30	Level B Suits, Kappler CPF 3	120	Pair, Neoprene Gloves
60	Level B Suits, Kappler CPF 2	500	Pair, Nitrile Inner Gloves
6	Firefighter Bunker Gear	100	Pair, Latex Boot Covers
500	NexGen (Kappler) Suits	30	Pair, SilverShield Gloves
2	USCG Type V Exposure Suits	4	USCG Type III Float Coats

RESPONSE EQUIPMENT (Mobile, Alabama and Service Locations)

Respiratory Protective Equipment, Mobile, Alabama

Qty.	Description
4	High Pressure (6,000 psi) Grade-D Breathing Air Cylinders
10	MSA Self-Contained Breathing Apparatus
6	MSA SCBA Spare Bottles (60-minute)
2	Hip-Mounted Breathing Air Units
4	MSA Breathing Air
300	Feet, MSA Hard Line for Breathing Air
20	Air-Purifying Respirators

Safety Equipment, Mobile, Alabama

Qty.	Description	Qty.	Description
1	Combustible Gas Detector/4-Gas Meter	1	Colorimetric Tube Draeger Pump
1	Combustible Gas Detector/5-Gas PID	1	Colorimetric Tube MSA Pump & assortment of detector tubes
1	Radiation Survey Meter	1	Ammonia Detector
1	Haz-Cat Kit	10	H2S Detector

Pumps and Miscellaneous Equipment, Mobile, Alabama

Qty.	Description	Qty.	Description
1	3" Stainless Steel Air Diaphragm Pump	1	SS Betts Emergency Unloading Valve
1	2" Polypropylene Air Diaphragm Pump	1	1" Simmer Petroleum Pump
3	2" Stainless Steel Air Diaphragm Pump	2	3" Wash Pump
2	1" Stainless Chem Air Diaphragm Pump	6	2" Wash Pump
2	1" Polypropylene Air Diaphragm Pump	1	Nonsparking Tool Kit
100	Feet, 2" Petroleum Transfer Hose, Brass Fittings	1	2D Butterworth
100	Feet, 2" Acid/Chemical Hose, Stainless Fittings	1	2" Sightglass, Backflow Valves
10	Decontamination Pool	1	Chlorine "A" Kit
2	High-Pressure Steam Cleaner	1	Nitrogen Purge System for Chemical Transfers
1	225 Amps, 6,000 Watts Miller Welding Machine	1	185 CFM Air Compressor
1	Recovery Winch and Harness	1	Chlorine "B" Kit
2	Wheel Barrow Portable Air Compressor	1	Chlorine "C" Kit
1	Set, "Lid Loc" Dome Clamps	100	Feet, 2" Acid/Chemical Hose, Polypropylene Fittings
	Explosion Proof Lighting	1	5,000-Watt Generator
Comprehensive supply of stainless steel and polyethylene fittings, valves, nipples, bushings, reducers and couplings.			

Communications, Mobile, Alabama

Qty.	Type	Frequency	Range, Mi.	Description
12	Motorola Hand Held		> 100	MPKA Hand Held
15	Cellular Telephone		Nationwide	Hand Held
2	Satellite Phone/Radio		Unlimited	Portable
8	GPS Units			Hand Held
6	Digital Cameras			

Industrial Equipment, Mobile, Alabama

Qty.	Description	Qty.	Description
1	10,000 psi Hydro Blaster	1	4,000 psi Hot/Cold Water Pressure Washer
2	Bulldog Pumps	2	3,500 Cold Water Pressure Washer
1	2D Butterworth Nozzle with attachments	1	Venturi Blower and Copus Blower

Containment Boom, Biloxi, Mississippi

Qty. (ft.)	Model	Size	Description
2,000	ACME, River	18"	Quick Connect, 100 ft. sections, 22 oz. Fabric

Temporary Storage Capacity, Biloxi, Mississippi (Minimum in Inventory)

Qty.	Type	Capacity	Weight (lbs.)	Description
1	Poly Storage Tank	300 Gal.		Designed for chemical storage
5	Close Top Drums	55 Gal.		Steel
2	Overpack Drum	95 Gal.	50	Steel
1	Overpack Drum	95 Gal.	50	Poly
1	Overpack Drum	30 Gal.		Poly

RESPONSE EQUIPMENT (Mobile, Alabama and Service Locations

Vessels and Motors, Biloxi, Mississippi

Qty.	Type	Size, ft.	HP	MPH	Range, Mi.	Lbs.	Crew Size
1	Work Boat	16	25	25	30	1,000	2

RESPONSE EQUIPMENT (Mobile, Alabama and Service Locations

Transportation Equipment, Biloxi, Mississippi

Qty.	Description	Qty.	Description
3	Pick-up Truck	2	16' Emergency Response Trailer

Supplies, Consumable, Biloxi, Mississippi (Minimum in Inventory)

Qty.	Description	Qty.	Description
36	Bales, Absorbent Pads	30	Boxes, Absorbent Oil Snare
24	Bales, Absorbent Boom, 5"	20	Bales, Absorbent Chemical Boom, 6"
20	Bales, Oil Sweep	50	Bags, Absorbent Particulate

Personal Protective Equipment, Biloxi, Mississippi

Qty.	Description	Qty.	Description
20	Level B Suits, Kappler CPF 2	20	Pair, Neoprene Gloves
30	NexGen (Kappler) Suits	20	Pair, Rubber Boot Covers

Safety Equipment, Biloxi, Mississippi

Qty.	Description	Qty.	Description
1	Combustible Gas Detector/4-Gas Meter	1	HazCat Kit
1	Photoionization Detector (PID)		

Communications, Biloxi, Mississippi

Qty.	Type	Frequency	Range, Mi.	Description
2	Cellular Telephone		Nationwide	Hand Held
3	GPS Units			Hand Held
2	Digital Cameras			

Pumps and Miscellaneous Equipment, Biloxi, Mississippi

Qty.	Description
1	1" Aluminum Air Diaphragm Pump
1	1" Polypropylene Air Diaphragm Pump
1	2" Wash Pump
1	5,000-Watt Generator

RESPONSE EQUIPMENT (Birmingham, Alabama and Service Locations

Containment Boom, Birmingham, Alabama

Qty. (ft.)	Model	Size	Description
2,500	River	18"	Quick Connect, 100 ft. sections, 22 oz. Fabric

Vacuum Trucks & Skimmers (*Effective Daily Recovery Capacity, Derated to 20% Efficiency per NVIC 7-92), Birmingham, Alabama

Qty.	Type	EDRC* (Barrels)	Description
1	Stainless Vacuum Truck	500	80-Barrel Capacity

Temporary Storage Capacity, Birmingham, Alabama (Minimum in Inventory

Qty.	Type	Capacity	Description
5	Overpack Drums	95 Gal.	Polyethylene
10	Open Top Drums	55 Gal.	Polyethylene
20	Open Top Drums	55 Gal.	Steel

Vessels and Motors, Birmingham, Alabama

Qty.	Type	Size, ft.	HP	MPH	Range, Mi.	Lbs.	Crew Size
2	Jon Boat	16	20	20	20	750	4

Transportation Equipment, Birmingham, Alabama

Qty.	Description	Qty.	Description
3	Pick-up Trucks	1	20' Equipment Trailer with sides
1	16' HazMat/Oil Spill Response Trailer	1	36' Hazmat/Oil Spill Response Trailer
1	20' Equipment Trailer		

Supplies, Consumable, Birmingham, Alabama (Minimum in Inventory

Qty.	Description	Qty.	Description
10	Bales, Sorbent Pads	10	Bags, Vermiculite
10	Bales, Chemical Pads	20	Bags, Oil Dry
10	Bales, 5" Sorbent Boom	30	Bags, Cell-U-Sorb
20	Bags, Citric Acid	30	Bags, Sodium Bicarbonate
30	Bags, Lime	20	Bags, Soda Ash
60	Bags, Oil-Gator		

Personal Protective Equipment, Birmingham, Alabama

Qty.	Description	Qty.	Description
4	Fully-Encapsulating Level A Suits	144	Pair, Nitrile Gloves
30	Level B Suits, Kappler CPF 3	120	Pair, Neoprene Gloves
60	Level B Suits, Kappler CPF 2	500	Pair, Nitrile Inner Gloves
60	NexGen (Kappler) Suits	100	Pair, Latex Boot Covers
30	Pair, SilverShield Gloves	2	Size 15 Level A Outer Boots

Respiratory Protective Equipment, Birmingham, Alabama

Qty.	Description
4	MSA Self-Contained Breathing Apparatus
4	MSA SCBA Spare Bottles (60-minute)
2	Hip-Mounted Breathing Air Units
4	MSA Breathing Air
600	Feet, MSA Hard Line for Breathing Air
5	Boxes of Mersorb Cartridges
6	Air-Purifying Respirators

Safety Equipment, Birmingham, Alabama

Qty.	Description	Qty.	Description
1	Combustible Gas Detector/4-Gas Meter	1	Colorimetric Tube Draeger Pump
1	Combustible Gas Detector/5-Gas PID	1	Colorimetric Tube MSA Pump & assortment of detector tubes

RESPONSE EQUIPMENT (Birmingham, Alabama and Service Locations

Pumps and Miscellaneous Equipment, Birmingham, Alabama

Qty.	Description	Qty.	Description
200	Ft, 2" UHMWP Chemical Transfer Hose	1	2" Stainless Steel Air Diaphragm Pump, Viton & Teflon Elastomers
20	Ft, 1" Chemflex Chemical Transfer Hose	2	2" Polypropylene Air Diaphragm Pump, Viton Elastomers
60	Feet, 4" Petroleum Hose	1	1" Aluminum Air Diaphragm Pump, Viton Elastomers
200	Feet, 2" Petroleum Hose	1	2" Polypropylene Air Diaphragm Pump, Teflon Elastomers
1	3" Trash Pumps	2	Rebuild Kits for 2"
2	2" Trash Pump	100	Feet, Chemical Hose with Poly Fittings 20' Sections
1	Regulator for Diaphragm Pump	1	Flare and Kit
1	Nitrogen Regulator	1	Compressed Air Regulator
1	1" Air Dryer with Cowfoot Fittings	1	Haz-Hammock
1	Chlorine C Kit	1	Pressure Relief Device - O Ring Kit
1	A-E Patch Kit	2	50' Fire hose With Cam Lock Fittings
Comprehensive supply of stainless steel and polyethylene fittings, valves, nipples, bushings, reducers and couplings.			

Communications, Birmingham, Alabama

Qty.	Type	Frequency	Range, Mi.	Description
6	Cellular Telephone		Nationwide	Hand Held

RESPONSE EQUIPMENT (Houston, Texas and Service Locations)

Containment Boom, Houston, Texas

Qty. (ft.)	Model	Size	Description
5,000	River	20"	Quick Connect, 100 ft. sections, 22 oz. Fabric
500	Creek	6"	

*Vacuum Trucks & Skimmers (*Effective Daily Recovery Capacity, Derated to 20% Efficiency per NVIC 7-92), Houston, Texas*

Qty.	Type	EDRC* (Barrels)	Description
2	Vacuum Truck	500	70-Barrel Capacity
1	Goo Gobbler	616	24" Aluminum Cylinder Skimmer with Hydraulic Pack
1	Guzzler Air Mover	70	

Temporary Storage Capacity, Houston, Texas (Minimum in Inventory)

Qty.	Type	Capacity	Description
19	Overpack Drums	95 Gal.	Polyethylene
19	Overpack Drums	85 Gal.	Steel
40	Open Top Drums	55 Gal.	Polyethylene
40	Open Top Drums	55 Gal.	Steel

Vessels and Motors, Houston, Texas

Qty.	Type	Size, ft.	HP	MPH	Range, Mi.	Lbs.	Crew Size
1	Fast Response Boat	26	2 - 150	55	60	5,000	6
4	Work Boat	16	25	25	15	1,000	2

Transportation Equipment, Houston, Texas

Qty.	Description	Qty.	Description
13	Pick-up Trucks	3	20' Flatbed Gooseneck Trailer
1	70 BBL Vac Truck (Freightliner)	1	20' Equipment / Utility Trailer
1	32' Chemical Transfer Trailer	2	20' Boom Trailer
2	24' HazMat Response Trailer	1	24' Demolition Trailer with Office
1	16' Oil Spill Trailer	1	28' Flatbed Gooseneck Trailer
1	24' Marine Response Trailer	1	Roll off Trailer
1	Semi Tractor	1	40' Mobile Command Trailer

Supplies, Consumable, Houston, Texas (Minimum in Inventory)

Qty.	Description	Qty.	Description
100	Bales, Sorbent Pads	100	Bales, Chemical Pads
100	Bags, 8" Sorbent Boom, 40'	150	Bags, Oil Snare

Personal Protective Equipment, Houston, Texas

Qty.	Description	Qty.	Description
10	Level A Suits	40	Poly Coated Tyvek Suits
40	NexGen Suits	40	Level B Suite, CPF3
40	Level B Suits, CPF2	50	Latex Booties
500	Pair, Inner Gloves	80	Pair, PVC Gloves
120	Pair, Nitrile Gloves	20	Pair, Silver Shield Gloves
20	Pair, Silver Shield Booties		

Respiratory Protective Equipment, Houston, Texas

Qty.	Description
8	MSA Self Contained Breathing Apparatus with 60 Minute Bottles
8	MSA 60 Minute Spare Bottles
20	MSA Ultra Twin Respirators, Full Face

RESPONSE EQUIPMENT (Houston, Texas and Service Locations)

Safety Equipment, Houston, Texas

Qty.	Description	Qty.	Description
3	Combustible Gas Detector/4-Gas Meter	3	Photoionization Detector
1	Radiation Survey Meter		

Pumps and Miscellaneous Equipment, Houston, Texas

Qty.	Description	Qty.	Description
1	3" Poly Chem Air Diaphragm Pump	200	Feet, 2" Acid/Chemical Hose with Poly Fittings
3	2" Stainless Steel Chemical Air Diaphragm Pump	200	Feet, 1" Acid/Chemical Hose with Poly Fittings
3	2" Poly Chem Air Diaphragm Pump	100	Feet, 3" Acid/Chemical Hose with Stainless Fittings
2	1" Stainless Steel Chemical Air Diaphragm Pump	200	Feet, 2" Acid/Chemical Hose with Stainless Fittings
2	1" Poly Chem Air Diaphragm Pump	400	Feet, 1" Acid/Chemical Hose with Stainless Fittings
1	Blackmer 2" Stainless Steel Vein Pump	100	Feet, 2" Discharge Hose with Strainers
7	2" Gasoline Trash Pump	500	Feet, 1 1/2" Rag Hose with Strainers
1	2" Diesel Trash Pump	1	North Star 13,500 kW Generator
400	Feet, 2" Petroleum Hose with Strainers	2	Wheel Barrow Portable Air Compressor
100	Feet, 1" Petroleum Hose with Strainers	3	Drum Dolly
1	6000 kW Generator	1	3500 kW Generator
2	Dewalt 6500 kW Generator	1	Drum Lifting Device, Drum Sling
Comprehensive supply of stainless steel and polyethylene fittings, valves, nipples, bushings, reducers and couplings.			

Communications, Houston, Texas

Qty.	Type	Frequency	Range, Mi.	Description
6	Motorola Hand-Held	851-866 MHz	5	Intrinsically Safe
20	Cellular Telephones		Nationwide	Hand Held

Heavy Equipment, Houston, Texas

Qty.	Description	Qty.	Description
1	Track hoe - Volvo 210	1	Mini Excavator - Kubota

Thermal Oxidizer, Houston, Texas

Qty.	Description
1	1000 SCFM Self-Contained, Portable Thermal Oxidizer with 300 feet of 4" Stainless Hose

RESPONSE EQUIPMENT (Laredo, Texas and Service Locations)

Temporary Storage Capacity, Laredo, Texas (Minimum in Inventory)

Qty.	Type	Capacity	Description
10	Overpack Drums	95 Gal.	Polyethylene
5	Overpack Drums	85 Gal.	Steel
12	Open Top Drums	55 Gal.	Polyethylene
10	Open Top Drums	55 Gal.	Steel

Transportation Equipment, Laredo, Texas

Qty.	Description	Qty.	Description
2	Pick-up Trucks	2	28' HazMat Response Trailer/Chemical Transfer Unit
1	24' Equipment Trailer	1	18' Equipment Trailer

Supplies, Consumable, Laredo, Texas (Minimum in Inventory)

Qty.	Description	Qty.	Description
10	Bales, Sorbent Pads	24	Bags, FloorDri
2	Bags, 8" Sorbent Boom, 40'	12	Micro-Blaze
12	Bags, Citric Acid		
2	Bags, Hydrated Lime		
10	Bales, Chemical Pads		

Personal Protective Equipment, Laredo, Texas

Qty.	Description	Qty.	Description
3	Level A Suits, DuPont Tychem	120	Pair, Nitrile Gloves
20	Level B Suits, CPF 3	120	Pair, Neoprene Gloves
20	Level B Suits, CPF 2	150	Pair, Rubber Boot Covers
60	NexGen Suits	1,000	Pair, Nitrile Inner Gloves

Respiratory Protective Equipment, Laredo, Texas

Qty.	Description
3	Scott Self-Contained Breathing Apparatus
5	Air-Purifying Respirators

Safety Equipment, Laredo, Texas

Qty.	Description	Qty.	Description
1	Combustible Gas Detector/4-Gas Meter with PID	120	Chemical-Specific Colorimetric Detector Tubes
1	Colorimetric Tube Drager Pump		

Pumps and Miscellaneous Equipment, Laredo, Texas

Qty.	Description	Qty.	Description
160	Feet, 2" U.H.M.W.P. Chemical Transfer Hose	1	Stainless Steel Air Diaphragm Pump, Viton Elastomers
60	Feet, 1" U.H.M.W.P. Chemical Transfer Hose	1	2" Polypropylene Air Diaphragm Pump, Viton Elastomers
100	Feet, 2" Petroleum Hose	1	1" Polypropylene Air Diaphragm Pump, Viton Elastomers

Comprehensive supply of stainless steel and polyethylene fittings, valves, nipples, bushings, reducers and couplings.

Communications and Electronics, Laredo, Texas

Qty.	Type	Frequency	Range, Mi.	Description
3	Cellular Telephone		Nationwide	Hand Held
2	GPS Units			Hand Held
3	Digital Cameras			

Industrial Equipment, Laredo, Texas

Qty.	Description	Qty.	Description
1	2,200 psi Pressure Washer		

RESPONSE EQUIPMENT (Beach, North Dakota and Service Locations)

Containment Boom, Beach, North Dakota

Qty. (ft.)	Model	Size	Description
10,000	River	18"	Quick Connect, 100 ft. sections, 22 oz. Fabric
1,500	Miniboom	6"	Quick Connect, 50 ft. sections, 22 oz. Fabric

*Vacuum Trucks & Skimmers (*Effective Daily Recovery Capacity, Derated to 20% Efficiency per NVIC 7-92), Beach, ND*

Qty.	Type	EDRC* (Barrels)	Description
2	Crucial		36" Drum Skimmer

Temporary Storage Capacity, Beach, North Dakota (Minimum in Inventory)

Qty.	Type	Capacity	Description
5	Overpack Drums	95 Gal.	Polyethylene
10	Overpack Drums	85 Gal.	Steel
50	Open Top Drums	55 Gal.	Steel
20	Open Top Drums	55 Gal.	Polyethylene
30	Closed Top Drums	55 Gal.	Steel
20	Closed Top Drums	55 Gal.	Polyethylene

Vessels and Motors, Beach, North Dakota

Qty.	Type	Size, ft.	HP	MPH	Range, Mi.	Lbs.	Crew Size
1	Fast Response Vessel	20	150	60	150	2,500	6
2	Work Boat	16	25	25	30	1,000	2

Transportation Equipment, Beach, North Dakota

Qty.	Description	Qty.	Description
3	Pick-up Trucks	1	24' Oil Spill Response Trailer
1	20' Equipment Trailer	1	20' Enclosed Response Trailer

Supplies, Consumable, Beach, North Dakota (Minimum in Inventory)

Qty.	Description	Qty.	Description
192	Oil Pads	40	5" Oil Sorbent Boom 40"
20	Snare on Rope 50' section	10	Bags, Vermiculite
10	Bags, Citric Acid	10	Bags, Hydrated Lime
120	Bags, Oil-Gator	40	Bags, FloorDri
42	Bales, Chemical Pads	100	Micro-Blaze Gallons

Personal Protective Equipment, Beach, North Dakota

Qty.	Description	Qty.	Description
48	Level B Suits, CPF 3	72	Pair, Nitrile Gloves
48	Level B Suits, CPF 2	72	Pair, PVC Coated Globes
136	NexGen Suits	6	Pair, Rubber Boot Covers
99	NexGen Suits PVC Coated	1300	Pair, Nitrile Inner Gloves

Respiratory Protective Equipment, Beach, North Dakota

Qty.	Description
2	MSA Self-Contained Breathing Apparatus (SCBA), 60 minutes, including 12 NFPA-Compliant SCBAs
2	Hip-Mounted Breathing Air Units
6	Air-Purifying Respirators

Safety Equipment, Beach, North Dakota

Qty.	Description	Qty.	Description
2	Photoionization Detector (PID)		

RESPONSE EQUIPMENT (Beach, North Dakota)

Pumps and Miscellaneous Equipment, Beach, North Dakota

Qty.	Description	Qty.	Description
1	Nitrogen Purge System for Chemical Transfers	2	2" Stainless Steel Air Diaphragm Pump, Viton Elastomers
1	Nitrogen Purge System for Chemical Transfers	1	1" Polypropylene Air Diaphragm Pump, Viton Elastomers
1	Coppus Blower	1	2" Polypropylene Air Diaphragm Pump, Viton Elastomers
180	Feet, 2" U.H.M.W.P. Chemical Transfer Hose	4	2" Gas Wash Pump
80	Feet, 1" U.H.M.W.P. Chemical Transfer Hose	1	2" Sightglass
	Magnetic Patch	1	Pressure Washer-Hot Water, trailer-mounted, self-contained
	Midland Kit	1	185 CFM Air Compress 185 CFM Air Compressor
2	6,600-Watt Generator		

Comprehensive supply of stainless steel and polyethylene fittings, valves, nipples, bushings, reducers and couplings.

Communications, Beach, North Dakota

Qty.	Type	Frequency	Range, Mi.	Description
4	Motorola Hand-Held			Intrinsically Safe
3	Cellular Telephone		Nationwide	Hand Held
3	GPS Units			Hand Held
1	Lazar Temperature Guns			
3	Digital Cameras			

DEMOLITION EQUIPMENT (All Service Locations)

Heavy Equipment, Houston, Texas

Qty.	Description
1	Track hoe - Komatsu PC300LS
1	LaBounty MSD-70 Shear attachment for PC300
1	Track hoe - Linkbelt 330
1	Genesis 600 MagnumR- Shear attachment for Linkbelt 330
2	4-Wheel Drive Cat Rubber-Tire Backhoe with Extend-a-hoe Attachment
1	Catepillar 320 Track hoe
1	Catepillar D5M Bull Dozer
1	Catepillar Skid Steer (bob cat)
1	Linkbelt 130 Excavator
1	Grapple attachment for PC 300
1	18 Yard tandem dump truck
1	2,000 gallon water truck
1	Tractor trailer with lo-boy
1	4-Wheel Drive Rubber-Tire Backhoe
1	15 Yard tandem dump truck
1	24' Pindle hitch lowboy trailer

UNITED STATES ENVIRONMENTAL SERVICES
Industrial | Response & Remediation | Maritime

Equipment Deployment Evaluation – 2012

OSRO Certification – PREP Documentation

1.	**Deployment Date:** August 31st 2012
2.	**Office Location/Environment:** New Orleans-Mobile-Houston-Jackson-Geismer *Great Lakes/Inland/Nearshore*
3.	**Deployment/ Incident location(s):** Mississippi River/Barataria Bay/Breton Sound/Lake Borgne
4.	**Time started:** 0600 31/Aug/2012 **Time completed:** 1600 30/Oct/2012
5.	**Response/Scenario Type:** Actual response to Hurricane Isaac- Multiple areas of spilled oil product, sheening and active leakage. Response was in the USCG Sector New Orleans AOR. USES was directed to designated areas for initial assessment and oil recovery activities.
6.	**List type and amount of all equipment (e.g., boom and skimmers may be attached) deployed and number of support personnel employed:** 16' Response Vessels – 15; 18' Response Vessels - 5; 26'-36' response Vessels – 30; Air Boats – 20;Response Trailers – 10; Boom Trailers – 5; Command Post Trailer – 1; Skimmers – 5; Pumps – 15; 18" Containment Boom – 20,000ft; Personnel – 160; Sorbent Boom – 40,000ft; Response Truck – 20.
7.	**Describe goals of the equipment deployment and contingency plan strategies used.** **(Attach photos of deployments if possible)** Response goals where to contain and recovery all oil near each spill site and protective boom any sensitive areas identified in the Sector New Orleans area Contingency Plan. All parts of the plan where utilized during the Unified Commands active response.
8.	**Was the equipment deployed in its intended operating environment?** Yes **Was the equipment operational?** Yes **Where personnel trained and proficient with the equipment?** Yes
9.	**Was a representative sample of USES Equipment deployed?** **(Feet of boom type of equipment and type of recovery - skimmer, pads, vacuum etc.)** Yes

UNITED STATES ENVIRONMENTAL SERVICES
Industrial | Response & Remediation | Maritime

Equipment Deployment Evaluation – 2012

OSRO Certification – PREP Documentation

10.	***All USES response personnel responsible for operations are trained and involved in a comprehensive OJT, hands-on and classroom style training program, all pollution response Equipment is handled under a comprehensive maintenance program. Personnel are trained to the appropriate 29CFR1910.120 standard, including refresher requirement, for their individual area and job function. Equipment PM records are maintained for review upon request.***
11.	**Was the equipment deployed by personnel responsible for its deployment in the event of an actual spill?** Yes
12.	**Attach any description of lessons(s) learned and person(s) responsible for follow up of corrective measures.** A formal report of lessons learned to follow (USCG Hotwash)

Evaluator/OSRO Representative signature and date signed:

Brian P. Carpenter

Brian P. Carpenter, United States Environmental Services, LLC 1/23/2013

Note: Retain this form for a minimum of 3 years (for USCG/RSPA/BSEE) or 5 years (for EPA).

Questions or comments regarding the Drills and Exercises Program can be directed to Brian Carpenter, phone#

985-590-7089 or email: bcarpenter@usesgroup.com

UNITED STATES ENVIRONMENTAL SERVICES
Industrial | Response & Remediation | Maritime

MESRA – Non OSRO
Contract Number 05MMLP225

COMPANY'S ORIGINAL

MASTER EMERGENCY SPILL RESPONSE AGREEMENT (Non – Classified) (OSRO)

by and between

Magellan Pipeline Company, L.P.

and

VIVA Environmental Inc.

Effective December 1, 2005

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

THIS MASTER EMERGENCY SPILL RESPONSE AGREEMENT (" Agreement"), entered into to be effective this 1st day of December 2005 by and between VIVA Environmental Inc., a corporation with its principal place of business in El Paso, Texas ("Contractor") and MAGELLAN PIPELINE COMPANY, L.P, a Delaware corporation, with its principal place of business in Tulsa, Oklahoma ("Company") hereinafter jointly referred to as "Parties" or singularly as "Party".

WHEREAS, Company operates refined petroleum products pipeline system, terminals and ammonia pipeline system and may from time to time experience a release or spill of product that requires emergency response and follow-up services to assist Company in controlling and mitigating such spills;

WHEREAS, Contractor is experienced in providing emergency response and follow-up services to spills such as the type as Company may have;

WHEREAS, Company desires Contractor to assist Company in providing emergency response and follow-up services to spills if requested, and Contractor desires to perform such services when requested; and

NOW THEREFORE, for and in consideration of the mutual promises herein contained and for other good and valuable consideration, the Parties agree as follows:

1. Definitions

1.1 "Company Spill Response Request" shall mean a request by Company to Contractor for Spill Response Dispatch or Spill Response Standby.

1.2 "Emergency Equipment shall have the meaning set forth in Section 7.2 of this Agreement.

1.3 "Hazardous Waste (or Waste)" shall mean Product(s) and/or any material or substances contaminated with the Product(s).

1.4 "Laws" shall mean all applicable federal, state, county, local laws, regulations and ordinances, including without limitation, those issued under the auspices of the USCG, MMS, OPS, EPA, OPA 90, Department of Transportation ("DOT"), the Occupational Safety and Health Administration ("OSHA"), RCRA and CERCLA or any other authority having jurisdiction over the work.

1.5 "OPA 90" shall mean the Oil Pollution Act of 1990.

1.6 "OSRO" shall mean the Oil Spill Removal Organization contained in the Guidelines for the U.S. Coast Guard OSRO Classification Program.

1.7 "PREP" shall mean the National Preparedness For Response Exercise Program issued under the OPA 90 jointly by the U.S. Coast Guard ("USCG"), the

Contractor or by operation of law, without the prior written consent of Company. Any purported assignment without such consent shall be void.

24. Independent Contractor

In performance of the work, the Contractor shall at all times be an independent contractor and the relation of the parties in the Agreement shall in no event be construed as constituting any other relationship.

25. Non-Exclusivity

Nothing in this Agreement shall require Company to solely utilize the services of Contractor or to ever utilize Contractor's services.

26. Applicable Law

This Agreement shall be governed by, and in accordance with, the laws of the State of Oklahoma without regard to principles of conflicts of laws.

27. Entire Agreement

This Agreement states the entire agreement between the parties with respect to the subject matter thereof and supersedes all prior agreements and understandings, whether oral or written, between the parties with respect to the subject matter hereof and may not be amended except by written instrument executed by the parties hereto. Release or waiver of any default or the failure to assert any right under this Agreement shall not be deemed in any case to be confirming waiver as to constitute an amendment of this Agreement. All Exhibits referenced herein and attached hereto are incorporated by reference as part of this Agreement.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed effective as of the date first above written by their duly authorized representatives below.

MAGELLAN PIPELINE COMPANY, L.P. **By: Magellan Pipeline GP, LLC,** **Its General Partner**	**VIVA Environmental Inc.**
By: Melanie Little	By:
Name: MELANIE LITTLE	Name: Peter Felix III
Title: DIRECTOR, BUSTS	Title: President/CEO
Date: 12/13/05	Date: 11/29/05

EXHIBIT G

ANNUAL ACKNOWLEDGEMENT OF MASTER EMERGENCY SPILL RESPONSE AGREEMENT (MESRA)

In order to verify the status of Contractor's response teams, this acknowledgement form must be completed and signed by Contractor, and then submitted to Company not later than the 30th day of January annually.

Submittal of this form is required per MESRA paragraph 22 (c); however, failure to submit this document timely does not in any way constitute an abrogation of the terms and conditions of the MESRA.

Execution of this acknowledgement by Contractor's representative will serve as certification that Magellan Pipeline Company, L.P. has complied with the preparedness and prevention sections for securing arrangements with a hazardous materials cleanup contractor **VIVA Environmental, Inc.** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: PETER FELIX III

Title: PRESIDENT/CEO

Signature: [illegible]

Date: 15 JAN 13

Complete this form annually and submit to:

Magellan Midstream Partners, L.P.
Holly Warner – Project Analyst III
One Williams Center, MD 30
Tulsa, Oklahoma 74172

Email: holly.warner@magellanlp.com