



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.



**Midwest District
Spill Response Plan Pipelines**



Developed by:



1610 Woodstead Ste. 355 • The Woodlands TX 77380 USA • Tel: 281-955-9600 • Fax: 281-955-0369 • info@trpcorp.com • www.trpcorp.com

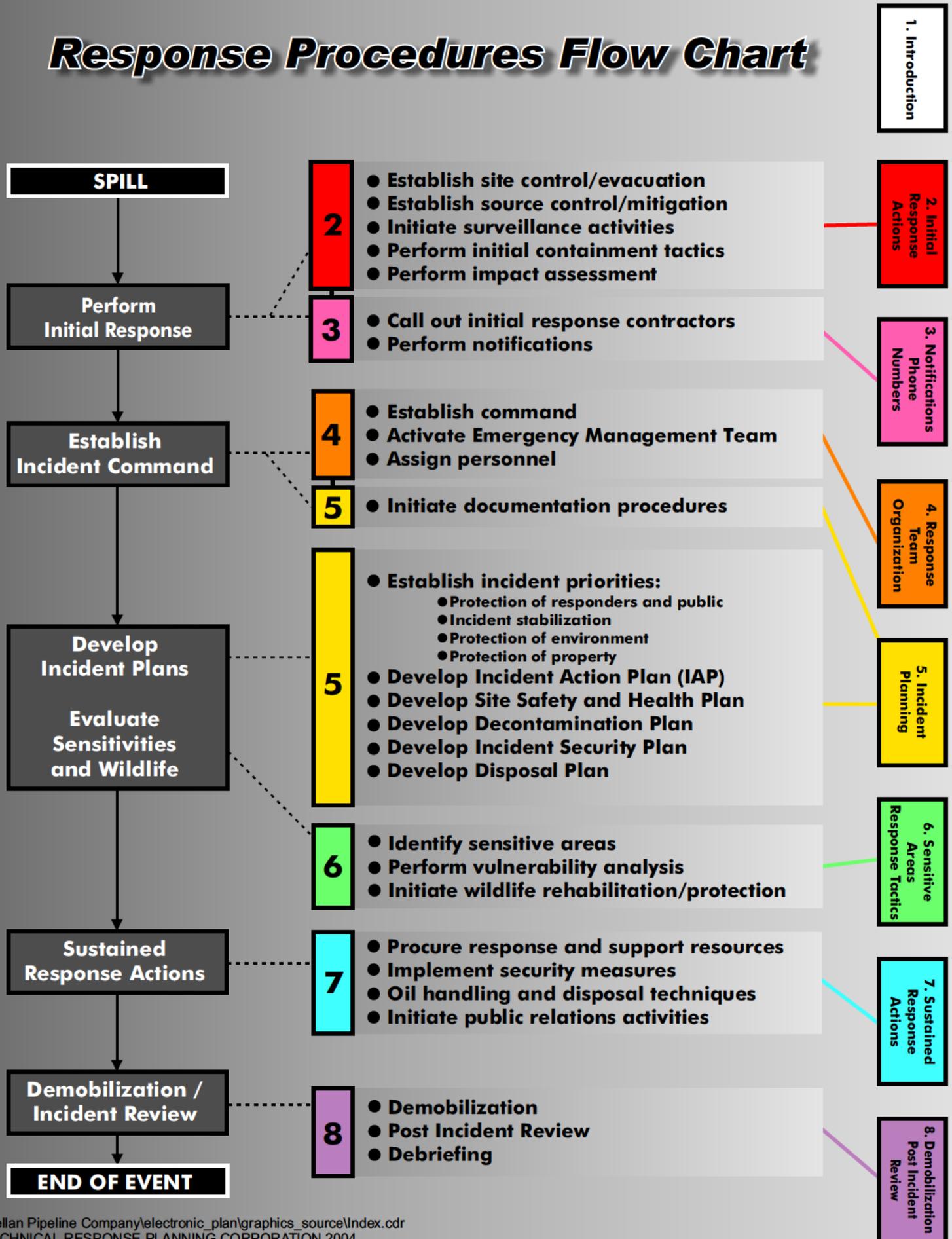


Midwest District
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Response Procedures Flow Chart



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SECTION 1

INTRODUCTION

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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	
12/1/2008	2009 Edition Published	
5/1/2010	2010 Edition Published	
7/26/2010	Notifications section amended to include NDEQ and their air monitoring capabilities	
3/8/2011	Published 2011 Updates of Sections 1,3, B and C	
6/29/2011	Section 6.7- Modified sensitivity maps to include new pipeline and Riverside terminal	
10/1/2011	Moved Nebraska line segment from Midwest District to Northern District. Nemaha and Richardson counties will remain in the Midwest District.	
7/30/2013	Multiple updates include moving the Nebraska line segments back to the Midwest District along with the Milford line. Included moving the TCS line and areas around the KC terminal to the Central District. 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". Special access locations were added to Section 6 and in 2013, Tactical sites were added.	
12/5/2013	2014 Edition Published. Edited maps, employee contacts, ER contacts, WCD, pipe for new pipeline system in Colorado, Wyoming and South Dakota	
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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 Operations, Central District	13424 West 98th Street Lenexa, KS 66215	1	0	May, 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	May, 2010
Supervisor, Des Moines Area	2503 SE 43rd St. Des Moines, Iowa 50327	2	0	May, 2010
Environmental Specialist	2650 106th Street, Suite 105 Urbandale, Iowa 50322	1	1	May, 2010
Environmental Specialist	13424 W. 98th Street Shawnee Mission, KS 66215	1	0	May 2010
Supervisor, Asset Integrity	2503 SE 43rd Des Moines, IA 50327	0	1	May, 2010
Supervisor, Asset Integrity	401 E. Donovan Rd. Kansas City, KS 66115	1	0	May, 2010
Operations Supervisor - Rapid City	3225 Eglin Street Rapid City, SD 57701	1	1	0
Supervisor, St Joseph Area	13424 West 98th Street Lenexa, KS 66215	1	0	May, 2010
Operations Supervisor, Des Moines Terminal	2503 SE 43rd St. Des Moines, Iowa 50327	1	0	May 2010
Supervisor, El Dorado Area	3510 S.W. 20th El Dorado, KS 67042	1	0	May, 2010
Supervisor, Omaha Area	2205 North 11th Street Omaha, NE 68110	1	0	
Supervisor, Aurora Area	15000 E Smith Road Aurora, CO 80011	1	0	May, 2010
Supervisor, Doniphan Area	12275 South US Hwy 281 Doniphan, NE 68832	1	0	
Ops & Maint Coordinator NE - Asset Integrity	1309 Sunset Road El Dorado, KS 67042	1	0	May, 2010
Scott City Terminal	100 Highway 4 P.O. Box 708 Scott City, KS 67871	1	0	May, 2010
Omaha Terminal	2205 North 11th Street Omaha, NE 68110	1	1	
Capehart Terminal	13029 S. 13th Street Bellevue, NE 68123	1	0	
Milford Terminal	2451 Hwy 71	1	1	

Milford, IA 51351

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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	
Sioux City Terminal	4300 41st Street Sioux City, IA 51108	1	0	
Topeka Terminal	8050 SW Topeka Blvd Wakarusa, KS 66546	1	0	May, 2010
St. Joseph Terminal	963 Vernon Road Wathena, KS 66090	1	0	May, 2010
Dupont Terminal	8160 Krameria Avenue Dupont, CO 80024	1	1	0
Stroud Station	5200 E. Yellowstone HWY Evansville, WY 82636	1	1	0
Rapid City Terminal	3225 Eglin Street Rapid City, SD 57701	1	1	0
Cheyenne Terminal	1112 Parsley Boulevard Cheyenne, WY 82007	1	1	0
Fountain Terminal	1004 South Sante Fe Fountain, CO 80817	1	1	0
Great Bend Terminal	48 Northeast Highway 156/ PO Box 286 Great Bend, KS 67530	1	0	May, 2010
Des Moines Terminal	2503 SE 43rd Street Des Moines, IA 50327	1	0	May, 2010
Aurora Terminal	15000 E. Smith Road Aurora, CO 80011	1	0	May, 2010
Lincoln Terminal	2000 Saltillo Road Roca, NE 68430	1	0	
Olathe Terminal	13745 W. 135th Street Olathe, KS 66062	1	1	
Wichita North Terminal	1120 S. Meridian Valley Center, Kansas 67147	1	0	May, 2010
Doniphan Terminal	12275 S. US Hwy 281 Doniphan, NE 68832	0	0	

ASIG (Denver Int. Airport)	11110 Queensburg Street Denver, Colorado 80249	0	1	May, 2010
Nebraska City Station	846 North 58th Road Nebraska City, NE 68410	1	0	
Emporia Station	c/o Supervisor 3510 Southwest 20th El Dorado, KS 67042	0	1	May, 2010
Osage Meter Station	c/o Area Supervisor 3510 S.W. 20th El Dorado, Kansas 67042	0	1	May, 2010
Sunset Booster Station	c/o Area Supervisor 3510 S.W. 20th El Dorado, Kansas 67042	0	1	May, 2010
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FIGURE 1-2 - DISTRIBUTION LIST

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		PAPER	ELECTRONIC	
Pretty Prairie Station	c/o Area Supervisor 3510 S.W. 20th El Dorado, Kansas 67042	0	1	May, 2010
Burlington Station	c/o Area Supervisor 15000 E. Smith Road Aurora, Colorado 80011	0	1	May, 2010
El Dorado Station (Boyer Road)	c/o Area Supervisor 3510 S.W. 20th El Dorado, Kansas 67042	0	1	May ,2010
Lowland Station	c/o Area Supervisor 15000 E. Smith Road Aurora, Colorado 80011	0	1	May, 2010
Sharon Springs Station	c/o Scott City Terminal 100 Highway 4 P.O. Box 708 Scott City, Kansas 67871	0	1	May, 2010

Burdett Station	c/o Great Bend Terminal 48 Northeast Highway 156/ PO Box 286 Great Bend, Kansas 67530	0	1	May, 2010
Winfield Station	c/o Area Supervisor 3510 S.W. 20th El Dorado, Kansas 67042	0	1	May, 2010
Flagler Station	c/o Area Supervisor 15000 E. Smith Road Aurora, Colorado 80011	0	1	May, 2010
Irvington Station	Irvington Station c/o Operations Supervisor 2205 N. Eleventh Street Omaha, NE 68110	0	1	
McPherson Station	c/o Supervisor 3510 Southwest 20th El Dorado, KS 67042	0	1	May, 2010
Andale Station	c/o Supervisor 3510 Southwest 20th El Dorado, KS 67042	0	1	May, 2010
El Dorado West Station	3510 S.W. 20th El Dorado, Kansas 67042	1	0	May, 2010
Eureka Station	c/o Supervisor 3510 Southwest 20th El Dorado, KS 67042	0	1	May, 2010
El Dorado Station	1309 Sunset El Dorado, KS 67042	1	0	May, 2010
Heritage Environmental Services (3)	8525 Northeast 38th St. Kansas City, MO 64161	0	1	May, 2010
Haz-Mat Response, Inc.	1203 C South Park Olathe , KS 66061	0	1	May, 2010
Haz-Mat Response	4501 Rodeo Road North Platte, Nebraska 59101	0	1	May, 2010
Environmental Management Services	1030 South Rolff Davenport, Iowa 52802	0	1	May, 2010
Seneca Companies	17581 244th Avenue Bettendorf, IA 52722	0	1	May, 2010

Belfor Environmental	5075 Kalamath Street Denver, CO 80221	0	1	May, 2010
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FIGURE 1-2 - DISTRIBUTION LIST

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		PAPER	ELECTRONIC	
Seneca Companies	4444 South York Sioux City, Iowa 51106	0	1	May, 2010
Technical Response Planning Corporation	Access to Planning System Online Houston, TX	0	0	Online Access
Haz-Mat Response	4830 South Hydraulic Wichita, KS 67216	0	1	May 2010
Custom Environmental	8041 W. I-70 Frontage Rd, Unit #5 Arvada, CO 80002	0	1	

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FIGURE 1-3 - MIDWEST DISTRICT INFORMATION SUMMARY

Owner/Operator:	Magellan Pipeline Company, L.P. P. O. Box 22186 Tulsa, OK 74121-2186	
Zone Name:	Midwest District	
Zone Mailing Address:	13424 West 98th Street Lenexa, KS 66215	
Zone Telephone/Fax:	(913) 310-7700 / (913) 310-7790	
Qualified Individuals:		Home
	Jeffrey Myers Mgr Operations I 913/310-7730 (Office) (b) (6) (Home) (b) (6) (Mobile)	
	Paul Shive Supv Area 319/354-0253 (Office) (b) (6) (Home) (b) (6) (Mobile)	

	Larry Smith Mgr Operations II Qualified Individual 913/310-7713 (Office) (b) (6) Home (b) (6) Mobile)	
	Jeffrey Binstock Supv Area 303/344-1511 (Office) (b) (6) Home (b) (6) Mobile)	
	James Chandlee Coord Ops & Maintenance Spill Response Team 620/365-5886 (Office) (b) (6) Home (b) (6) Mobile)	
	Ryan Glazebrook Control Systems Specialist III 303/344-1511 (Office) (b) (6) Home (b) (6) Mobile)	

FIGURE 1-3 - MIDWEST DISTRICT INFORMATION SUMMARY

Qualified Individuals:		Home
	Kevan Heil Supv Area 913/647-8407 (Office) (b) (6) Home (b) (6) Mobile)	
Jon Jacobs Supv Area 913/310-7721 (Office) (b) (6) Home (b) (6) Mobile)		
Harold Johnson Coord Ops & Maintenance 402/677-7108 (Office) (b) (6) Home (b) (6) Mobile)		
Michael Kennedy Coord Ops & Maintenance SMT 641/420-5010 (Office)		

	(b) (6) (Home) (b) (6) (Mobile)	
	Mike Orr Supv Asset Integrity II 918/574-7583 (Office) (b) (6) (Home) (b) (6) (Mobile)	
	Steven Steward Supv Area 515/261-6604 (Office) (b) (6) (Home) (b) (6) (Mobile)	
	Steve Turley Technician II 620/872-2086 (Office) (b) (6) (Home) (b) (6) (Mobile)	
Midwest District		Page 1 - 15

FIGURE 1-3 - MIDWEST DISTRICT INFORMATION SUMMARY

Qualified Individuals:		Home
	Ryan Anderson Supv Operations I 605/343-9764 (Office) (b) (6) (Home) (b) (6) (Mobile)	
Cody Annis Supv Area Various 316/321-6380 (Office) (b) (6) (Home) (b) (6) (Mobile)		
Ray Haworth Supv Area 303/286-6400 (Office) (b) (6) (Home) (b) (6) (Mobile)		
Steven Hill Technician Sr 309/473-3031 (Office) (b) (6) (Home) (b) (6) (Mobile)		
Frank Lynch		

	Supv Area 402/342-5476 (Office) (b) (6) (Home) (b) (6) (Mobile)	
	Alan Manke Technician Sr SMT 316/321-6380 (Office) (b) (6) (Home) (b) (6) (Mobile)	
	Ed Osius Supv Area 402/786-4022 (Office) (b) (6) (Home) (b) (6) (Mobile)	
Midwest District		Page 1 - 16

FIGURE 1-3 - MIDWEST DISTRICT INFORMATION SUMMARY

Qualified Individuals:		Home
	Joshua Pellegrin Supv Operations II 515/261-6603 (Office) (b) (6) (Home) (b) (6) (Mobile)	
	Bradley Sandy Supv Asset Integrity II 515/261-6610 (Office) (b) (6) (Home) (b) (6) (Mobile)	
	Greg Tarr Supv Asset Integrity II 913/647-8422 (Office) (b) (6) (Home) (b) (6) (Mobile)	
	Harry Wilhoit Technician Sr 816/675-2210 (Office) (Home) (b) (6) (Mobile) (800) 443-7243 ID# 002595 (Pager)	
	Rodger Teasdale Supv Area	

515/276-0627 (Office)	
(b) (6) (Home)	
(Mobile)	

FIGURE 1-3 - MIDWEST DISTRICT INFORMATION SUMMARY, CONTINUED

Line Sections / Products Handled:(Refer to Product Characteristic and Hazards, FIGURE D.9-1)			
LINE NUMBER	SECTION	LENGTH (miles)	PRODUCTS
457	Canton Lateral 6" MP 212.85-IA/SD St. Line - INACTIVE	97	Nitrogen
5285	Lincoln Jct - BNRR #1-6"		Refined Petroleum Products
6015	Barnsdall- Kansas City #2-8" 18th St - Kansas City - Inactive		Nitrogen
6060	Barnsdall - El Dorado #7-16" MP 65 - El Dorado		Refined Petroleum Products
6080	El Dorado - Humboldt #1-8" Humboldt - MP 50		Refined petroleum products
6102	Cushing - El Dorado 20" (Osage) MP 75-El Dorado	81	Crude
6103	Cushing - Boyer 8" (Cimarron) Cushing -MP 75		Crude Oil
6110	EL DORADO - KANSAS CITY #6-10"		Refined petroleum products
6130	KANSAS CITY - DES MOINES #4-12"	190	Propane and/or Butane
6132	KANSAS CITY - DES MOINES #4-12" SPARE		Refined petroleum products
6133	PLATTSBURG JCT - HTI 8" (#4-12")		Refined petroleum products
6134	PLATTSBURG JCT - HTI 8" (#6-12")		Refined petroleum products
6135	KANSAS CITY - DES MOINES #6-12"	190	Refined petroleum products
6137	KANSAS CITY - DES MOINES #4-12" SPARE		Nitrogen
6140	KANSAS CITY - FAIRFAX BRIDGE JCT. 6"	3	Refined petroleum products
6142	Des Moines-Miss. River #3-6" Skunk River Spare		Nitrogen
6150	DES MOINES - MISSISSIPPI RIVER #5-8" - DES MOINES - GV @ MP 10+46 NO. 5-8"		Propane and/or Butane
6155	DES MOINES - MISSISSIPPI RIVER #6-12" - DES MOINES - GV @ MP 10+46		Refined petroleum

	NO. 6-12"		products
6177	DES MOINES - MINNEAPOLIS #1-6" - Inactive		Not in Use
6178	DES MOINES - MINNEAPOLIS #1-6" Spare		Nitrogen
6180	DES MOINES - MINNEAPOLIS #2-6"	26	Refined petroleum products
6185	DES MOINES - MINNEAPOLIS #4-12" - DES MOINES - GV @ MP 20+18 NO. 4-12"		Refined petroleum products
6220	KANSAS CITY - IRVINGTON #3-8"		Nitrogen
6223	KANSAS CITY - IRVINGTON #3-8" SPARE		Not in use
6225	KANSAS CITY - IRVINGTON #5-12"		Refined petroleum products
6227	KANSAS CITY - IRVINGTON #5-12" SPARE		Not in use
6230	Irvington - Omaha #1-8"	12	Refined Petroleum Products
6235	Irvington - Sioux Falls #3-8" (to MP 333) INACTIVE		Nitrogen
6238	Irvington - Sioux Falls #3-8" SPARE - INACTIVE		Nitrogen
6240	Irvington - Sioux Falls #5-12" (to MP 333)		Refined Petroleum Products
6242	Blair Jct - Agrico Term 10" - INACTIVE		Nitrogen
6242	Blair Jct - Agrico Term 10" - INACTIVE		Nitrogen
6243	Irvington - Sioux Falls #5-12 Spare River Crossing - INACTIVE		Nitrogen
6245	Omaha - Eppley #1-6"	3	Refined Petroleum Products
6246	United Airlines Storage Lateral - INACTIVE		Nitrogen
6280	Nebraska City - Noniphan #1-8"	131	Refined Petroleum Products
6282	McCool Jct - McCool Term 6"		Not in Use

FIGURE 1-3 - MIDWEST DISTRICT INFORMATION SUMMARY, CONTINUED

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

LINE NUMBER	SECTION	LENGTH (miles)	PRODUCTS
6283	McCool Term - McCool Jct 6"		Not in Use

6284	BNSFR 6"		Not in Use
6286	B1 West lat - BNRR		Refined Petroleum Products
6287	B1 East lat - BNRR		Refined Petroleum Products
6288	Freight Pit Loading Spot - BNRR		Refined Petroleum Products
6289	B2 West Lat - BNRR		Refined Petroleum Products
6290	Lincoln - Lincoln AFB #1-6"	10	Refined Petroleum Products
6291	Lincoln Station 8" Tank Connection (592, 593)		Refined Petroleum Products
6292	Lincoln Station 8" Tank Connection (731, 732, 793)		Refined Petroleum Products
6293	Lincoln Elec Jct - Lincoln Elec 6"		Refined Petroleum Products
6325	ALBANY JCT. SO. - ALBANY JCT. 6"		Refined petroleum products
6328	ALBANY JCT. - ALBANY 10"		Refined petroleum products
6345	Sioux City- Milford #1-6"	81	Refined Petroleum Products
6370	KANSAS CITY - BARGE DOCK 8"		Refined petroleum products
6375	DES MOINES - MASON CITY #7-12" - DES MOINES - GV @ MP 30+16 NO. 7-12"		Propane
6380	EL DORADO - WATHENA JCT. #7-16"		Refined petroleum products
6385	WATHENA JCT. - ST. JOSEPH #7-10"	3	Refined petroleum products
6395	WATHENA JCT. - DES MOINES #7-16"	151	Refined petroleum products
6480	TOPEKA - KS/NB ST. LINE #2-6" - INACTIVE		Nitrogen
6485	Omaha Jct. - Omaha Term. 6" INACTIVE		Nitrogen
6486	KS/NB St. Line - NB/IA St. Line #2-6" INACTIVE		Nitrogen
6486	KS/NB ST. LINE - NB/IA ST. LINE #2-6" - INACTIVE To MP 107		Nitrogen
6488	NB/IA St. Line 6" Spare - INACTIVE		Nitrogen
6489	NB/IA St. Line 6" Spare - INACTIVE		Nitrogen
6505	Sioux City Jct. - Sioux City Term #2-6" INACTIVE		Nitrogen
6512	NB/IA St. Line - IA/SD St. Line #2-6" Spare INACTIVE		Nitrogen
6540	LAWRENCE (CFCA) - LAWRENCE JCT.		Refined petroleum

	8"		products
6565	KENNETH - ARGENTINE 1-6" & 8"		Refined petroleum products
6567	KENNETH - ARGENTINE 1-6" & 8"		Refined petroleum products
6590	Augusta - El Doardo 6" (MP 14) Derby		Nitrogen
6720	Augusta-Fairfax 6" Derby Ref. Tank Conn		Refined petroleum products
6722	Enterprise Meter - El Dorado Sta. 8"	1	Refined petroleum products
6723	El Dorado Station - Chase 12"		Refined petroleum products
6725	El Dorado - Derby Ref. 8" Tank Conn.	2	Nitrogen
6726	El Dorado Sta. - Tank 1211 14"/18"	1	Refined petroleum product
6727	El Dorado Stat. Tank 1210 14"/18"	1	Refined petroleum products
6728	El Dorado Sta. Tank 1212 14"/18"	1	Refined petroleum products

FIGURE 1-3 - MIDWEST DISTRICT INFORMATION SUMMARY, CONTINUED**Line Sections / Products Handled:(Refer to Product Characteristic and Hazards, FIGURE D.9-1)**

LINE NUMBER	SECTION	LENGTH (miles)	PRODUCTS
6729	El Dorado Station Tank 1209 14"/18"	1	Refined petroleum products
6750	DES MOINES - MCMILLAN 12" TANK CONN.	1	Refined petroleum products
6810	Caprehart Jct. - Capehart Term 10"	2	Refined Petroleum Products
6815	Capehart Term. - Offutt AFB 6"	1	Refined Petroleum Products
6820	Offutt AFB - Amoco Council Bluffs 4" INACTIVE		Nitrogen
6880	FALLS CITY 4" NG PIPELINE (INACTIVE)		
6902	Osage - Boyer 20"	1	Nitrogen
6904	Boyer - Chase 8"	1	Refined petroleum products
6905	Boyer - magellan 16"	2	Refined Petroleum Products
6906	Jet Line - Frontier Refinery 6" Inactive	2	Nitrogen
6907	Boyer - Coastal Ref. 6"/8" Inactive		Nitrogen

6908	Boyer - Kaneb 10"	1/8	Nitrogen
6910	Sunset-Chase 16"	2	Refined Petroleum Products
6911	Sunset-Chase 8"	2	Refined petroleum products
6912	El Dorado - Aurora 10"/12"	458	Refined petroleum products
6912	El Dorado - Scott City 10"	249	Refined Petroleum Products
6914	Great Bend - Hudson 6" Inactive		Nitrogen
6915	McPherson - Andale Jct. 10"	38	Refined Petroleum Products
6916	Aurora - Stapeton 6" Inactive		Nitrogen
6917	Aurora - Denver International Airport 10"	18	Refined petroleum products
7165	Dupont-Fountain 6"	90	Refined Petroleum Products
7170	Rapid City Lateral 6"	189	Refined Petroleum Products
7175	Casper- Dupont 6"	268	Refined Petroleum Products

FIGURE 1-3 - MIDWEST DISTRICT INFORMATION SUMMARY, CONTINUED

Description of Zone:	The pipeline carries refined oil (including Diesel, Gasoline, Jet fuel, Natural gasoline, Crude Oil, Propane, Natural Gas, Butane,) in the areas shown in FIGURE 1-4 and FIGURE 1-5
Response Zone Consists of the Following Counties:	<p>Colorado: Adams, Arapahoe, Cheyenne, Denver, Douglas, Elbert, El Paso, Kit Carson, Larimer, Lincoln and Weld</p> <p>Iowa: Cherokee, Clarke, Clay, Decatur, Dickinson, Iowa, Lyon, Madison, Mills, Monona, O'Brien, Pottawattamie, Plymouth, Polk, Ringgold, Sioux, Union, Warren, Woodbury</p> <p>Kansas: Atchison, Barton, Brown, Butler, Chataqua, Chase, Cowley, Doniphan, Douglas, Greenwood, Harvey, Hodgeman, Jackson, Jefferson, Johnson, Leavenworth, Lyon, McPherson, Nemaha, Ness, Osage, Pawnee, Reno, Rush, Scott, Sedgewick, Shawnee, Stafford, Wichita, and Wyandotte</p> <p>Missouri: Andrew, Clay, Clinton, Daviess, DeKalb, Gentry, harrison, Nodaway, Worth</p> <p>Nebraska: Burt, Cass, Douglas, Hall, Hamilton, Jackson, Lancaster, Nemaha,</p>

	Otoe, Richardson, Sarpy, Seward Washington, York South Dakota: Custer, Fall River and Pennington Wyoming: Converse, Laramie, Natrona, Niobrara and Platte
Alignment Maps (Piping, Plan Profiles):	Maintained at: Midwest District Office, Lenexa, KS
Worst Case Discharge:	(b) (7)(F), (b) (3)
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:	December 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 - MIDWEST 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 V Regional Contingency Plan and EPA Region VII 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)



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.



Melanie Little
VP Operations

1.4 AGENCY SUBMITTAL / APPROVAL LETTERS

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Update](#)**

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1.4 AGENCY SUBMITTAL / APPROVAL LETTERS

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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 Factors2.1.4 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 Threat2.9 Hydrogen Sulfide (H₂S) Release2.9.1 General Requirements

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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). <ul style="list-style-type: none"> • 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.	
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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.	
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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: <ol style="list-style-type: none"> 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		
<p>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.</p> <p>Conduct a hazard risk analysis before attempting operations. Consider:</p> <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 repellent 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: <ul style="list-style-type: none"> • 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		

<p>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.</p>		
<p>Rules and Tactics for Ice recovery operations by trained and qualified personnel:</p> <ul style="list-style-type: none"> • 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 		
<p>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:</p> <ul style="list-style-type: none"> • 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. 		
<p>Well-compacted snow lined with plastic can be used as a berming material</p>		
<p>Employ standard spill response procedures, including:</p> <ul style="list-style-type: none"> • 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	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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)	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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	
<ul style="list-style-type: none"> • 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

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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

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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: <ul style="list-style-type: none"> • 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 	

<ul style="list-style-type: none"> • Notify the utility companies if on-site utilities, such as gas and electric, may be affected by the fire 	
<p>Site Control:</p> <ul style="list-style-type: none"> • 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 	
<p>Fire Fighting:</p> <ul style="list-style-type: none"> • 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 	
<p>Valves and Controls:</p> <ul style="list-style-type: none"> • 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 	
<p>Establish Command:</p> <ul style="list-style-type: none"> • 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 	
<p>Additional Resources:</p> <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Air Monitoring contractors identified in SECTION 3 • Specialty Fire-fighting services identified in SECTION 3 • Oil Spill Removal Organizations (OSROs) 	
<p>Conduct a post-emergency evaluation and report</p>	

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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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:	

<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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

(b) (7)(F), (b) (3)

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: <ul style="list-style-type: none"> • Removing the patient from any situation threatening their life or the lives of rescuers • Correcting life-threatening problems and immobilizing injured parts 	

<p>before transporting the patient</p> <ul style="list-style-type: none"> • 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	
<p>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.</p> <p>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.</p> <p>Skin Contact Immediately remove contaminated clothing. Wash affected skin thoroughly with soap and water. If irritation persists, obtain medical attention.</p> <p>Ingestion Do not induce vomiting. Obtain immediate medical attention.</p>	

2.4 MEDICAL, CONTINUED

MEDICAL CHECKLIST	
TASK	INITIALS
Exposure to Petroleum	
Gasoline, Diesel, Denatured Ethanol	
<p>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.</p> <p>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.</p> <p>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.</p> <p>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</p>	

medical attention.	
Butane	
<p>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.</p> <p>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.</p> <p>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.</p>	

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	
<p>Tornado Watch:</p> <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Sturdy building • Bottom floor • Innermost room with the maximum number of walls between occupants and outside • Minimum number of windows • Watch for danger signs <ul style="list-style-type: none"> • Dark, often greenish clouds • Large hail • Wall cloud or funnel cloud 	
<p>Tornado Warning:</p> <ul style="list-style-type: none"> • Tornado warning means a tornado has been sighted. A warning may come from emergency officials but may also come from facility 	

<p>personnel who site a funnel formation and hear a roar similar to a jet engine</p> <ul style="list-style-type: none"> • 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 	
<p>After High Winds or Tornadoes:</p> <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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 	

Riverside and 18th Street Flood Plans

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), (b) (3)

2.9 HYDROGEN SULFIDE (H₂S) RELEASE

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

All crude oils contain some concentration of hydrogen sulfide (H₂S). 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 H₂S hazard, but H₂S 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 H₂S and where they can be encountered in the work place, and
- the proper use and maintenance of H₂S monitoring and personal protective equipment.

H₂S can be in either a gas (air) or liquid (oil) state. H₂S levels can be higher in the air than in the oil from which it came. H₂S 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 H₂S 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 H₂S 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 H₂S 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. H₂S 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 H₂S 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
<p>Use of Monitor</p> <ul style="list-style-type: none"> 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	
<p>Initial Monitoring of Release Site</p> <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> Benzene - 1 ppm H₂S - 10 ppm NH₃ - 25 ppm VOC - 25 ppm LEL - 10% Once the zones are properly identified, <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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. 	
<p>Facility Perimeter Monitoring</p> <ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> • If readings are detected in nearby communities (residential, commercial, or retail) <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • Contact local air monitoring contractor or spill contractor with air monitoring capabilities. 	

<p>Establish an air monitoring program and review with Safety Specialist.</p> <ul style="list-style-type: none"> • Work with Emergency Agencies to establish action levels for readings. • If readings are anticipated to continue greater than 1 day <ul style="list-style-type: none"> • 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	
<p>Tank Fires</p> <ul style="list-style-type: none"> • 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	
<p>Air Monitoring Program</p> <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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. 	
<p>National Contractor Capabilities</p> <ul style="list-style-type: none"> • 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: July 21, 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 FormFigure 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

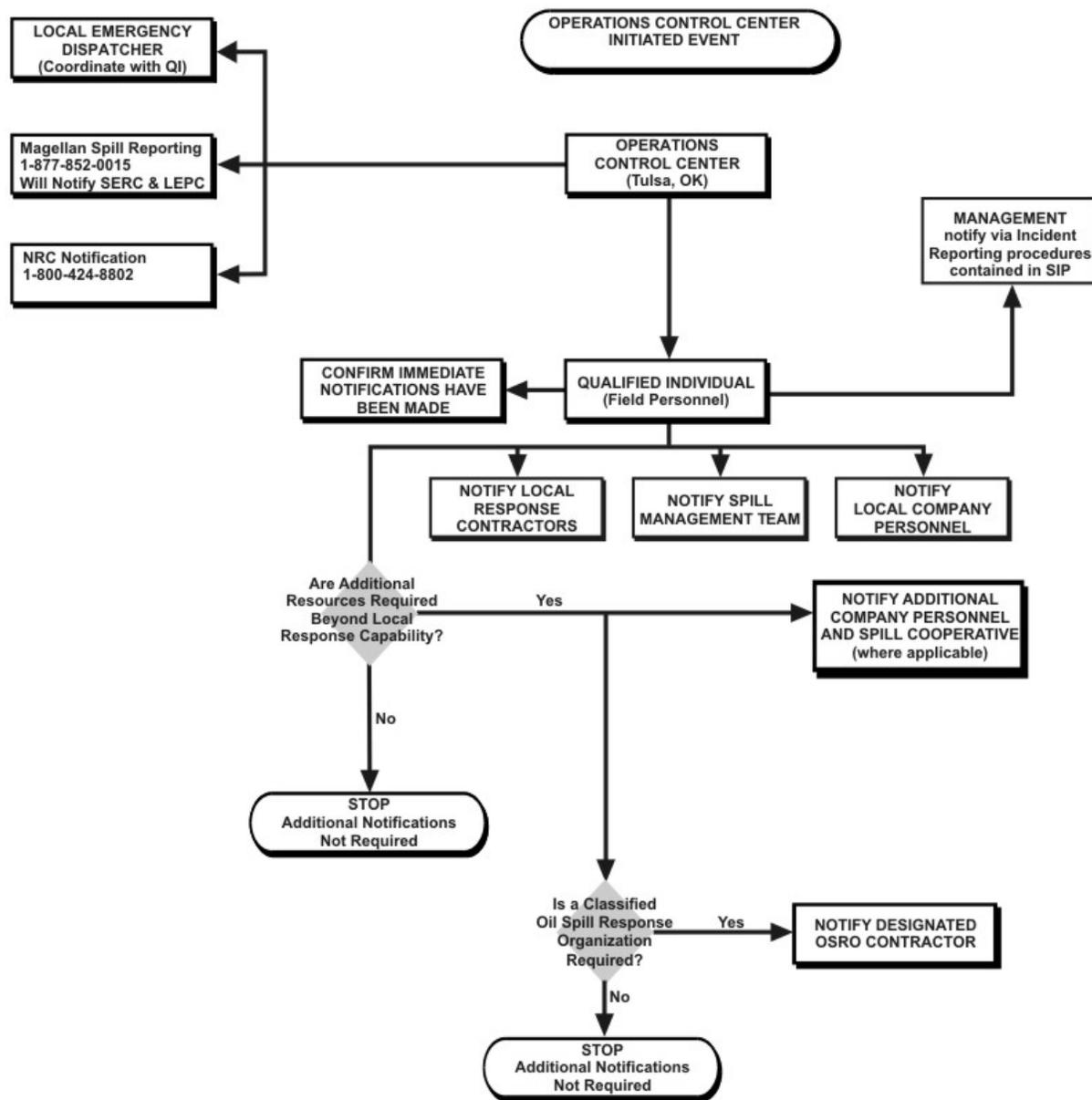


FIGURE 3.1-1 - EMERGENCY NOTIFICATION FLOWCHART, CONTINUED

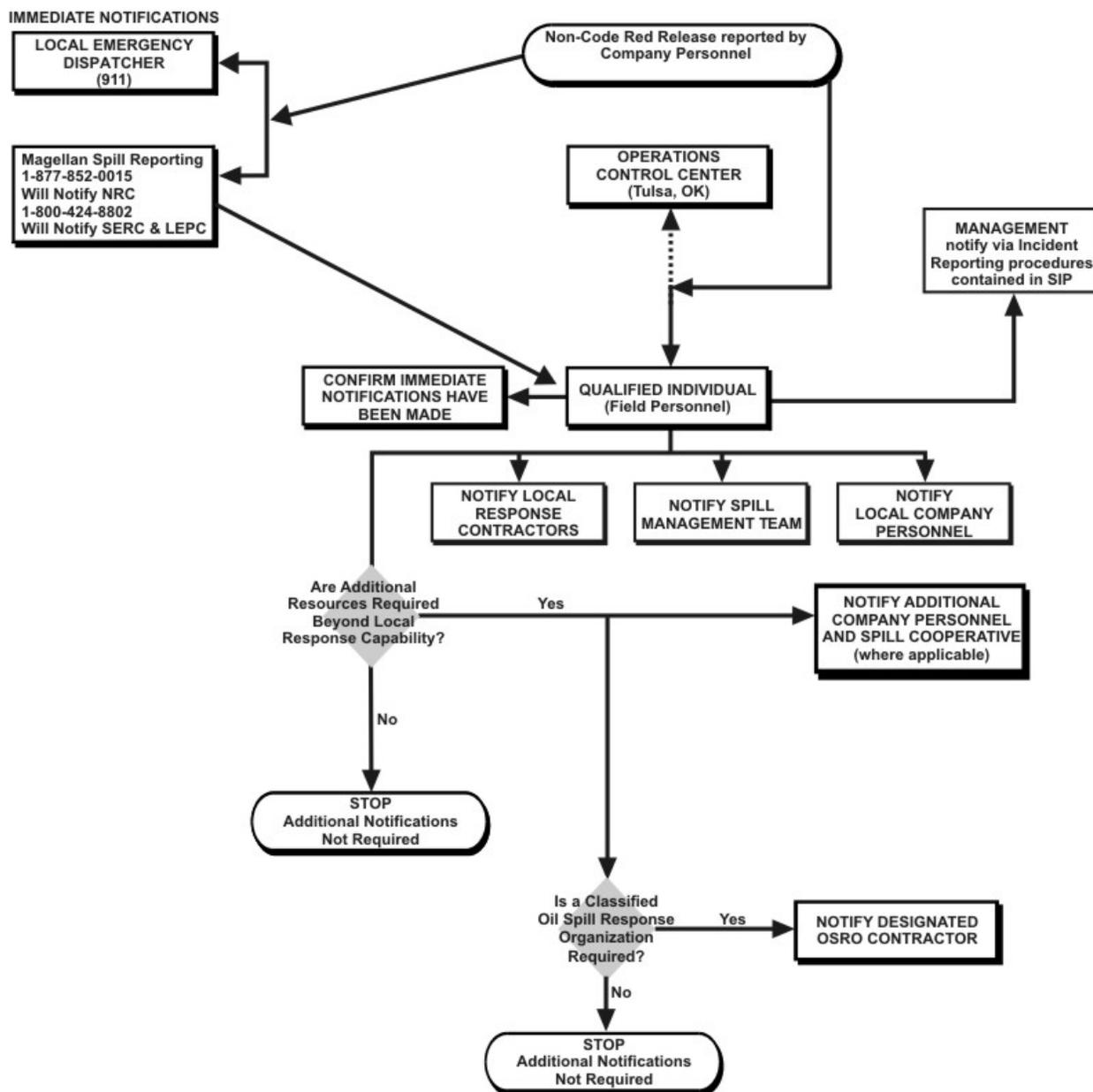


FIGURE 3.1-2 - RELEASE / SPILL REPORT FORM

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

Material:	<input type="text"/>	Estimated Released	<input type="text"/> 0 (gallons)
CHRIS Code	<input type="text"/>	Estimated Discharge to Water	<input type="text"/> 0 (gallons)
		Estimated Free Liquids Recovered	<input type="text"/> 0 (gallons)
*Released to:	<input type="text"/>	Estimated Amount Recovered Soil	<input type="text"/> 0 (gallons)
		Estimated Total Amount Recovered	<input type="text"/> 0 (gallons)
Define Other:	<input type="text"/>	Estimated Amount Not Recovered	<input type="text"/> 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 <input type="checkbox"/>							
SERC <input type="checkbox"/>							
	Was a written report requested?			Time Frame	<input type="text"/> Days		
TNRCC <input type="checkbox"/>							
	If a written report is requested, do not provide it. Contact Environmental Specialist.						
LEPC <input type="checkbox"/>							
Other <input type="checkbox"/>							

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)

Midwest District

Page 3 - 6

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:	<input type="text"/>	Discover Time:	<input type="text"/>		
Release Verified:	<input type="text"/>	Verification Time:	<input type="text"/>	Release Stop Time:	<input type="text"/>
BU:	<input type="text"/>	District:	<input type="text"/>	Area:	<input type="text"/>
Area Supervisor:	<input type="text"/>	Asset Integrity Contact:	<input type="text"/>		
(COM/Maint Supervisor)					
Address of Release:	<input type="text"/>			City:	<input type="text"/>
Distance from Nearest City:	<input type="text"/>	County:	<input type="text"/>	Zip Code:	<input type="text"/>
Caller's E-mail Address:	<input type="text"/>			Provide spelling of e-mail address.	
Suspected Responsible Party (if other than Magellan) Address	<input type="text"/>				
Pipeline Address:					
Section	<input type="text"/>	Township	<input type="text"/>	Range	<input type="text"/>
		Milepost	<input type="text"/>	Tract #	<input type="text"/>
		Latitude	<input type="text"/>	Longitude	<input type="text"/>
Engineering Stationing Number:	<input type="text"/>				
Origin of Release:	<input type="text"/>				
Cause (pre-investigation) Check all that apply:					
<input type="checkbox"/> Third Party Damage	<input type="checkbox"/> Human Error - Contractor	<input type="checkbox"/> Equipment Failure			
<input type="checkbox"/> Internal Corrosion	<input type="checkbox"/> Human Error - Company Personnel	<input type="checkbox"/> Unknown			
<input type="checkbox"/> External Corrosion	<input type="checkbox"/> Human Error - Driver	<input type="checkbox"/> Other			
<input type="checkbox"/> Natural Forces	<input type="checkbox"/> Pipe or Weld Failure - 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* 06/16/08Magellan 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		
Jeffrey Myers Mgr Operations I	913/310-7730 (Office) (b) (6) (Home) (Mobile)	
Paul Shive Supv Area	319/354-0253 (Office) (b) (6) (Home) (Mobile)	
Larry Smith Mgr Operations II	913/310-7713 (Office) (b) (6) (Home)	

	(b) (6) (Mobile)	
Jeffrey Binstock Supv Area	303/344-1511 (Office) (b) (6) (Home) (Mobile)	
Rick Bondy Supv Environmental	918/574-7363 (Office) (b) (6) (Home) (Mobile)	
James Chandlee Coord Ops & Maintenance	620/365-5886 (Office) (b) (6) (Home) (Mobile)	
Dennis Crawford Safety Specialist	918/574-7419 (Office) (b) (6) (Home) (Mobile)	
Ryan Glazebrook Control Systems Specialist III	303/344-1511 (Office) (b) (6) (Home) (Mobile)	
Tristan Grover Environmental Specialist Sr	515/276-0547 (Office) (b) (6) (Home) (Mobile)	
Kevan Heil Supv Area	913/647-8407 (Office) (b) (6) (Home) (Mobile)	
William Hocker Coord Ops & Maintenance	316/778-1798 (Office) (b) (6) (Home) (Mobile)	
Jon Jacobs Supv Area	913/310-7721 (Office) (b) (6) (Home) (Mobile)	
Harold Johnson Coord Ops & Maintenance	402/677-7108 (Office) (b) (6) (Home)	

(Mobile)

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

Midwest District

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FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
A. COMPANY PERSONNEL		
Michael Kennedy Coord Ops & Maintenance	641/420-5010 (Office) (b) (6) Home (Mobile)	
Mike Orr Supv Asset Integrity II	918/574-7583 (Office) (b) (6) Home (Mobile)	
Steven Steward Supv Area	515/261-6604 (Office) (b) (6) Home (Mobile)	
Steve Turley Technician II	620/872-2086 (Office) (b) (6) Home (Mobile)	
Donald Vaughan Damage Prev Maint Operator USW	913/647-8423 (Office) (b) (6) Home (Mobile)	
Ryan Anderson Supv Operations I	605/343-9764 (Office) (b) (6) Home (Mobile)	
Cody Annis Supv Area	316/321-6380 (Office) (b) (6) Home (Mobile)	
Ray Haworth Supv Area	303/286-6400 (Office) (b) (6) Home	

	(b) (6) (Mobile)	
Steven Hill Technician Sr	309/473-3031 (Office) (b) (6) (Home) (Mobile)	
Frank Lynch Supv Area	402/342-5476 (Office) (b) (6) (Home) (Mobile)	
Alan Manke Technician Sr	316/321-6380 (Office) (b) (6) (Home) (Mobile)	
Ed Osius Supv Area	402/786-4022 (Office) (b) (6) (Home) (Mobile)	
Greg Peck Safety Specialist	918/574-7719 (Office) (b) (6) (Home) (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		
Joshua Pellegrin Supv Operations II	515/261-6603 (Office) (b) (6) (Home) (Mobile)	
Bradley Sandy Supv Asset Integrity II	515/261-6610 (Office) (b) (6) (Home) (Mobile)	
Brian Sieben Environmental Specialist Sr	913/310-7731 (Office) (b) (6) (Home)	

	(b) (6) (Mobile)	
Greg Tarr Supv Asset Integrity II	913/647-8422 (Office) (b) (6) (Home) (Mobile)	
Mark Webster Environmental Specialist Sr	918/574-7728 (Office) (b) (6) (Mobile)	
Harry Wilhoit Technician Sr	816/675-2210 (Office) (b) (6) (Mobile) (800) 443-7243 ID# 002595 (Pager)	
Bruce Heine Dir Government & Media Affairs	918/574-7010 (Office) (b) (6) (Home) (Mobile)	
Rodger Teasdale Supv Area	515/276-0627 (Office) (b) (6) (Home) (Mobile)	
Scott Benik Environmental Specialist Sr	651/635-4266 (Office) (b) (6) (Home) (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 - Colorado		
County		
Colorado Public Works Utilities Commission	(303) 894-2000	
Colorado State Patrol - Homeland Security Section	(800) 368-6498	
Colorado Wildlife Division	(303)239-3600	
Colorado Department of Public Health and the Environment (CDPHE)	(877) 518-5608*	
Colorado Emergency Planning Commission	(303) 692-3020*	
Colorado Highway Patrol	(303) 239-4501*	
Oil Inspection Section Colorado Department of Labor and Employment	303-318-8508	
County Agencies - Colorado		
Adams County		
S. Adams County Fire Dept.	(303) 288-0835	
Adams Co. LEPC	720-523-6602	
Denver International Airport Communications Center(or Janell Barrileaux)	303-342-4200 303-342-2730	
Local Emergency Planning Commission	(303) 289-5441	
Tri-County Health Dept. (Adams, Arapahoe, Douglas)	(303) 288-6816	
Adams Co. Sheriff	(303) 288-1535	
Adams County Sheriff	911* (303) 654-1850	
Arapahoe County		
Arvada Treatment Center Aurora, CO	(303) 431-4826 (719) 598-9735	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Colorado		
Arapahoe County		
The Medical Center of Aurora	(303) 695-2628 (303) 695-2600	
Aurora Fire Department	(303) 627-3135	
Buckley AFB Fire Department	720-847-9929	
Arapaho Co. Sheriff Department	(303) 795-4711	
Arapahoe County Sheriff	911* (303) 795-4711	
Aurora Police Department	(303) 627-3135	
Cheyenne County		
Cheyenne Fire & Rescue	(307) 635-4186*	
Cheyenne Co. LEPC	(719) 767-5633	
Cheyenne Co. Sheriff Department	(719) 767-5633	
Denver County		
Denver Fire Department	(720) 913-2400	
Denver Co. LEPC	(720) 865-7600	
Denver Police Department 911 dispatch	(720) 913-2000	
Douglas County		
Douglas County Sheriff Public Safety Dispatcher for Entire county	911* (303) 660-7505	
El Paso County		
Colorado Springs Fire Dispatch	719-444-7623	
Public Safety Dispatch	911* (719) 390-5555	

Elbert County		
Elbert Fire Rescue	(303) 648-3000	
Kiowa Fire Protection District PO Box 321- 403 County Road 45 Kiowa CO 80117	303-621-2233 (Station)	
Elbert Co. LEPC	(303) 805-6131	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Colorado		
Elbert County		
Elbert Co. Sheriff Department	(303) 621-2027	
Kit Carson County		
Kit Carson Co. LEPC	(719) 346-8538	
Kit Carson Co. Sheriff Department	(719) 346-9325	
Larimer County		
Larimer County Public Safety Dispatch	911* (970) 221-6545	
Lincoln County		
Lincoln Co. LEPC	(719) 743-2810	
Lincoln Co. Sheriff Department	(719) 743-2427 (719) 743-2846	
Weld County		
Weld County Public Safety Dispatch	911* (970) 346-6819	
State Agencies - Iowa		
Decatur County		
Iowa State Highway Patrol District #2	(641) 342-2108	

Madison County		
Iowa State Highway Patrol District #2	(641) 342-2108	
Iowa Department of Natural Resources (for chemical spills) 24-hour reporting hotline for SERC	(515) 281-8694*	
Iowa Department of Transportation - Office of Maintenance Attn: John Haas	(b) (6) Cell	
Iowa State Department of Public Safety	(515) 725-6182*	
Iowa State Emergency Management	(515) 725-3231	
Iowa State Patrol/Communications	(515) 725-6090 515-323-4360*	
Polk County		
Iowa Department of Natural Resources (for chemical spills) 24-hour reporting hotline for SERC	515-281-8694	
Iowa Department of Transportation - Office of Maintenance	515-239-1040 515-460-1249	
Iowa State Department of Public Safety	515-323-4360	
Iowa State Emergency Management	515-281-3231 515-725-3231	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
State Agencies - Iowa		
Polk County		
Iowa State Patrol - Communications	515-725-6090	
Ringgold County		
Iowa State Highway Patrol District #2	(641) 342-2108	
Union County		

Iowa State Highway Patrol District #2	(641) 342-2108	
Warren County		
Iowa State Highway Patrol District #2	(641) 342-2108	
County Agencies - Iowa		
Cherokee County		
Cherokee LEPC	712-225-6721	
Cherokee Co. Sheriff Department 911 Dispatch Center for County Emergency Agencies	(712) 225-6728*	
Clarke County		
Osceola Fire Marshall	(641) 342-2914 641-414-0805	
Weldon Fire Department	641-342-2914 641-445-5411	
Clarke Co. LEPC	(641) 342-6654	
Clarke Co. Sheriff Department	(641) 342-2914	
Iowa State Highway Ptrol	641-342-2108	
Clay County		
Clay LEPC	218-299-7357	
Clay Co. Sheriff Department 911 Dispatch Center for County Emergency Agencies	(712) 262-2151	
Decatur County		
Grand River Fire Department	(641) 773-5423 641-446-4111	
Lamoni Fire Department	(641) 784-6251 641-442-5181	
Davis City Fire Department	(641) 446-4111 641-442-2542	
Decatur Co. LEPC	(641) 446-7307	
Decatur Co. Sheriff Department	(641) 446-4111*	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Iowa		
Decatur County		
Iowa State Highway Patrol District 2	641-342-2108	
Lamoni Police Department	(641) 784-8711 641-784-3700	
Dickinson County		
Dickinson Co. LEPC	(712) 336-2525*	
Dickinson Co. Sheriff Department 911 Dispatch Center for County Emergency Agencies	(712) 336-2525	
Lyon County		
Lyon County LEPC	712-472-8330	
Lyon Co. Sheriff Department 911 Dispatch Center for County Emergency Agencies	(712) 472-2521	
Madison County		
Madison Co. Homeland Security Coordinator	(515) 462-3292 (515) 462-3575	
Madison Co. LEPC	(515) 462-3292 (515) 462-3575	
Iowa State Highway Patrol District 2	641-342-2108	
Madison Co. Sheriff Department	(515) 462-3575*	
Mills County		
Mills County Emergency Management Agency	712-527-3643 (712) 527-4844	
Mills County LEPC	712-527-3643	
Mills County Sheriff 911 Dispatch Center for County	(712) 527-4871	

Emergency Agencies		
Monona County		
Monona County LEPC	712-433-1294	
Monona Co. Sheriff Department Dispatches for entire county	(712) 433-1414 (712) 423-2525	
O'Brien County		
O'Brien County LEPC	712-757-4305	
O'Brien Co. Sheriff Department	(712) 757-3415*	
Plymouth County		
Plymouth Co. Sheriff Department (Also LEPC Contact) 911 Dispatch Center for County Emergency Agencies	(712) 546-8191*	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Iowa		
Plymouth County		
Remsen Police Department	(712) 786-2299	
Polk County		
Iowa Methodist Medical Center Hospital	(515) 241-6212*	
Mercy Medical Center Des Moines	(515) 247-3121*	
Altoona Fire Department	(515) 967-2216	
Des Moines Fire Dept/ Fire Marshall	515-979-3710	
Pleasant Hill Fire Department	(515) 262-9360* 515-286-3333	
Des Moines Hazardous Material	(515) 283-4768	

Emergency Management Division (LEPC)	(515) 286-2107	
Polk County Emergency Management	515-286-2107	
Altoona Police Administration	(515) 967-5132 515-967-5131	
Des Moines Police Department	(515) 283-4800 515-283-4824	
Pleasant Hill Police Department	(515) 265-1445	
Polk Co. Sheriff Department	(515) 286-3333* (515) 286-3800	
Pottawattamie County		
Pottawattamie County LEPC	712-328-5777	
Pottawattamie Co. Sheriff Department 911 Dispatch Center for County Emergency Agencies	(712) 328-5737*	
Ringgold County		
Diagonal Fire Department	(641) 734-5491	
Ellston Fire Department	(515) 371-7564	
Kellerton Fire Department	(641) 783-2321	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Iowa		
Ringgold County		
Ringgold County LEPC	641-464-3921 641-464-3232	
Iowa State Highway Patrol District 2	641-342-2108	
Ringgold Co. Sheriff Department	(641) 464-3921*	

Sioux County		
Sioux County LEPC	712-737-4010	
Sioux Co. Sheriff Department 911 Dispatch Center for County Emergency Agencies	(712) 737-2280* 712-737-3307	
Union County		
Union County LEPC	(641) 782-1622 641-782-1912	
Creston Fire Department	(641) 782-5610	
Lorimor Fire Department	(641) 763-2273 (641) 763-2888	
Creston Police Department	(641) 782-8402	
Iowa State Highway Patrol District 2	641-342-2108	
Union Co. Sheriff Department	(641) 782-7717* 641-782-8402	
Warren County		
Carlisle Fire Department	(515) 989-3311	
Indianola City Fire Department Office	(515) 961-9405	
Martensdale Fire Department	(641) 764-2977	
Milo Fire Department	(641) 942-6617	
New Virginia Fire Department	515-961-1122 (641) 201-0454	
Saint Mary's Fire Department	515-961-1122 515-297-2122	
Warren Co. Homeland Security Coordinator	515-961-1105 (515) 961-1093	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Iowa		
Warren County		
Warren Co. LEPC	(515) 961-1105 515-961-1093	
Indianola Police Department	(515) 961-9400*	
Iowa State Highway Patrol District 2	641-342-2108	
Warren Co. Sheriff Department	(515) 961-1122*	
Woodbury County		
Sioux City Fire Marshall	(712) 279-6370 712-279-6376	
Woodbury Co. LEPC	(712) 876-2212	
Woodbury Co. Sheriff Department 911 Dispatch Center for County Emergency Agencies	(712) 279-6960 712-279-6357 712-279-6187	
State Agencies - Kansas		
Atchison County		
Kansas Highway Patrol (Troop B)	785-296-3102	
Kansas Highway Patrol Troop B	(913) 367-6565	
Doniphan County		
Kansas State Highway Patrol Troop B	(785) 296-3102	
Douglas County		
Kansas Highway Patrol (Troop B)	785-296-3102	
Jefferson County		
Kansas Highway Patrol (Troop B)	785-296-3102	
Johnson County		
Kansas Highway Patrol (Troop A)	913-782-8100	
Leavenworth County		
Kansas State Highway Patrol Troop A	(913) 782-8100	

DOT Kansas Office of Pipeline Safety	(816) 329-3800	
Kansas Bureau of Environmental Remediation	(316) 337-6020	
Kansas Department of Health and Environment	(785) 296-1679* 316-337-6020	
Kansas Department of Wildlife and Parks	(785) 273-6740 (316) 672-5911	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
State Agencies - Kansas		
Kansas Division of Emergency Management (SERC)	(800) 905-7521 (785) 296-3176* (Pager of Staff on Duty)	
Kansas Highway Patrol (Troop B)	785-296-3102 785-493-0361	
Kansas Highway Patrol Troop B	785-296-3102	
Kansas State Fire Marshall	(785) 296-3401 866-KHAZMAT 866-542-9628	
Kansas State Highway Patrol Troop B (Osage County)	(785) 296-3102	
Osage County		
Kansas Highway Patrol (Troop B)	785-296-3102	
Shawnee County		
Kansas State Highway Patrol Troop B	(785) 296-3102	
County Agencies - Kansas		
Anderson County		

Anderson County Emergency Management	785-448-6797	
Anderson County Sheriff	785-448-5678	
Atchison County		
Atchison Co. LEPC	(913) 833-4025 913-367-4323	
Atchison Co. Sheriff Department	(913) 367-0216* 911	
Atchison Police Department 911 dispatch for county	(913) 367-4323	
Kansas Highway Patrol Troop B	785-296-3102	
Barton County		
Barton Co. Fire Department	620-793-1920 (620) 793-4140	
Barton Co. LEPC	(620) 793-1919 (620) 793-1922*	
Barton Co. Highway Patrol	620-792-5700	
Barton Co. Police Department	(620) 793-4120	
Barton Co. Sheriff Department	(620) 793-1920	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Kansas		
Brown County		
Hiawatha Fire District #3	785-742-7125	
Robinson Fire District #1	(785) 742-9610	
Brown Co. LEPC	785-742-7125	

Brown County Emergency Management	785-742-7871	
Brown Co. Sheriff Department	(785) 742-7125*	
Kansas Highway Patrol Troop B	785-296-3102	
Butler County		
El Dorado Ambulance	(316) 322-4398	
Augusta Fire Department	(316) 775-4500	
El Dorado Fire Department	(316) 322-4398 (emergency) (316) 321-9100	
Holly/Frontier Refinery Fire Department	(316) 321-2200	
Towanda Volunteer Fire Department	(316) 541-2373	
Butler Co. LEPC	(316) 733-9796	
Augusta Police Department	(316) 775-4500	
Butler Co. Sheriff Department	(316) 321-1650	
El Dorado Police Department	(316) 321-9100* (316) 321-9120 (316) 322-4398 (emergency)	
Towanda Police Department	316-541-2373	
Chase County		
Chase Co. LEPC	(620) 273-6313*	
Chase Co. Sheriff Department & Detention Center	(620) 273-6313* (Dial 1)	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
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Recommended, Continued		
County Agencies - Kansas		
Chautauqua County		
Chautauqua Co. LEPC	(620) 725-3109	
Chautauqua Co. Sheriff Department	(620) 725-3108*	
Cowley County		
Cowley Co. LEPC	(620) 221-0470	
Cowley Co. Sheriff Department	(620) 221-5444* 620-221-5555 620-441-4444	
Doniphan County		
Atchison Community Hospital	(913) 367-2131	
Heartland Regional Medical Center	(816) 271-6000*	
Doniphan FD #2	785-359-3544	
Doniphan Fire Department #1 Wathena Terminal	(785) 985-3544	
Doniphan Fire Department #3	(785) 359-6788	
Doniphan Fire Department #4	(816) 262-2067	
Doniphan Fire Department #5	(785) 985-3553	
Doniphan Co. LEPC	(785) 985-2229	
Doniphan County Emergency Management	785-985-2229	
Doniphan Co. Sheriff Department	(785) 985-3711* 911 913-985-3543	
Elwood Police Department	913-365-5060	
Kansas Highway Patrol Troop B	785-296-3102	
Wathena Police Department	785-989-4521	
Douglas County		
Hiawatha Hospital	(785) 742-2131	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Kansas		
Douglas County		
Lawrence Memorial Hospital	(785) 749-6100	
Kanawaka Township Fire Department	(785) 887-6511	
Lawrence/Douglas Co. Fire & Medical	(785) 830-7000	
Lecompton Fire & Rescue	785-843-0250	
Douglas Co. LEPC	(785) 832-5259	
Douglas County Emergency Management	785-832-5259	
Douglas Co. Sheriff Department	(785) 841-0007* 785-832-7600	
Kansas Highway Patrol Troop B	785-296-3102	
Lawrence Police Department	(785) 830-7400* 785-932-7600	
Greenwood County		
Greenwood Co. LEPC	(620) 583-5568* (620) 583-5611	
Greenwood Co. Sheriff Department	(620) 583-5568*	
Harvey County		
Harvey Co. LEPC	(316) 283-4190	
Harvey Co. Sheriff Department	(316) 284-6960	
Hodgeman County		
Jetmore Fire Department	(620) 357-8391	

Hodgeman Co. LEPC	(620) 357-8346	
Hodgeman Co. Sheriff Department	(620) 357-8391	
Jetmore Police Department	(620) 357-8391	
Jackson County		
Jackson Co. Sheriff Department	(816) 524-4300* (816) 524-4302	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Kansas		
Jackson County		
Kansas City, KS Police Department	(913) 596-3000*	
Jefferson County		
Fairview Township Fire Department	(785) 608-4507 785-876-2300	
Jefferson Township #10 Fire Department	(913) 774-8302	
Kentucky Township Fire Department	(785) 597-5904	
Oskaloosa Fire Dept.	(785) 863-2247	
Jefferson Co. LEPC	(785) 863-2351*	
Jefferson County Emergency Management	785-863-2096	
Jefferson Co. Sheriff Department	(785) 863-2765* 785-863-2351	
Kansas Highway Patrol Troop B	785-296-3102	
Johnson County		
Olathe Medical Center	(913) 791-4357 (913) 791-4200*	

Leawood Fire Department	(913) 339-6700 913-681-6788	
Lenexa Fire Department	913-888-6380	
Olathe Fire Department	(913) 971-6333	
Overland Park Fire Department	(913) 888-6066	
S. Johnson Co. Fire District #2	(913) 681-2764	
S. Johnson Co. Fire District #2 Rural	(913) 681-2764	
Shawnee Fire Department	(913) 631-1080	
Johnson Co. Emergency Communications	(913) 432-2121	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Kansas		
Johnson County		
Johnson Co. LEPC	(913) 782-3038	
Johnson County Emergency Management	913-782-3038	
Johnson Co. Sheriff Department (Administration)	(913) 782-0720* (913)791-5800	
Kansas Highway Patrol Troop A	913-782-8100	
Leawood Police Department	(913) 642-5555 913-642-7700	
Lenexa Police Department	(913) 477-7500	
Olathe Police Department	(913) 971-7500	

Overland Park Police Department	(913) 327-6937 913-895-6300	
Shawnee Police Department	(913) 631-6389 913-631-2155	
Lane County		
Dighton Fire Department	(620) 397-2544	
Lane Co. LEPC	(620) 397-5172	
Lane Co. Sheriff Department	(620) 397-2452	
Leavenworth County		
Delaware Township Fire Department KSFFA	(913) 727-5844	
Easton Fire Department	(913) 773-5504	
Easton Township Fire Department	(913) 773-5504	
Fairmont Township Fire Department	(913) 724-4911	
Leavenworth Fire Department KSFFA	(913) 682-3346	
Reno Township Fire Department	(913) 301-3498	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Kansas		
Leavenworth County		
Stranger Township Fire Department	(913) 369-9304	
Leavenworth City LEPC/Emergency Management	913-680-2677	
Kansas Highway Patrol Troop A	913-782-8100	
Leavenworth Co. Sheriff Department	(913) 682-5724* 913-758-4042	

	(dispatch console)	
Logan County		
Logan Co. LEPC	(785) 671-8918	
Logan Co. Sheriff Department	(785) 671-3288	
McPherson County		
McPherson County Communications Center Dispatches for entire county	(620) 245-1266 620-245-1267	
McPherson County LEPC	(620) 245-1260	
McPherson Co. Sheriff Department	(620) 245-1267	
Ness County		
Ness Co. LEPC	(785) 798-3349	
Ness Co. Sheriff Department	(785) 798-3611	
Osage County		
Burlingame Fire Department	785-654-2407	
Burlingame Fire Department #2	(785) 654-2407	
Carbondale Fire Department #1	(785) 828-3121	
Osage City Fire Department #2	(785) 528-3128 785-231-7771	
Osage County Emergency Manager	785-828-3323	
Osage Co. LEPC	(785) 828-3121*	
Osage Co. Sheriff Department	(785) 828-3121*	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED

Recommended, Continued**County Agencies - Kansas****Pawnee County**

Pawnee Co. LEPC	(620) 285-8966	
Pawnee Co. Sheriff Department	(620) 285-2211 (620) 285-3506	

Reno County

Hutchinson Fire Department	(620) 694-2871	
Regional Hazmat Planner	(316) 660-5971	
Reno Co. LEPC	(620) 694-2974	
Reno County 911 Center	(620) 694-2800	
Reno Co. Sheriff Department	(620) 694-2974 (620) 694-2735	

Rush County

Rush Co. LEPC	(785) 222-2578*	
Rush Co. Sheriff Department	(785) 222-2578*	

Scott County

Scott City Fire Department	(620) 872-5805	
Scott Co. LEPC	(620) 872-5805*	
Scott Co. Sheriff Department	(620) 872-5805*	

Sedgwick County

Columbia Wesley Medical Center	(316) 962-2000*	
St. Francis Regional Medical Center	(316) 268-5000	
St. Joseph Medical Center	(316) 685-1111*	
Via Christi Regional Medical Center	(316) 268-5050 (316) 689-5003 (316) 796-7050 (open August 2010)	
Wichita Dispatch Center	(316) 263-6011	

Sedgwick Co. LEPC	(316) 660-5959	
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FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Kansas		
Sedgwick County		
Sedgwick Co. Sheriff Department	(316) 660-3900 316-263-6011	
Valley Center Police Department	(316) 755-7300	
Shawnee County		
St. Francis Hospital / Medical Center	(785) 295-8000*	
Starmont - Vail Regional Medical Center	(785) 354-6000	
Tecumseh Fire Department	(785) 379-0566	
Shawnee Co. LEPC	(785) 368-9300 785-233-8200 911	
Shawnee Co. Sheriff Department	(785) 368-9300* 911 785-368-2200	
Stafford County		
Stafford Co. LEPC	(620) 549-3765	
Stafford Co. Sheriff Department	(620) 549-3247*	
Wallace County		
Wallace Co. LEPC	(785) 852-4288*	
Wallace Co. Sheriff Department	(785) 852-4288*	
Wichita County		
Wichita Co. LEPC	(620) 375-2723	

Wichita Co. Sheriff Department	(620) 375-2723	
Wyandotte County		
Atchison Hospital	(913) 367-2131	
Kansas University Medical Center	(913) 588-5000 (Switchboard) (913) 588-6500	
Providence Medical Center	(913) 281-8400 913-596-4000	
Bonner Springs	(913) 422-5734 913-208-6094	
Kansas City Fire Department	913-573-5550	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Kansas		
Wyandotte County		
Kansas City, KS Fire Marshall	(913) 573-5550 (913) 596-3050	
Kansas City, MO Fire Marshall	(816) 784-9100 (816) 513-0900 Dispatch	
Wyandotte Co. Fire Marshall	(913) 573-5550 (913) 573-5556 Fire Prevention	
Wyandotte Co. LEPC	(913) 573-6300 (913) 596-3050 (24-hr Fire Dispatch)	
Wyandotte County Emergency Management	913-573-6300	

Kansas City, KS Police	(913) 596-3000* 913-573-8750	
Kansas Highway Patrol Troop A	913-782-8100	
Wyandotte Co. Sheriff Department	(913) 573-2861* 911	
State Agencies - Missouri		
Clay County		
Missouri Highway Patrol (Troop A)	816-622-0800	
Missouri State Highway Patrol Troop A	(816) 622-0800	
Clinton County		
Missouri State Highway Patrol (troop H)	816-387-2345	
Missouri State Highway Patrol Troop F	(573) 751-1000	
Daviess County		
Missouri State Highway Patrol (Troop H)	660-387-2345	
Missouri State Highway Patrol Troop H	(660) 387-2345	
De Kalb County		
Missouri State Highway Patrol (Troop H)	816-387-2345	
Missouri State Highway Patrol Troop H	(816) 387-2345	
Gentry County		
Missouri State Highway Patrol (Troop H)	816-387-2345	
Missouri State Highway Patrol Troop H	(816) 387-2345	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
State Agencies - Missouri		

Harrison County		
Missouri State Highway Patrol (Troop H)	660-387-2345	
Missouri State Highway Patrol Troop H	(660) 387-2345	
Jackson County		
Missouri State Highway Patrol (Troop A)	816-622-0800	
Nodaway County		
Missouri State Highway Patrol Troop H	(660) 387-2345	
Missouri Department of Conservation	(573) 751-4115	
Missouri Department of Natural Resources	(573) 634-2436*	
Missouri Emergency Response Commission (SERC)	(800) 780-1014* (573) 526-9240	
Missouri State Fire Marshall	(573) 751-2930 (800) 877-5688	
Missouri State Highway Patrol	660-385-2132	
County Agencies - Missouri		
Andrew County		
King City Fire Department	(660) 535-4336	
Rosendale Fire District	816-567-3209	
Savannah Rural Fire District	816-324-7533	
Andrew Co. LEPC	(816) 324-4114* 816-324-5023	
Andrew Co. Sheriff Department	(816) 324-4114 911 816-383-0604	
Missouri State Highway Patrol Troop H	816-387-2345	
Buchanan County		
Buchanan County Emergency Management	816-271-1574 816-383-0604	
Buchanan County Sheriff Department	816-236-8803	

Clay County		
Cameron Regional Medical Center	(816) 632-2101	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Missouri		
Clay County		
Heartland Regional Medical Center	(816) 271-7111	
Northwest Medical Center	(660) 726-3941	
St. Luke Northland Hospital	(816) 532-3700	
Western Missouri Medical Center	(660) 747-2500	
KCMO Fire Department	(816) 784-9200	
Riverside (South Platt) Fire Protection District	(816) 741-1191* (816) 741-2121* 816-741-2900	
Smithville Area Fire Protection District	(816) 532-4902	
Clay Co LEPC	(816) 407-3732	
Clay Co. Sheriff Department	(816) 407-3750* 911 816-674-9714	
KCMO Police Department N. Patrol	(816) 234-5000 816-234-5111	
Missouri Highway Patrol Troop A	816-622-0800	
North Kansas City Police Department	(816) 274-6013*	
Riverside Police Department	(816) 741-1501 916-741-1191	

Clinton County		
Edgerton Fire District	(816) 790-3362 816-616-4620	
Holt Fire District	(816) 320-3612 816-930-3778	
Lathrop Fire District	(816) 740-3615	
Osborn Fire District	(816) 675-2200	
Plattsburg Fire District	(816) 539-3412 816-592-0130	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Missouri		
Clinton County		
Clinton Co. LEPC	(816) 539-2156* 816-539-2144	
Clinton Co. Sheriff Department	(816) 930-3778* 816-539-2156	
Missouri Highway Patrol Troop H	660-387-2345	
Daviness County		
Pattonsburg Fire District	(660) 367-4412	
Pattonsburg MO Fire Department	(660) 367-4412* 911	
Daviness Co. Central Emergency	(660) 663-4252	
Daviness Co. LEPC	(660) 663-2011 660-663-2641	

Daviess Co. Sheriff Department	(660) 663-2031* 911	
Missouri Highway Patrol Troop H	660-387-2345	
De Kalb County		
Cameron Fire District	(816) 632-2345	
Central DeKalb Fire District	(660) 449-5163	
Osborn Fire District	(816) 675-2200	
DeKalb Co LEPC	(816) 675-2200	
DeKalb Co. Sheriff Department	(816) 449-5802* 911	
Missouri Highway Patrol Troop H	660-387-2345	
Gentry County		
Albany Fire District	(660) 726-3223	
Stanberry Fire District	(660) 783-2023	
Gentry Co. Emergency Dispatcher	(660) 726-4234	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Missouri		
Gentry County		
Gentry Co. LEPC	(660) 562-3721 660-562-4066	
Gentry Co. Sheriff Department	(660) 726-3721* 911	
Missouri Highway Patrol Troop H	660-387-2345	

Harrison County		
Bethany Fire District	(660) 425-7912	
Eagleville Volunteer Fire Department	(660) 867-5506	
New Hampton Fire District	(660) 439-2547	
Ridgeway Fire District	(660) 872-6414	
Harrison Co. LEPC	(660) 425-6790	
Harrison Co. Sheriff Department	(660) 425-3199* 911	
Missouri Highway Patrol Troop H	660-387-2345	
Jackson County		
KCMO Fire Department	816-784-9044	
KCMO Emergency Management	816-784-9040	
KCMO Police South Patrol Division	816-234-5550	
Missouri Highway Patrol Troop A	816-622-0800	
Nodaway County		
Nodaway Co. LEPC	(660) 582-3209	
Missouri Highway Patrol Troop H	660-387-2345	
Nodaway Co. Sheriff Department	(660) 582-7451* 911	
Women & Children's Hospital	(573) 875-9000	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

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

Platte County		
KCMO Fire Department	(816) 784-9044	
Riverside Fire Department	(816) 741-1191	
Southern Platte Fire District	(816) 924-0600	
KCI Airport Police	(816) 243-5215	
KCI Operations	(816) 243-5248	
Mid-America Regional Council	(816) 474-4240	
Riverside LEPC	(816) 741-1191	
Parkville Police Department	(816) 741-4454 816-858-3521	
Platte Co. Sheriff Department	(816) 858-3521* 911 816-858-2424	
Riverside Police Department	(816) 741-1191	
Worth County		
Worth Co. LEPC (Court House)	(660) 564-2219 (660) 582-0315 (660) 564-3544	
Worth County Emergency Management	660-564-3504	
Missouri Highway Patrol Troop H	660-387-2345	
Worth County Sheriff's Department	660-564-2222	
State Agencies - Nebraska		
Hall County		
Nebraska State Patrol	(308) 385-6000	
Hamilton County		
Nebraska State Patrol	(308) 385-6000	
Lancaster County		
Nebraska State Patrol	(402) 471-4680	
Nebraska Department of Environmental	(402) 471-2186	

Quality (SERC)	(402) 471-4545 (After Hours)
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FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
State Agencies - Nebraska		
Nebraska Emergency Management Agency NEMA	(402) 471-7421*	
Nebraska Emergency State Patrol	(402) 471-4545* 1 (800) 525-5555	
Nebraska Natural Resources Commission	(402) 471-2363 402-471-2186	
Nebraska State Fire Marshall	(402) 471-2027	
Otoe County		
Nebraska State Patrol	(402) 471-4680	
County Agencies - Nebraska		
Burt County		
Burt Co. LEPC	(402) 719-5736	
Burt County Sheriff Dept Dispatch for county emergency agencies	402-374-2900*	
Cass County		
Cass Co. LEPC	(402) 267-6765	
Cass Co. Sheriff Department Dispatch for county emergency agencies	(402) 296-9370* 701-241-5800	
Douglas County		
Douglas County Emergency Management Agency	(402) 444-5040	
Douglas Co. Sheriff Department Dispatch for county emergency agencies Fire and Ambulance use second number	(402) 444-5802 402-444-5706	
Hall County		

Grand Island 911 Center	(308) 384-9380	
Doniphan Fire Department	(402) 845-6647 402-845-2222	
Doniphan Emergency Management	308.390.1148	
Hall Co. LEPC Hall Co. Emergency Management	(308) 385-5362	
Pioneer Seed Company (terminal neighbor)	(402) 744-3271	
Hall Co. Sheriff Department	(308) 385-5200	
Hamilton County		
Giltner Fire Department	(402) 849-2999	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Nebraska		
Hamilton County		
Hamilton Co. LEPC	(402) 694-5126	
Hamilton Co. Sheriff Department	(402) 694-6936*	
Nebraska State Highway Patrol	308-385-6000	
Lancaster County		
Bryan LGH East Medical Center	(402) 481-1111*	
Bryan LGH West Medical Center	(402) 481-1111*	
Bennet Fire Department	(402) 782-6195	
Hickman Fire Department	(402) 792-2815	
Lincoln Fire and Rescue	(402) 441-8350	

SE Rural Fire Department	(402) 483-6769	
SW Rural Fire Department	(402) 441-6000* 402-423-0230	
Lancaster Co. LEPC	(402) 441-7441 402-441-6000	
Lancaster Co. Sheriff Department Dispatch center	402-441-6000 (402) 441-6500*	
Lincoln Police Department	(402) 441-7204 402-441-6000	
Nebraska State Highway Patrol	402-471-4680	
Nemaha County		
Auburn Fire Department	(402) 274-3517 402-274-3420	
Nemaha Fire Department	(402) 274-3139	
Peru Fire Department	(402) 872-4265	
Nemaha County LEPC	(402) 274-2552 402-274-7652	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - Nebraska		
Nemaha County		
Auburn Police	402-274-4977	
Nebraska State Highway Patrol	402-471-4545	
Nemaha Co. Sheriff Department	(402) 274-3139*	
Saint Elizabeth Regional Medical Center	(402) 219-8000*	

Otoe County		
Nebraska City Fire Department	(402) 873-3900 402-873-3579	
Palmyra Fire Department	(402) 873-9560	
Syracuse Fire Department	(402) 873-9560	
Unadilla Fire Department	(402) 873-9560	
Otoe Co. LEPC	(402) 873-9588	
Nebraska State Highway Patrol	402-471-4680	
Otoe Co. Sheriff Department	(402) 873-9560*	
Richardson County		
Fall City Rural Fire District	(402) 245-4422 402-245-4424	
Stella Fire District	(402)245-4422	
Verdon Fire District	(402) 245-4422	
Richardson Co. LEPC	(402) 245-3054	
Nebraska State Highway Patrol	402-471-4545	
Richardson Co. Sheriff Department	(402) 245-2479*	
Sarpy County		
Sarpy County LEPC Emergency Management	402-593-5955 402-593-5785	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

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

Sarpy County		
Sarpy Co. Sheriff Department Dispatch for county emergency agencies	(402) 593-4111* (402) 593-2288	
Seward County		
Seward Co. Sheriff Department	(402) 643-2359	
Washington County		
Washington Co. LEPC	(402) 719-5736	
Washington Co. Sheriff Department Dispatch for county emergency agencies	(402) 426-6866*	
York County		
York Co. LEPC	(402) 643-4722 (4020) 366-6109 Personal #	
York Co. Sheriff Department	(402) 362-4927*	
Federal Agencies		
American Red Cross - Disasters & Evacuations	202-303-5555	
U.S. Environmental Protection Agency, Region V	(312) 353-2318*	
U.S. Environmental Protection Agency, Region VII	(913) 281-0991* (Spill Line)	
State Agencies - South Dakota		
County		
South Dakota Dept. of Environmental & Natural Resources / Division of Emergency & Disaster Service	(605) 773-3296 (800) 438- 3367	
South Dakota Fusion Center - Homeland Security	(605) 367-5700	
South Dakota Highway Patrol - Homeland Security	(605) 773-3450	
South Dakota Highway Patrol - Hot Springs	(605) 745-5155	
South Dakota Highway Patrol - Rapid City	(605) 394-2286	
Wyoming OSHA	(307) 777-7786	
County Agencies - South Dakota		
Custer County		
Buffalo Gap Fire Dept.	(605) 833-6911	

Custer County Public Safety Dispatch	911* (605) 673-8176	
Fall River County		
Fall River County Public Safety Dispatch	(605) 745-5155 911*	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended, Continued		
County Agencies - South Dakota		
Pennington County		
Pennington County Public Safety Dispatch	(605) 394-4131	
State Agencies - Wyoming		
County		
Wyoming DEQ Reporting Line	(307) 777-7781	
County Agencies - Wyoming		
Converse County		
Douglas Road & Bridge	(307) 358-3602	
Glenrock Road & Bridge	(307) 436-2531	
Converse County Sheriff Office Public Safety Dispatch	(307) 358-4700x2	
Laramie County		
Cheyenne Road & Bridge	(307) 633-4302	
Laramie County Public Safety Dispatch	911* (307) 635-4185	
Natrona County		
Natrona County Sheriff Public Safety Dispatch	(307) 235-8278	
Niobrara County		
Niobrara Public Safety Dispatch	911* (307) 334-2240	

Platte County		
Platte County Road & Bridge (Glendo, Guernsey, Wheatland)	(307) 322-3113	
Platte County Sherriff Public Safety Dispatch	(307) 322-2331	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number test

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended , Continued		
Service Providers		
Barnharts Excavation Chanute, KS	(620) 431-0959	
Belfor Environmental	(303) 425-7526 or (800) 930-0011*	
Bluff Run Landfill Lincoln, NE	(402) 441-8102	
Custom Environmental Services Denver, CO	800-310-7445	
Des Moines Maintenance Crew Des Moines, IA	(515) 261-6696	
Douglas County Landfill Omaha, NE	(402) 238-2970 (402) 238-3457	
Dubuque Metro Area Solid Waste Agency Dubuque, IA	(563) 557-8220*	
Environmental Management Services, Inc.	800-457-1042*	
First Safety- Provider of Safety Personnel 1010 Center Street, Deer Park, TX	281-930-7686 Shanna 832-275-1000 Roy 832-527-9300	
Graber Excavating Newton, KS	(316) 799-2243 316-283-4488	
Grand Island Solid Waste Landfill Shelton, NE	(308) 385-5433	

Holian Industries Spring Grove, IL Asbestos	(815) 675-6683	
Iowa / Illinois Taylor Insulation, Inc. - asbestos contractor	(866) 480-8100 Davenport (800) 292-1280 Hiawatha (866) 397-4496 Dubuque (866) 685-0250 Iowa City	
Mas Tec	(816) 858-3636 (816) 728-1323* Kent Anderson (918) 633-6078* Jim Gerlach	
Merle Kohlmeyer Jasper, MO	(417) 438-3635	
Mid America Pipeline	(918) 341-8008	
Mid-Iowa Environmental (asbestos) Des Moines, IA	(515) 244-5766 (Office) (b) (6) (Mobile-Chris)	
Satellite Shelters - Mobile Office Space www.satelliteco.com	816-918-8485* 816-453-1101 KC 817-571-2166 DAL 281-456-0457	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number test

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended , Continued		
Service Providers		
Seneca Companies, Inc (Sioux City)	800-369-5500*	
United Rentals (Equipment Rentals)	800.877.3687* 24 hour call center	
Vince Myers Welding Cushing, OK	(918) 225-7773 918-346-8498	

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*	
Bay West St. Paul, MN	(800) 279-0456*	
Haz-Mat Response, Inc. Olathe, KS	(800) 229-5252*	
Haz-Mat Response, Inc. North Platte, NE	(800) 229-5252*	
Haz-Mat Response, Inc. Great Bend, KS	(800) 229-5252*	
Heritage Environmental Services Lemont, IL	(800) 487-7455*	
Air monitoring		
Center for Toxicology & Environmental Health	1-866-869-2834* (501) 801-8500	
Nebraska Department Environmental Quality Air monitoring - 6 area raes, 4 mini raes, weather station Lincoln, NE	402-471-2186 (8-5) 402-471-4545 *	
Aviation Companies		
Aircraft Data, Inc. Eldorado, KS	316-258-4100	
Eagle Sky Patrol John Kruse	(605) 584-1188 (Office) (b) (6) (Mobile) (605) 394-7871 (Pager) 605-578-1175 (Office as of 9/09)	
Hawkeye Helicopter	(785) 528-4428 (b) (6) (Alaura Cell No.)	
Environmental Sampling		
Admiral Environmental Services	(847) 228-5355*	

Arlington Heights, IL

Midwest District

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FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number test

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended , Continued		
Environmental Sampling		
Apex Co. LLC	(515) 727-8025	
Test America Environmental Testing	(b) (6) (cell)	
Excavation Contractors		
Albert Hogoboom	316-321-1397	
Barber Sewer and Ditching Brian Barber (Gladstone, MO)	(816) 436-0080 (office) (b) (6) (cell) (816) 792-5350 (E.R.)	
CDH, Inc. Eldorado, KS	316-320-7187	
Exco Excavating (Mt. Vernon, IA) Cliff Haughland	(319) 895-8823 (b) (6) (Mobile) (319) 298-8510 (Pager)	
H.D. Griffin Construction (Carrolton, MO)	(660) 542-1516 (office) (b) (6) (cell)	
J&L Pipeline Service	563-886-1643	
Marlatt Construction (Atchison, KS)	(913) 367-3342*	
Peterson Excavating Kensett, IA	(641) 845-2210	
Russell Sapp Excavating (Russell and Debbie Sapp)	(573) 443-4888 (Office) (b) (6) (Mobile)	

Savage Services Corp. Eldorado, KS	316-321-3184	
Underground NRG, LLC Milford, IA	(712) 332-9600 712-332-9601	
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		
BlackEagle Energy Services Berthoud, CO	970-658-2537 (b) (6) (sales mobile)	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number test

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended , Continued		
Non OSRO spill contractor		
Environmental Management Services Davenport, IA	(800) 457-1042*	
Environmental Solutions, Inc. Omaha, NE	(888) 908-5700* (402) 896-3600	
Fuel Management Solutions 6800 US Hwy 30 Cheyenne, WY CONTRACT PENDING	307-630-2561	
HydroKlean Des Moines, IA	(515) 283-0500*	
Seneca Companies 7241 Gaines Street Court Davenport, IA 52806	(800) 728-6900*	
Seneca Companies (Des Moines)	(800) 369-5500*	

TDS Environmental Torrington, Wyoming 2 hours to Casper, 1:20 to Cheyenne CONTRACT PENDING	307-532-7515 (307) 532-1367 (307) 534-5510 (307) 575-0570	
Transport Companies		
Albert Hogoboom Eldorado, KS	316-321-1397	
Baker Tank South Roxana, IL	(618) 254-8700	
Bosselman's ? Grand Island, NE	877-858-5505	
Davies Oil (Troy, KS)	(816) 279-0887 (785) 985-3553 816-262-1631	
Dick's Oilfield Service (Water Trucks) Great Bend, KS	(620) 793-8561	
Groendyke Eldorado, KS	316-321-6378	
Iowa Tank Lines ? Aurora, NE	800-742-0022	
Kelly Maclaskey Oilfield Service, Inc. El Dorado, KS	(316) 321-9011	
Leon's Tank Service	(785) 483-4069	
Liquid Transport (Greenfield, IN)	(317) 894-2900	
Manito Transport	800-252-6874 217-257-9965 (24-hr #)	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number test

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended , Continued		
Transport Companies		
Robertson-Williams (Kansas City, MO)	(816) 923-0700 (800) 234-8757	
Sully Transport	800-695-3435	

Transport Delivery Company	1-888-288-3294 Dan Simmons (b) (6) (C) (H)	
Warrenton Oil Company (Warrenton, MO)	(636) 456-3346 (Office)	
Willcoxson Transport (Kahoka, MO)	(660) 727-2278	
Wynne Transport (Omaha, NE)	(402) 342-4001 (800) 383-9330*	
Vacuum Truck Services		
4/S Tank Service Ellinwood, KS	(620) 564-3569	
Ace Pipe Cleaning (Kansas City, MO)	(816) 241-2891 (Office)	
Albert Hogoboom Trucking Service El Dorado	(316) 321-1397	
Brakeen Line Cleaning, Inc. Claflin, KS	(620) 587-3351	
Cheyenne Oil Service Russell, KS	(785) 483-6706	
Consolidated Oil Well Service Chanute, KS	612/431-9210	
Ellinwood Tank Service Ellinwood, KS	(620) 564-3251 620-793-0246 620-793-0246	
Enviro-Vac Colorado CONTRACT PENDING	720-281-4500	
Gee Oil Service St. John, KS	(620) 549-3210	
Hertel Tank Service, Inc. Hays, KS	(785) 628-2445	
Keller Tank Service Zurich, KS	(785) 737-2805 785-737-8900	
Leon's Tank Service Russell, KS	(785) 483-4069	

FIGURE 3.1-3 - NOTIFICATIONS AND TELEPHONE NUMBERS, CONTINUED

*24 Hour Number test

AFFILIATION	PHONE NUMBER	TIME CONTACTED
Recommended , Continued		
Vacuum Truck Services		
Nicholas Water Service Zenda, KS	(620) 243-7511 620-930-7511	
Urban Tank Service Claflin, KS	(620) 792-4463	
Veolia ES Special Services, Inc. 2250 N. Church Road Liberty, MO 64068	800-894-2876 816-781-3000	
Waste Management		
Allied Waste	(303) 371-5115	
Barton County Landfill	(620) 793-1898	
Black Hawk County Solid Waste Management Waterloo, IA	(319) 234-8115	
Central Disposal Landfill Lake Mills, IA	(800) 768-3988-fax (641) 592-9182	
Clean Harbors	(970) 386-2293	
Dickinson County Landfill Spirit Lake, IA	712-336-2700	
Hamm, Inc. Landfill Office: 609 Perry Place Perry, Kansas	785-597-5111	
Iowa City Landfill Iowa City, IA	(319) 356-5185	
Metro Park East Landfill Des Moines, IA	(515) 967-2076	
Metro Park West Landfill Perry, IA	(515) 436-8252	
Woodbury County Landfill Merville, IA	(712) 873-3837	
Wildlife Rehabilitation		
Tri-State Bird Rescue and Research Inc.	(302) 737-7241 (302) 737-9562 (Fax) (800) 710-0695* (Pager) (800) 710-0696*	

	(Pager)	
Water Intakes		
St. Joseph KCPL	816-262-2642 816-261-7728 816-294-5858 816-223-7507	

SECTION 4
RESPONSE TEAM ORGANIZATION

Last revised: January 2005

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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 require a basic ICS organizational structure as shown in **FIGURE 4.5-2**, while a tier 3 event 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)

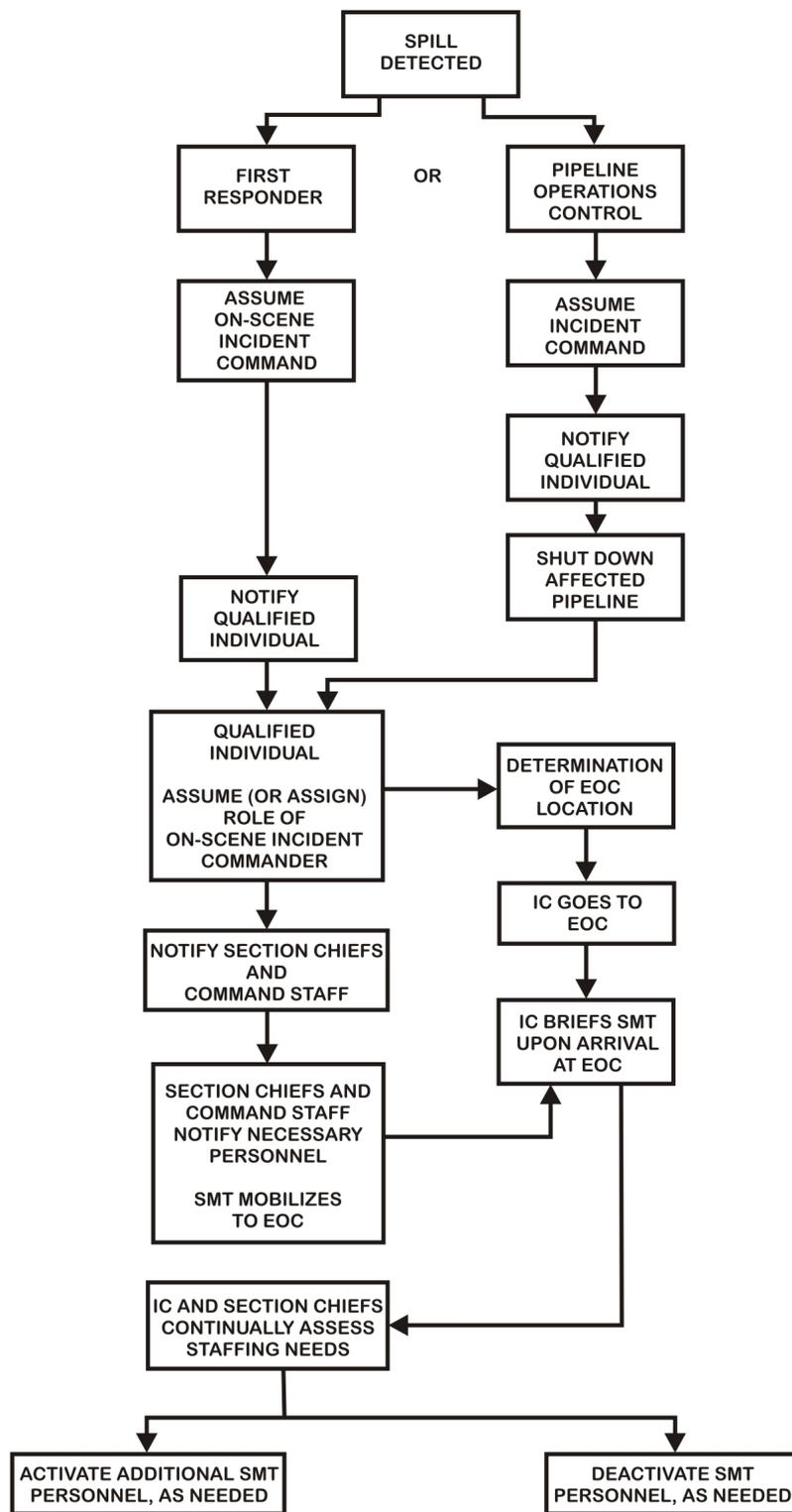
The Qualified Individual (QI) is an English-speaking representative, residing in the United States, available on a 24-hour basis, and trained in the responsibilities outlined in this section. The QI has the following responsibilities and authorities as required by the Oil Pollution Act of 1990 (OPA 90):

- 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

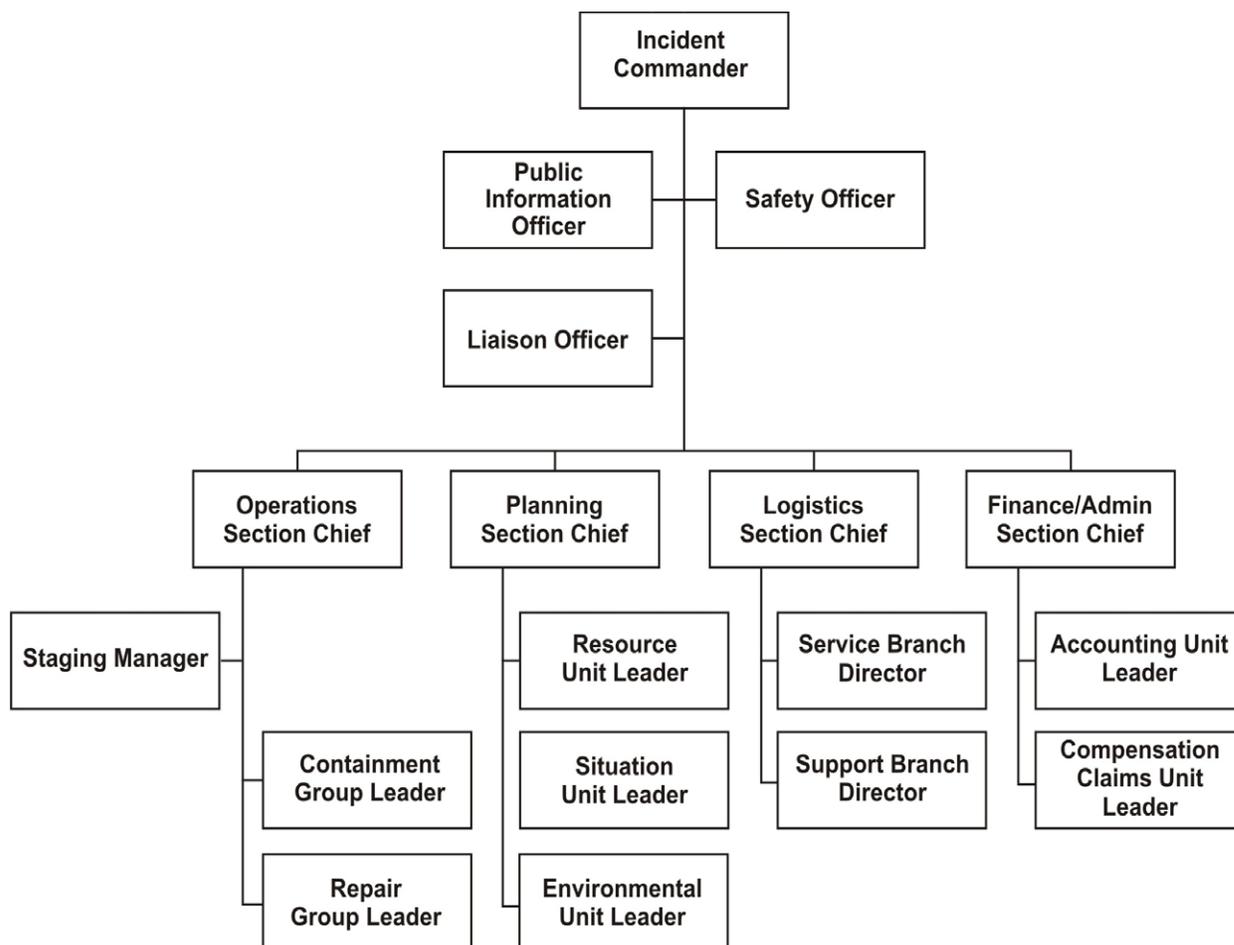
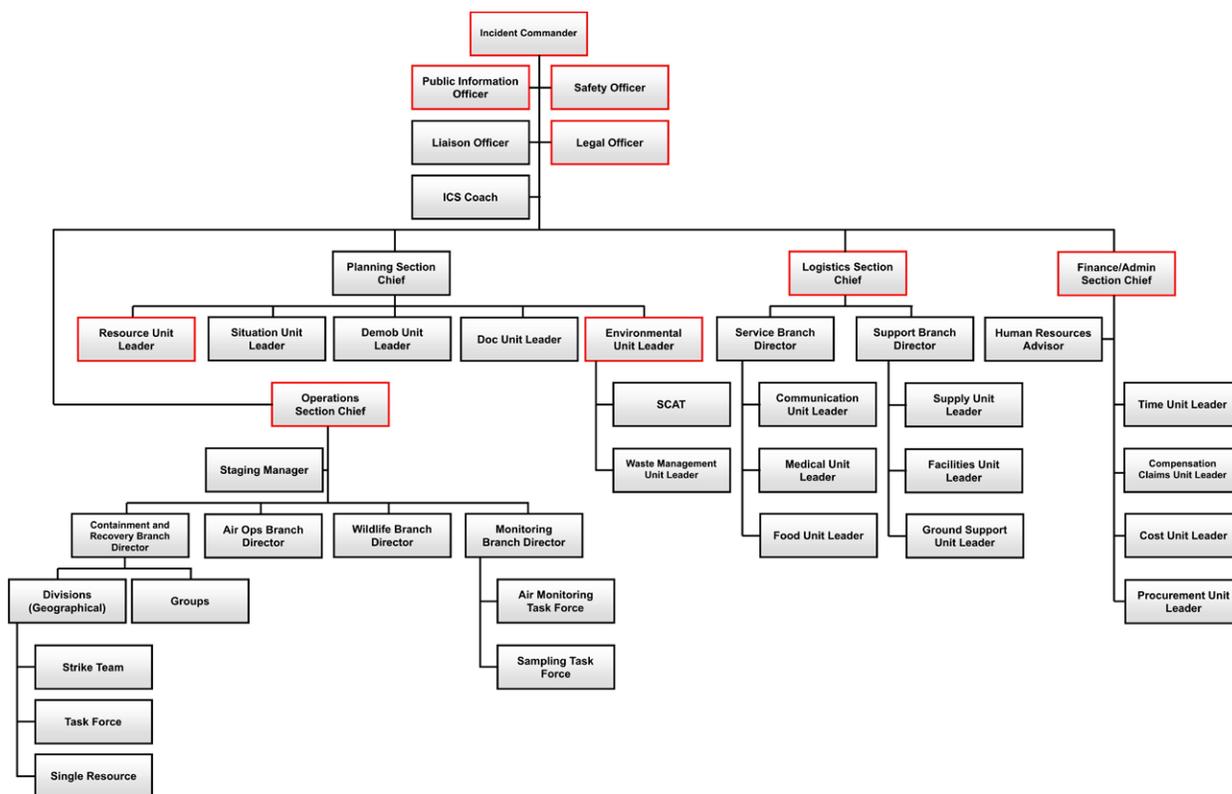


FIGURE 4.5-3 - ENHANCED SMT ORGANIZATION CHART



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**).

COMPENSATION 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 expeditiously.

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
INCIDENT PLANNING

Last revised: January 2005

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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

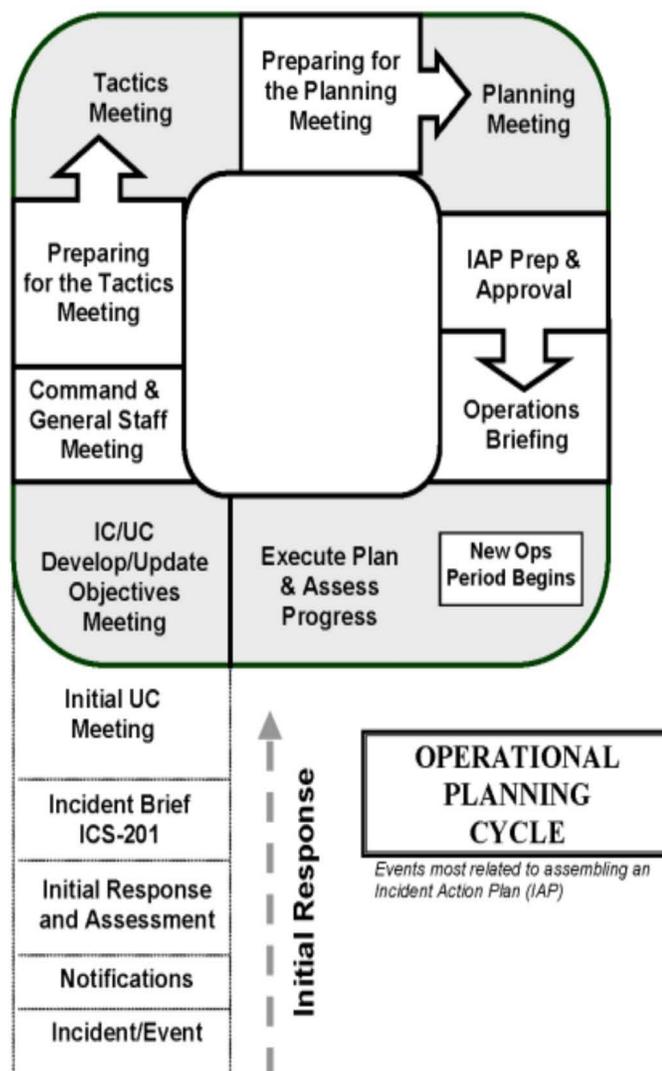
5.1.1 Incident Action Plan Process and Meetings

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**

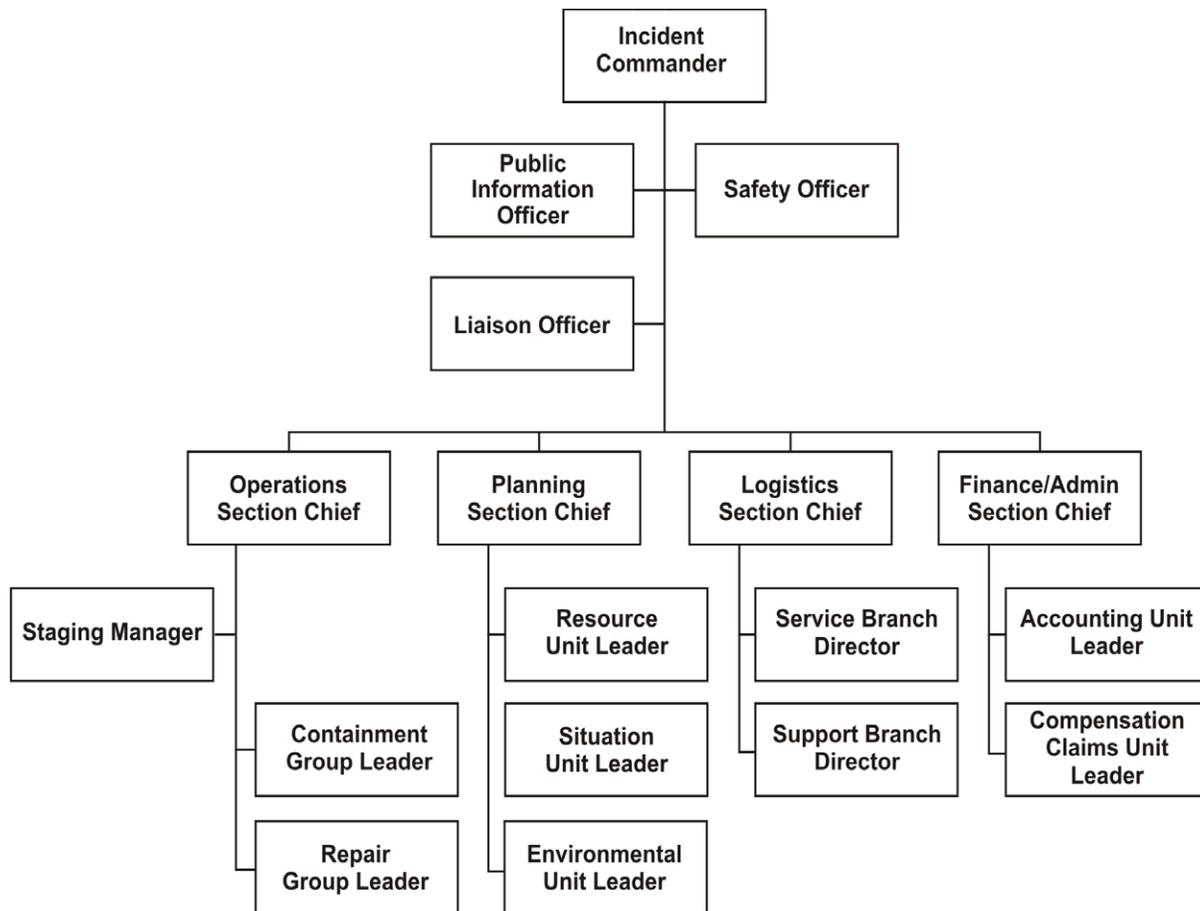
Used to inform personnel about the status of response efforts. It is not included in the IAP.

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)		

Date: Time:

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)	INCIDENT BRIEFING ICS 201-CG
	Date: Time:	

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:			
<input type="checkbox"/> ICS 202-OS (Incident Objectives)			
<input type="checkbox"/> ICS 203-OS (Organization Assignment List)			
<input type="checkbox"/> ICS 204-OS (Assignment List)			
<input type="checkbox"/> ICS 205-OS (Communications Plan)			
<input type="checkbox"/> ICS 206-OS (Medical Plan)			
<input type="checkbox"/> ICS 209-OS (Incident Status Summary)			
<input type="checkbox"/>			
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) <input type="checkbox"/> Organization List (ICS 203-OS) <input type="checkbox"/> Assignment List (ICS 204-OS) <input type="checkbox"/> Communications Plan (ICS 205-OS) <input type="checkbox"/> Medical Plan (ICS 206-OS) <input type="checkbox"/> 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																																																																												
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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

Midwest District

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5.2.5 Assignment List ICS 204-OS

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

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]		7. Safety Status [Safety Officer]		
Source Status:			Remaining Potential (bbl):		Since Last Report		
Rate of Spillage (bbl/hr):					Total		
Secured <input type="checkbox"/>		Unsecured <input type="checkbox"/>		Responder Injury		Public Injury	
Since Last Report			Total		8. Equipment Resources [RUL]		
Volume Spilled					Description		
Mass Balance/Oil Budget					Ordered		
Recovered Oil					Available / Staged		
Evaporation					Assigned		
Natural Dispersion					Out of Service		
Chemical Dispersion					Spill Resp. Vsls		
Burned					Fishing Vessels		
Floating, Contained					Tugs		
Floating, Uncontained					Barges		
Onshore					Other Vessels		
Total Spilled Oil Accounted For:					Skimmers		
4. Waste Management (Estimated)			[OPS/Disposal]		Boom (ft.)		
					Sbnt/Snr Bm. (ft.)		
					Vacuum Trucks		

	Recovered	Stored	Disposed	Helicopters				
Oil (bbl)								
Oily Liquids (bbl)				Fixed Wing				
Liquids (bbl)								
Oily Solids (tons)				9. Personnel Resources				[RUL]
Solids (tons)				Description	People in Cmd. Post	People in the Field	Total People On Scene	
5. Shoreline Impacts (Estimated, in miles)				[PSC/EUL/SSC]				
Degree of Oiling	Affected	Cleaned	To Be Cleaned	Federal				
Light				State				
Medium				Local				
Heavy				RP				
Total				Contract Personnel				
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								
				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

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:

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: <input type="checkbox"/> Yes <input type="checkbox"/> 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					
	<input type="checkbox"/> Marine vessel	<input type="checkbox"/> Pipeline	<input type="checkbox"/> Storage facility		
	<input type="checkbox"/> Truck/Rail car	<input type="checkbox"/> Other			
Water	<input type="checkbox"/> Shoreline	<input type="checkbox"/> Wetlands	<input type="checkbox"/> Other		
	<input type="checkbox"/> Rocky	<input type="checkbox"/> Sandy	<input type="checkbox"/> Muddy	<input type="checkbox"/> Other	
	<input type="checkbox"/> River	<input type="checkbox"/> Creek	<input type="checkbox"/> Canal	<input type="checkbox"/> Bay	<input type="checkbox"/> Ocean
Land	<input type="checkbox"/> Mountains	<input type="checkbox"/> Hills	<input type="checkbox"/> Brushland	<input type="checkbox"/> Forest	<input type="checkbox"/> Grassland
	<input type="checkbox"/> Other				
Use	<input type="checkbox"/> Public	<input type="checkbox"/> Government	<input type="checkbox"/> Residential	<input type="checkbox"/> Commercial	
	<input type="checkbox"/> Recreational	<input type="checkbox"/> Industrial	<input type="checkbox"/> Farmland	<input type="checkbox"/> Other	
Weather	<input type="checkbox"/> Temp _____?F	<input type="checkbox"/> Wind/Dir. _____ mph	<input type="checkbox"/> Rain		
	<input type="checkbox"/> Snow	<input type="checkbox"/> Ice	<input type="checkbox"/> Other		
Pathways for Dispersion	<input type="checkbox"/> Air	<input type="checkbox"/> Water	<input type="checkbox"/> Land	<input type="checkbox"/> Other	
Site Hazards					
<input type="checkbox"/> Chemical Hazards	<input type="checkbox"/> Boats				
<input type="checkbox"/> Slips, trips, falls	<input type="checkbox"/> Helicopters				
<input type="checkbox"/> Heat stress	<input type="checkbox"/> Noise				
<input type="checkbox"/> Cold stress	<input type="checkbox"/> Pumps, hoses				
<input type="checkbox"/> Weather	<input type="checkbox"/> Steam, hot water				
<input type="checkbox"/> Drowning	<input type="checkbox"/> Fire/Explosion				
<input type="checkbox"/> Heavy equipment	<input type="checkbox"/> Poor visibility				
<input type="checkbox"/> Drum handling	<input type="checkbox"/> Motor vehicles				
<input type="checkbox"/> Wildlife/plants	<input type="checkbox"/> Confined spaces (see attachment/appendix)				
<input type="checkbox"/> Hand/power tools	<input type="checkbox"/> Ionizing radiation				
<input type="checkbox"/> Lifting	<input type="checkbox"/> Other				
Air Monitoring					
% LEL	% O ₂	PPM Benzene	PPM H ₂ S		
<input type="checkbox"/> Other (specify)					
<input type="checkbox"/> See attachment - Monitoring Results/Methods					
CONTROL MEASURES:					
Engineering Controls					
	<input type="checkbox"/> Source of release secured	<input type="checkbox"/> Valve(s) closed	<input type="checkbox"/> Facility shut down		
	<input type="checkbox"/> Site secured				
	<input type="checkbox"/> Other				
Personal Protective Equipment (PPE) HAZWOPER Coordination with OSRO					
	<input type="checkbox"/> PVC suits	<input type="checkbox"/> PE/TYVEK suits	<input type="checkbox"/> Respirator		
	<input type="checkbox"/> Site secured	<input type="checkbox"/> PVC gloves	<input type="checkbox"/> Other		
	<input type="checkbox"/> Other	<input type="checkbox"/> Hard hats	<input type="checkbox"/> 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:

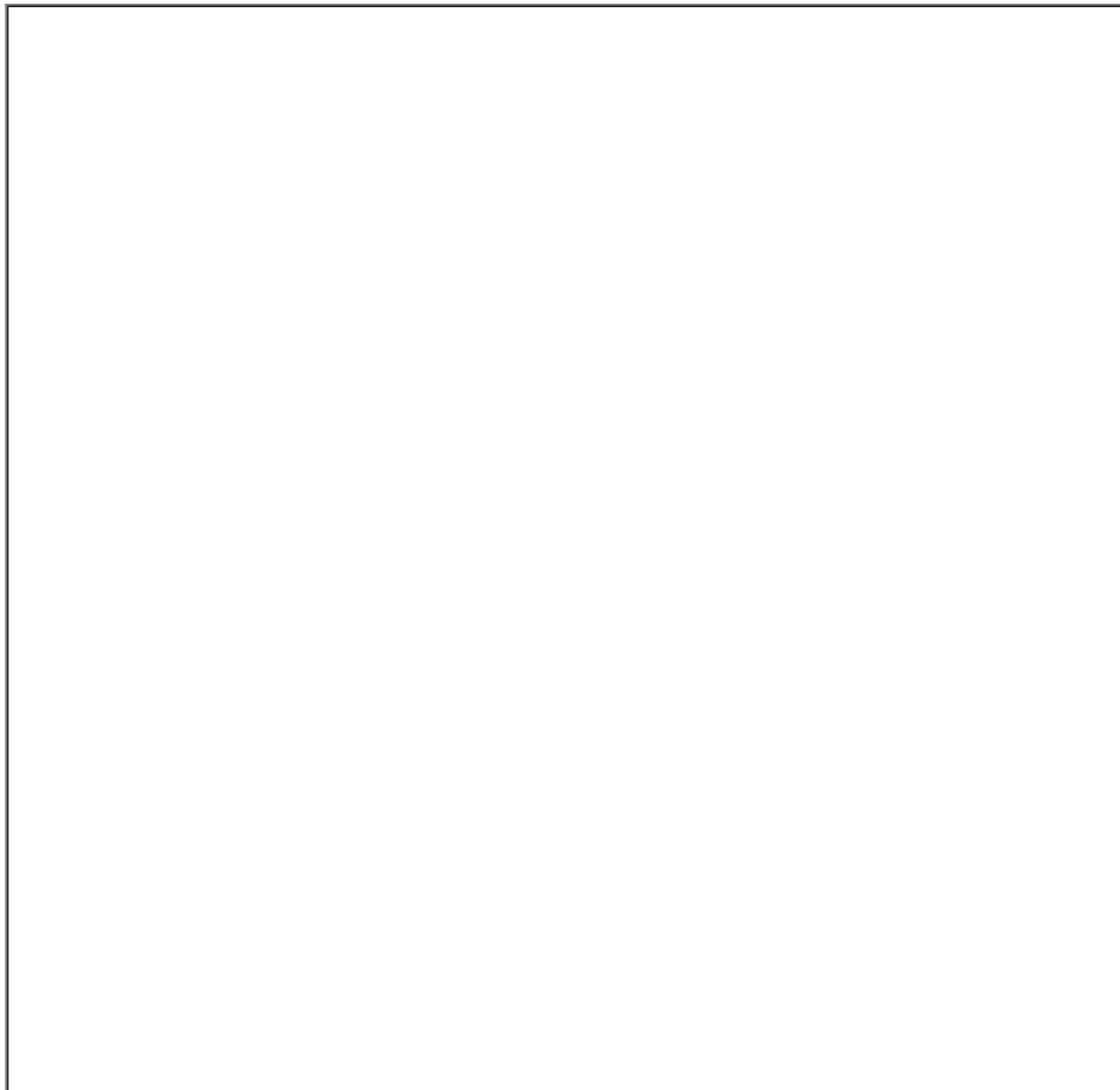
 Pre-entry briefing Security level Low Medium High Other topics

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.) | F. Routes of entry |
| B. Hazardous substance location | G. Wind direction |
| C. Work zones (exclusion, contamination
reduction, support) | H. Emergency evacuation routes |
| D. Command center and decontamination | I. Assembly points |
| | J. First aid locations |
| | K. Communication system |

area

E. Access and access restrictions

Midwest District

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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.

Midwest District

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5.4 DECONTAMINATION PLAN, CONTINUED

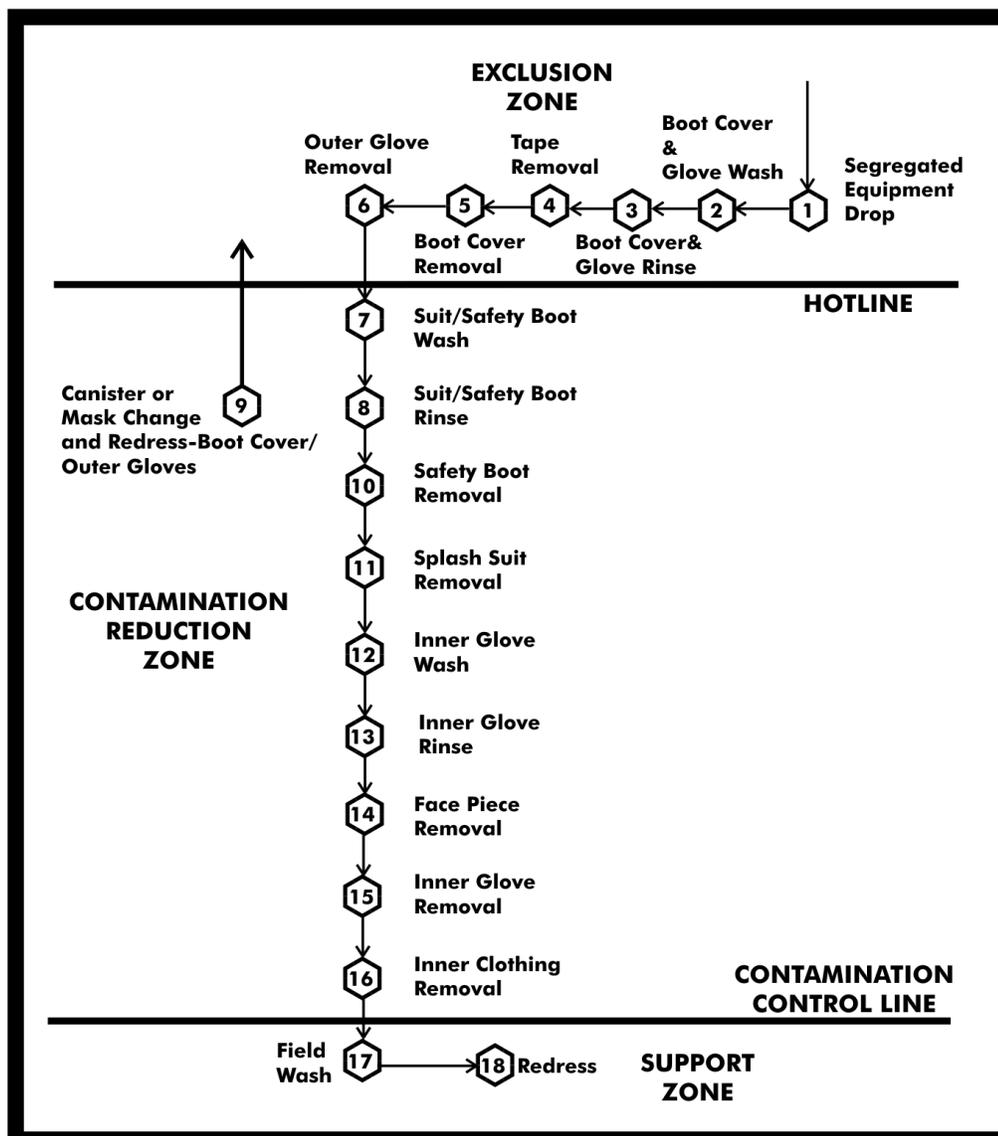
Procedures for these stations are as follows:

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



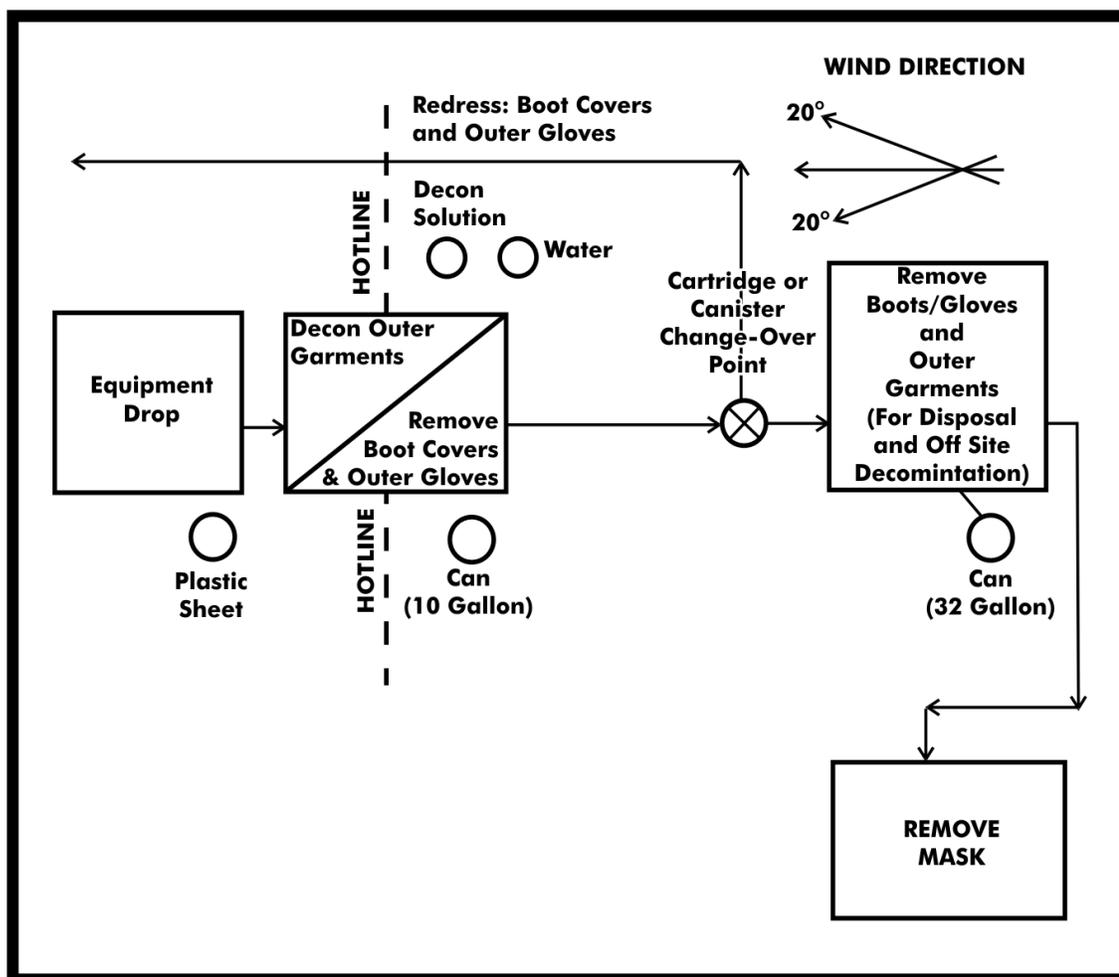
5.4 DECONTAMINATION PLAN, CONTINUED

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

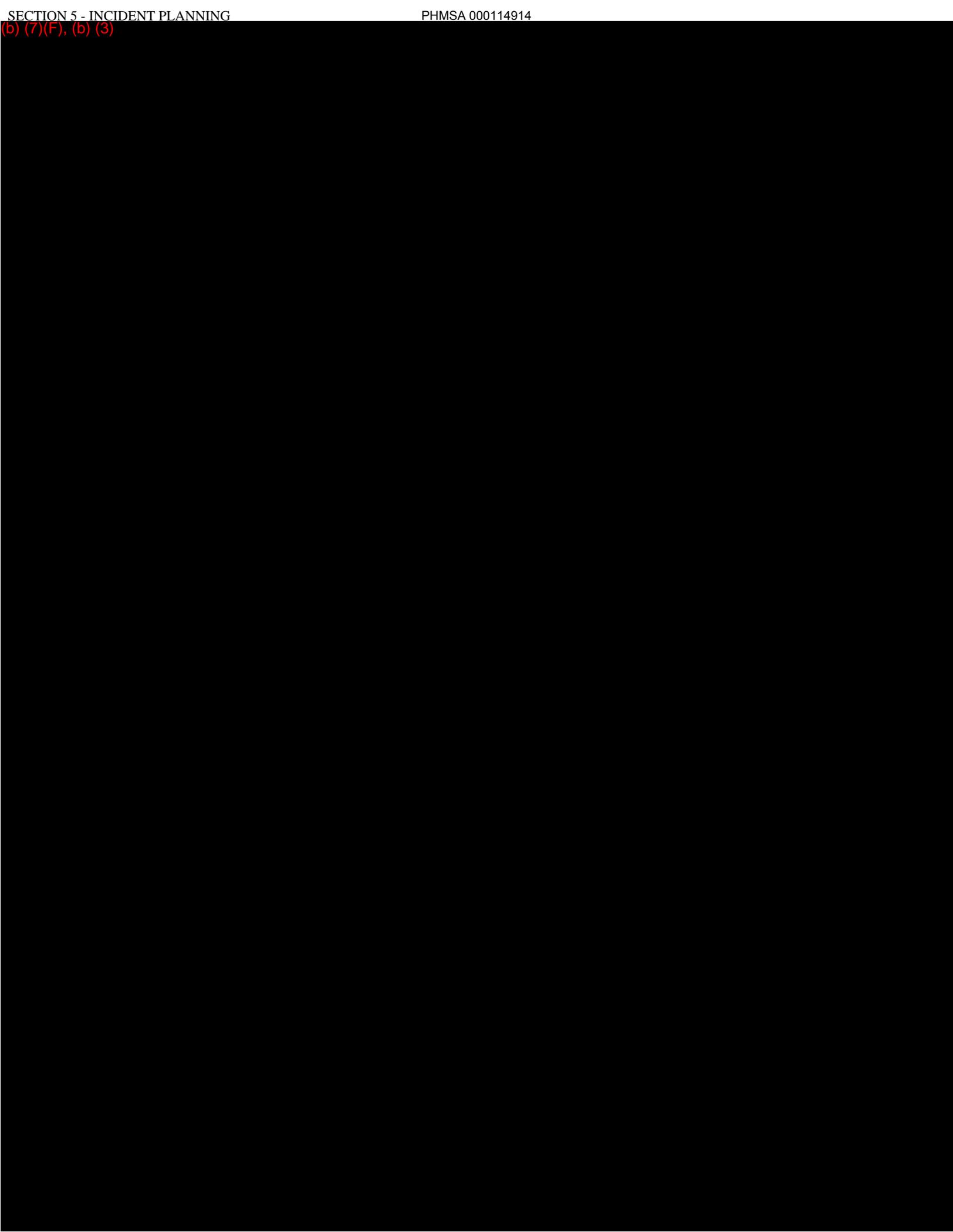
Permits required for storage:
Permits required for transportation:
Estimated storage capacity:
Number and type of storage required:
Local storage available for temporary storage of recovered oil:

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:

(b) (7)(F), (b) (3)



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: November 23, 2011
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 | <ul style="list-style-type: none">• 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	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • May require high pressure spraying: <ul style="list-style-type: none"> • To remove oil • To prepare substrate for recolonization of barnacle and oyster communities • For aesthetic reasons
Freshwater Flat	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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

	<p>areas of heavy bird use</p>	<p>sediments are contaminated, oil may persist for years</p>	<p>sorbent boom can be used to retain oil as it is naturally removed</p>
<p>Fresh Marsh</p>	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Marshes require the highest priority for shoreline protection • Natural recovery is recommended when: <ul style="list-style-type: none"> • 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
<p>Swamp</p>	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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
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FIGURE 6.2-1 - RESPONSE TACTICS FOR VARIOUS SHORELINES, CONTINUED

TYPES	DESCRIPTION	PREDICTED OIL IMPACT	RECOMMENDED CLEANUP ACTIVITY
Open water	<ul style="list-style-type: none"> • Have ocean like waves and currents • Weather changes effect on-water conditions • River mouths present problems • Thermal stratification occurs 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • May have varying salinities, meandering channels, and high flow rates • May include 	<ul style="list-style-type: none"> • Fish and migratory birds are of great concern • Under flood conditions, may impact highly 	<ul style="list-style-type: none"> • 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

	<p>manmade structures (such as dams and locks)</p> <ul style="list-style-type: none"> • Water levels vary seasonally • Floods generate high suspended sediment and debris loads 	<p>sensitive areas in floodplains</p> <ul style="list-style-type: none"> • Human usage may be high • When sediments are contaminated, oil may persist for years 	<p>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)</p> <ul style="list-style-type: none"> • Cleanup options include natural recovery, physical herding, sorbents, and debris/vegetation removal
Small lakes and ponds	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Wildlife and socioeconomic areas likely to be impacted • Wind will control the oil's distribution 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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, 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Weathering rates may be slower because spreading and evaporation are restricted 		control of flammable vapors, and grounding and bonding of recovery equipment) <ul style="list-style-type: none"> • Cleanup options include physical herding, natural recovery, debris removal, vegetation removal, and in-situ burn
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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.	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Vac Truck • Frac Tank • Jet Flushing Truck • Pumps 	<ul style="list-style-type: none"> • 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

			<p>marking manhole covers to identify locations</p> <ul style="list-style-type: none"> • Collect upstream and downstream water quality samples.
Stormwater Retention Ponds	<ul style="list-style-type: none"> • Aeration/Sparging ? Use of compressors to inject air into the water to volatilize 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 	<ul style="list-style-type: none"> • Vac Truck • Frac Tank • Compressors • Containment Boom • Sorbent Boom 	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Vac Truck • Frac Tank • Jet Flushing Truck • Pumps • Cleaning Agent 	<ul style="list-style-type: none"> • 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.

- | | | | |
|--|--|--|---|
| | | | <ul style="list-style-type: none">• 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](#).

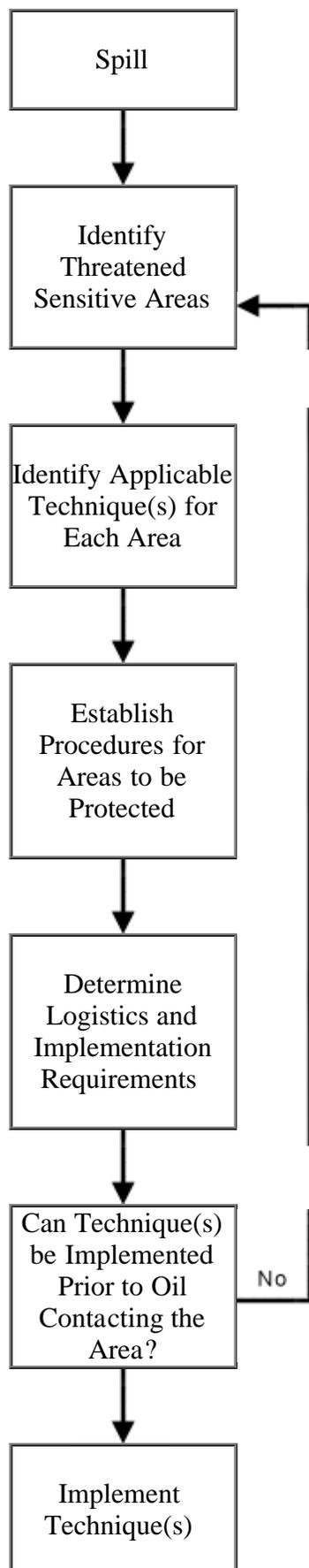
FIGURE 6.3-1 - SENSITIVE AREA PROTECTION IMPLEMENT SEQUENCE

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.	<u>Equipment</u> misc. hand tools <u>Personnel</u> 10-20 workers	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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.	<u>Equipment</u> motor grader, backhoe, dump truck elevating scrapers <u>Personnel</u> 2-4 workers plus equipment operators	<ul style="list-style-type: none"> • On land, wherever surface sediments are accessible to heavy equipment • Large amounts of oiled materials 	<ul style="list-style-type: none"> • 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	<u>Equipment</u> misc. hand tools misc. sorbents <u>Personnel</u> 2-10 workers	<ul style="list-style-type: none"> • Can be used on all habitat types • Free-floating oil close to shore or stranded on 	<ul style="list-style-type: none"> • Sediment disturbance and erosion potential • Trampling of vegetation and organisms

	oil.		shore, secondary treatment method after gross oil removal <ul style="list-style-type: none"> • Sensitive areas where access is restricted 	<ul style="list-style-type: none"> • 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.	<u>Equipment</u> 1-2 50- to 100-bbl vacuum trucks w/hoses 1-2 nozzle screens or skimmer heads <u>Personnel</u> 2-6 workers plus truck operators	<ul style="list-style-type: none"> • Can be used on all habitat types • Stranded oil on the substrate • Shoreline access points 	<ul style="list-style-type: none"> • 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.	<u>Equipment</u> 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 <u>Personnel</u> 6-8 workers per system	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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
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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.	<u>Equipment</u> 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 <u>Personnel</u> 8-10 workers per system	<ul style="list-style-type: none"> Substrates, riprap, and solid man-made structures Oil stranded onshore Floating oil on shallow intertidal areas 	<ul style="list-style-type: none"> 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.	<u>Equipment</u> 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 <u>Personnel</u> 2-4 workers per unit	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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	<u>Equipment</u> 1,000-2,000 ft sorbent/snare boom 200-400 stakes or anchor systems <u>Personnel</u> 4-10 workers	<ul style="list-style-type: none"> All shoreline types Calm wave action Slow removal process 	<ul style="list-style-type: none"> 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.	<u>Equipment</u> 1 tractor fitted with tines, dicer, ripper blades, etc. or 1-4 rototillers or 1 set of hand tools <u>Personnel</u> 2-10 workers	<ul style="list-style-type: none"> Any sedimentary substrate that can support heavy equipment Sand and gravel beaches with subsurface oil Where sediment is stained or lightly oiled Where oil is stranded above normal high waterline 	<ul style="list-style-type: none"> 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.	<u>Equipment</u> 1-2 fertilizer applicators 1 tilling device if required <u>Personnel</u> 2-4 workers	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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.	<u>Equipment</u> 1 set of fire control equipment 2-4 fans 1 supply of combustion promoter <u>Personnel</u> 2-4 workers	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Oil may persist for significant periods of time • Remobilized oil or sheens may impact other areas • Higher probability of impacting wildlife

<p>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.</p>	<p>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.</p>	<p>Dispersants Boat or aircraft</p>	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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
<p>1 - Per 1000 feet of shoreline or oiled area</p>				

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)	<i>Geocarpon minimum</i>	Sandstone glades and saline prairies	T	Missouri
Aster, decurrent false	<i>Boltonia decurrens</i>	Moist, sandy soil and regular disturbance	T	Missouri
Bat, gray	<i>Myotis grisescens</i>	Caves and mines; rivers adjacent to forests	E	Kansas
Bat, gray	<i>Myotis grisescens</i>	Caves and mines; rivers adjacent to forests	E	Missouri
Bat, Indiana	<i>Myotis sodalis</i>	Caves, mines, upland forests	E	Missouri
Bat, Indiana	<i>Myotis sodalis</i>	Caves, mines, upland forests	E	Iowa
Bat, Ozark big-eared	<i>Corynorhinus (=Plecotus) townsendii ingens</i>	Caves, mines, upland forests	E	Missouri
Bear, grizzly lower 48 States	<i>Ursus arctos horribilis</i>	Mountain-Prairie Region (between the Pacific Ocean and the Great Plains)	T	Wyoming
		Mountain-Prairie Region (between		

Bear, grizzly Yellowstone DPS	<i>Ursus arctos horribilis</i>	the Pacific Ocean and the Great Plains)	T	Wyoming
Beardtongue, Penland	<i>Penstemon penlandii</i>	Alkaline clays containing selenium, which is toxic to most plants	E	Colorado
Beetle, American burying	<i>Nicrophorus americanus</i>	Cropland/hedgerow	E	Missouri
Beetle, American burying	<i>Nicrophorus americanus</i>	Cropland/hedgerow	E	Kansas
Beetle, American burying	<i>Nicrophorus americanus</i>	Cropland/hedgerow	E	Nebraska
Bladderpod, Dudley Bluffs	<i>Lesquerella congesta</i>	Barren white outcrops exposed along drainages	T	Colorado
Bladderpod, Missouri	<i>Lesquerella filiformis</i>	Limestone glades and rocky open areas	T	Missouri

T - Threatened

E - Endangered

6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Bush-clover, prairie	<i>Lespedeza leptostachya</i>	Dry to mesic praries with gravelly soil	T	Iowa
Butterfly plant, Colorado	<i>Gaura neomexicana var. coloradensis</i>	Moist areas of floodplains	T	Wyoming
Butterfly plant, Colorado	<i>Gaura neomexicana var. coloradensis</i>	Moist areas of floodplains	T	Nebraska
Butterfly plant, Colorado	<i>Gaura neomexicana var. coloradensis</i>	Moist areas of floodplains	T	Colorado
Butterfly, Uncompahgre fritillary	<i>Boloria acrocneuma</i>	Moist alpine slopes with extensive snow willow	E	Colorado
Cactus, Colorado hookless	<i>Sclerocactus glaucus</i>	Alluvial benches along the Green, Colorado and Gunnison Rivers	T	Colorado
		Gravelly, dark,		

Cactus, Knowlton	<i>Pediocactus knowltonii</i>	sandy loams on slopes or hills	E	Colorado
Cactus, Mesa Verde	<i>Sclerocactus mesae-verdae</i>	Gravelly, dark, sandy loams on slopes or hills	T	Colorado
Cavefish, Ozark	<i>Amblyopsis rosae</i>	Dark cave waters	T	Missouri
Cavesnail, Tumbling Creek	<i>Antrobia culveri</i>	Underside of rocks in areas of Tumbling Creek that have little or no silt; caves	E	Missouri
Chub, bonytail entire	<i>Gila elegans</i>	Main stream of mid-sized to large rivers	E	Colorado
Chub, humpback entire	<i>Gila cypha</i>	Large rivers	E	Colorado
Clover, running buffalo	<i>Trifolium stoloniferum</i>	Open woodlands, savannas, grasslands, stream-banks, floodplains, and shoals	E	Missouri
Crane, whooping except where EXPN	<i>Grus americana</i>	Freshwater marshes and wet prairies	E	Kansas
Crane, whooping except where EXPN	<i>Grus americana</i>	Cropland/hedgerow, grassland/herbaceous	E	Nebraska

T - Threatened
E - Endangered

6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Crane, whooping except where EXPN	<i>Grus americana</i>	Cropland/hedgerow, grassland/herbaceous	E	Colorado
Curlew, Eskimo	<i>Numenius borealis</i>	Cropland/hedgerow, grassland/herbaceous, tundra	E	Nebraska
Curlew, Eskimo	<i>Numenius borealis</i>	Cropland/hedgerow, grassland/herbaceous, tundra	E	Kansas
Dace, Kendall Warm Springs	<i>Rhinichthys osculus thermalis</i>	Thermal seeps and springs of a small limestone ridge	E	Wyoming
		Thermal seeps and		

Dace, Kendall Warm Springs	<i>Rhinichthys osculus thermalis</i>	springs of a small limestone ridge	E	Wyoming
Darter, Niangua	<i>Etheostoma nianguae</i>	Clear creeks and small to medium rivers	T	Missouri
Dragonfly, Hine's emerald	<i>Somatochlora hineana</i>	Calcareous spring-fed marshes and sedge meadows overlaying dolomite bedrock	E	Missouri
Ferret, black-footed entire population, except where EXPN	<i>Mustela nigripes</i>	Grasslands, steppe, and shrub steppe	E	Wyoming
Ferret, black-footed entire population, except where EXPN	<i>Mustela nigripes</i>	Grasslands, steppe, and shrub steppe	E	Kansas
Ferret, black-footed entire population, except where EXPN	<i>Mustela nigripes</i>	Grasslands, steppe, and shrub steppe	E	Nebraska
Ferret, black-footed entire population, except where EXPN	<i>Mustela nigripes</i>	Grasslands, steppe, and shrub steppe	E	Wyoming
Ferret, black-footed entire population, except where EXPN	<i>Mustela nigripes</i>	Grasslands, steppe, and shrub steppe	E	Colorado
Flycatcher, southwestern willow	<i>Empidonax traillii extimus</i>	Streamside thickets, brushy fields, and willows	E	Colorado
Higgins eye (pearlymussel)	<i>Lampsilis higginsii</i>	Substrates of mud with a mixture of gravel and stones	E	Iowa
Higgins eye (pearlymussel)	<i>Lampsilis higginsii</i>	Substrates of mud with a mixture of gravel and stones	E	Missouri

T - Threatened

E - Endangered

6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	Moist to very wet meadows	T	Wyoming

		along streams		
Ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	Moist to very wet meadows along streams	T	Nebraska
Ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	Moist to very wet meadows along streams	T	Colorado
Lynx, Canada (Contiguous U.S. DPS)	<i>Lynx canadensis</i>	Mature forests with dense undergrowth	T	Colorado
Lynx, Canada (Contiguous U.S. DPS)	<i>Lynx canadensis</i>	Mature forests with dense undergrowth	T	Wyoming
Madtom, Neosho	<i>Noturus placidus</i>	Large, medium-gradient streams	T	Kansas
Madtom, Neosho	<i>Noturus placidus</i>	Large, medium-gradient streams	T	Missouri
Milk-vetch, Mancos	<i>Astragalus humillimus</i>	Sandstone ledges or mesa tops	E	Colorado
Milk-vetch, Osterhout	<i>Astragalus osterhoutii</i>	Highly seleniferous soils	E	Colorado
Milkweed, Mead's	<i>Asclepias meadii</i>	Dry or mesic prairies and igneous glades with rocky outcrops	T	Missouri
Milkweed, Mead's	<i>Asclepias meadii</i>	Dry or mesic prairies and igneous glades with rocky outcrops	T	Kansas
Milkweed, Mead's	<i>Asclepias meadii</i>	Dry or mesic prairies and igneous glades with rocky outcrops	T	Iowa
Monkshood, northern wild	<i>Aconitum noveboracense</i>	Cold stream beds, mossy banks, cliffs, slopes, and cold woods	T	Iowa
Mouse, Preble's meadow jumping U.S.A., north-central CO	<i>Zapus hudsonius preblei</i>	Heavily vegetated, shrub-dominated streamside and upland along foothills	T	Wyoming

Mouse, Preble's meadow jumping U.S.A., north-central CO	<i>Zapus hudsonius preblei</i>	Heavily vegetated, shrub-dominated streamside and upland along foothills	T	Colorado
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T - Threatened
E - Endangered

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6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Mucket, pink (pearlymussel)	<i>Lampsilis abrupta</i>	Sand and gravel substrates	E	Missouri
Mussel, scaleshell	<i>Leptodea leptodon</i>	Creeks and large rivers	E	Missouri
Mustard, Penland alpine fen	<i>Eutrema penlandii</i>	Alpine tundra, moss-covered peat fens	T	Colorado
Orchid, eastern prairie fringed	<i>Platanthera leucophaea</i>	Mesic to wet praries	T	Iowa
Orchid, western prairie fringed	<i>Platanthera praeclara</i>	Mesic to wet praries	T	Iowa
Orchid, western prairie fringed	<i>Platanthera praeclara</i>	Mesic to wet praries	T	Kansas
Orchid, western prairie fringed	<i>Platanthera praeclara</i>	Wet praries and sedge meadows	T	Nebraska
Orchid, western prairie fringed	<i>Platanthera praeclara</i>	Wet praries and sedge meadows	T	Missouri
Owl, Mexican spotted	<i>Strix occidentalis lucida</i>	Forest, woodlands	T	Colorado
Pearlymussel, Curtis	<i>Epioblasma florentina curtisii</i>	Riffles or runs, in transistion areas between headwater and lowland streams	E	Missouri
Penstemon, blowout	<i>Penstemon haydenii</i>	Sand dune blowouts	E	Wyoming
Penstemon, blowout	<i>Penstemon haydenii</i>	Sand dune blowouts	E	Nebraska
		Barren, raw		

Phacelia, North Park	<i>Phacelia formosula</i>	exposures of the Coalmont Formation, a rusty-colored sandy substrate	E	Colorado
Pikeminnow (=squawfish), Colorado except Salt and Verde R. drainages, AZ	<i>Ptychocheilus lucius</i>	Deep turbid strongly flowing water, eddies, runs, flooded bottoms, or backwaters	E	Colorado
Plover, piping except Great Lakes watershed	<i>Charadrius melodus</i>	Sandy beaches, islands	T	Colorado

T - Threatened

E - Endangered

6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Plover, piping except Great Lakes watershed	<i>Charadrius melodus</i>	Lakeshore beaches	T	Kansas
Plover, piping except Great Lakes watershed	<i>Charadrius melodus</i>	Sandy beaches, islands	T	Nebraska
Plover, piping except Great Lakes watershed	<i>Charadrius melodus</i>	Sandy beaches, islands	T	Missouri
Plover, piping except Great Lakes watershed	<i>Charadrius melodus</i>	Sandy beaches, islands	T	Iowa
Pocketbook, fat	<i>Potamilus capax</i>	Sand, mud, and fine gravel substrates	E	Missouri
Pogonia, small whorled	<i>Isotria medeoloides</i>	Cidic soils, in dry to mesic second-growth	T	Missouri
Pondberry	<i>Lindera melissifolia</i>	Floodplain hardwood forests and forested swales	E	Missouri
Shiner, Arkansas				

River Arkansas R. Basin	<i>Notropis girardi</i>	Benthopelagic; freshwater	T	Kansas
Shiner, Topeka	<i>Notropis topeka</i> (= <i>tristis</i>)	Streams	E	Nebraska
Shiner, Topeka	<i>Notropis topeka</i> (= <i>tristis</i>)	Streams	E	Kansas
Shiner, Topeka	<i>Notropis topeka</i> (= <i>tristis</i>)	Streams	E	Missouri
Shiner, Topeka	<i>Notropis topeka</i> (= <i>tristis</i>)	Streams	E	Iowa
Skipper, Pawnee montane	<i>Hesperia leonardus montana</i>	Open grassy areas including native prairies, fields, barrens, and meadows	T	Colorado
Snail, Iowa Pleistocene	<i>Discus macclintocki</i>	Aquatic environment	E	Iowa
Sneezeweed, Virginia	<i>Helenium virginicum</i>	Seasonally inundated ponds	T	Missouri

T - Threatened

E - Endangered

6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Sturgeon, pallid	<i>Scaphirhynchus albus</i>	Free-flowing riverine	E	Kansas
Sturgeon, pallid	<i>Scaphirhynchus albus</i>	Free-flowing riverine	E	Nebraska
Sturgeon, pallid	<i>Scaphirhynchus albus</i>	Free-flowing riverine	E	Iowa
Sturgeon, pallid	<i>Scaphirhynchus albus</i>	Free-flowing riverine	E	Missouri
Sturgeon, pallid	<i>Scaphirhynchus albus</i>	Free-flowing riverine	E	Colorado
Sucker, razorback entire	<i>Xyrauchen texanus</i>	Slow areas, backwaters, and eddies of medium to large rivers	E	Colorado

Sucker, razorback entire	<i>Xyrauchen texanus</i>	Slow areas, backwaters, and eddies of medium to large rivers	E	Wyoming
Tern, least interior pop.	<i>Sterna antillarum</i>	Open sandy or gravelly beach, dredge spoil and other open shoreline areas	E	Iowa
Tern, least interior pop.	<i>Sterna antillarum</i>	Open sandy or gravelly beach, dredge spoil and other open shoreline areas	E	Missouri
Tern, least interior pop.	<i>Sterna antillarum</i>	Open sandy or gravelly beach, dredge spoil and other open shoreline areas	E	Nebraska
Tern, least interior pop.	<i>Sterna antillarum</i>	Open sandy or gravelly beach, dredge spoil and other open shoreline areas	E	Kansas
Tern, least interior pop.	<i>Sterna antillarum</i>	Open sandy or gravelly beach, dredge spoil and other open shoreline areas	E	Colorado
Tiger beetle, Salt Creek	<i>Cicindela nevadica lincolniana</i>	Arbor Lake and along the banks of Salt Creek and its tributaries and in the mud flats of saline marshes of northern Lancaster County	E	Nebraska
Toad, Wyoming	<i>Bufo baxteri</i> (=hemiophrys)	Shallow water, associated with floodplain ponds	E	Wyoming
Trout, greenback cutthroat	<i>Oncorhynchus clarki stomias</i>	Freshwater; Front Range streams and lakes	T	Colorado

T - Threatened
E - Endangered

6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Twinpod, Dudley Bluffs	<i>Physaria obcordata</i>	Barren, raw exposures of the Coalmont Formation, a rusty-colored sandy substrate	T	Colorado
Wild-buckwheat, clay-loving	<i>Eriogonum pelinophilum</i>	Whitish, alkaline clay soils on Mancos shale	E	Colorado
Wolf, gray Lower 48 States, except where delisted and where EXPN. Mexico	<i>Canis lupus</i>	Mixed, grassland/herbaceous	E	Colorado
Woodpecker, red-cockaded	<i>Picoides borealis</i>	Open pine forests with large, widely-spaced older trees	E	Missouri
Yellowhead, desert	<i>Yermo xanthocephalus</i>	Barren outcrops of white silty clay of the Split Rock Formation	T	Wyoming

T - Threatened

E - Endangered

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Tactical Sites

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6.9 Waterway and Tactical Sites

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Missouri River KC
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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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7.3.2 Waste Transfer

7.3.3 Waste Disposal

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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
Response Equipment	Containment boom	325-ft	4-inch	Replaced as necessary	In operation	Des Moines Warehouse/ER Trailer - 2503 SE 43rd, Des Moines, IA
Response Equipment	Vacuum trailer	1	1,475-gallons	Unk	In operation	Des Moines Warehouse/ER Trailer - 2503 SE 43rd, Des Moines, IA
Response Equipment	Containment Boom	150-ft	4-inch mini boom	Replaced as necessary	In operation	Ridgeway Station Response Trailer
Response Equipment	Containment Boom	250'	6" skirt, 8" float	Replaced as necessary	In operation	Kansas City Reclamation Facility warehouse
Response Equipment	Drum Skimmers/Model TDS-118	2		Unk	In operation/480 BPD (240 BPD each)	Des Moines Warehouse/ER Trailer
Response Equipment	Skimmer Trash Pump	1	2-inch, 1300 bpd	Unknown	In operation	Scott City ER Trailer
Response Equipment	Containment Boom	300'	8	Various	Operational	Kansas City Reclamation Facility warehouse
Response Equipment	Containment Boom	500 ft (2-100", 4-50" sections)	10-inch	Various	In Operation	Sioux City ER Trailer - 4300 41st St.
Response Equipment	Containment Boom	300 feet	6 inch	Various	In Operation	Irvington Maintenance Shop ER Trailer
Response Equipment	Containment Boom	150 ft	3 inch mini-boom	Various	In Operation	Irvington Maintenance Shop ER

***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
*Haz-Mat Response, Inc. Great Bend, KS	Full response capabilities	0 hours
*Haz-Mat Response, Inc. North Platte, NE	Full response capabilities	0 hours
Environmental Management Services, Inc. Davenport, Iowa	Vacuum trucks, ER trailer (Boom in Bettendorf area only)	0 hours
Belfor Environmental Denver, CO	Full response capabilities	0 hours
Custom Environmental Services Denver, CO Arvada, Colorado	Full Service	0 hours
*Haz-Mat Response, Inc. Olathe, KS	Full response capabilities	1 hours
Seneca Companies, Inc (Sioux City) Sioux City, IA	Vacuum truck, ER trailer	2 hours
*Acme Products Co. Tulsa, OK	Full response capabilities	3.5 hours
*Heritage Environmental Services Lemont, IL	Full response capabilities	5 hours
*Bay West St. Paul, MN	Full response capabilities	6 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:

- 66 land-line phones
- 50 cellular phones
- 1 pagers
- 26 two-way radios
- 22 fax machines
- 47 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 STARTED	DATE/TIME COMPLETED
Develop a Communications Plan.			
Ensure adequate phone lines per staff element - contact local provider.			
Ensure adequate fax lines - contact local provider.			
Internet access necessary?			
Ensure recharging stations for cellular phones.			
VHF radio communications: <ul style="list-style-type: none"> • 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

Due to the large amount of public attention created at an oil spill site, additional security measures are required. Several measures should be planned in advance to prepare security personnel for possible events that may occur at the spill site. A checklist for site security is provided in **FIGURE 7.2-1**. A model Incident Security Plan is provided in **SECTION 5.6**.

FIGURE 7.2-1 - SITE SECURITY CHECKLIST

(b) (7)(F), (b) (3)

(b) (7)(F), (b) (3)

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

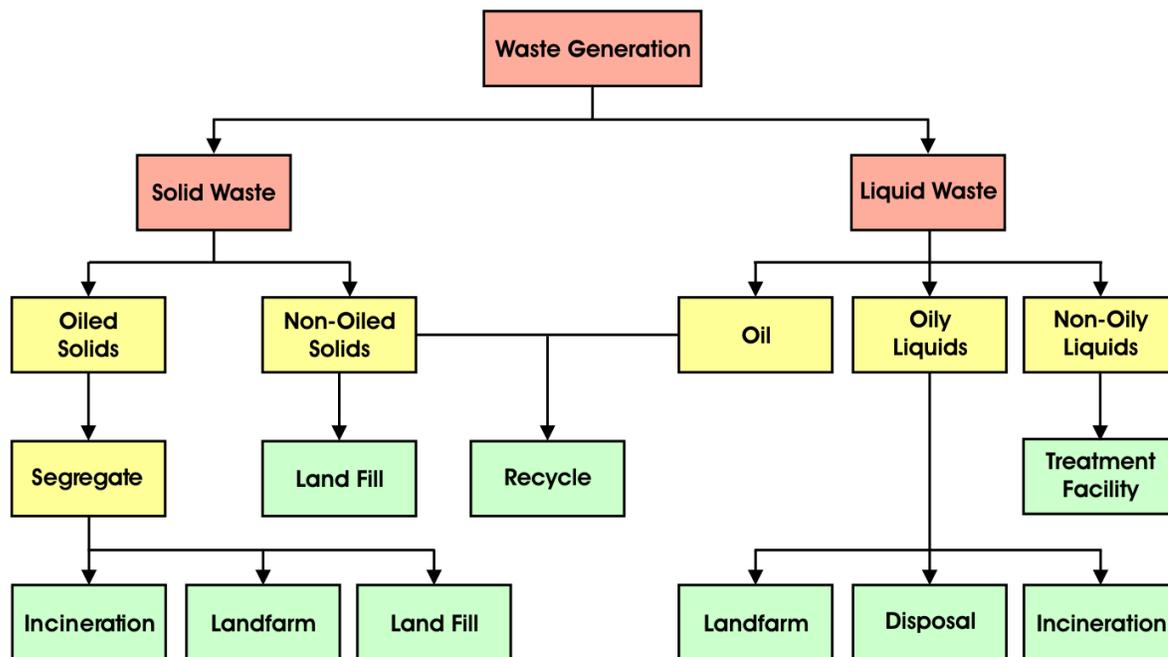


FIGURE 7.3-2 - GENERAL WASTE CONTAINMENT AND DISPOSAL CHECKLIST

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						CAPACITY
	OIL	OIL/WATER	OIL/SOIL	OIL/DEBRIS (Small)	OIL/DEBRIS (Medium)	OIL/DEBRIS (Large)	
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	Nearest Company Terminal	On-Site
Contaminated Soil	Metro Park East Landfill Metro Waste Authority Waste Management Pheasant Point Tower Landfill Great Bend Landfill	Mitchellville, IA Des Moines, IA Omaha, NE Commerce City, CO Great Bend, KS
Contaminated Equipment	Metro Park East Landfill Metro Waste Authority Waste Management Pheasant Point Tower Landfill Great Bend Landfill	Mitchellville, IA Des Moines, IA Omaha, NE Commerce City, CO Great Bend, KS
Personnel Protective Equipment	Metro Park East Landfill Metro Waste Authority Waste Management Pheasant Point Tower Landfill Great Bend Landfill	Mitchellville, IA Des Moines, IA Omaha, NE Commerce City, CO Great Bend, KS
Decontamination Solutions	Nearest Company Terminal	On-site
Adsorbents and Spent Chemicals	Metro Park East Landfill Metro Waste Authority Waste Management Pheasant Point Tower Landfill Great Bend Landfill	Mitchellville, IA Des Moines, IA Omaha, NE Commerce City, CO Great Bend, KS

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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A. TRAINING / EXERCISES

B. CONTRACTOR RESPONSE EQUIPMENT

C. HAZARD EVALUATION AND RISK ANALYSIS

D. CROSS-REFERENCES

E. ACRONYMS AND DEFINITIONS

APPENDICES

APPENDIX A 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: <ul style="list-style-type: none"> • Unified Command • Response management system 	<p>Demonstrate the ability of the spill response organization to work within a unified command.</p> <p>Demonstrate the ability of the response organization to operate within the framework of the response management system identified in their respective plans.</p>
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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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. <input type="checkbox"/> Exercise <input type="checkbox"/> Actual spill
If exercise:

<input type="checkbox"/> Announced <input type="checkbox"/> Unannounced <input type="checkbox"/> Deployment <input type="checkbox"/> Notification <input type="checkbox"/> Tabletop		
If exercise, frequency: <input type="checkbox"/> Quarter <input type="checkbox"/> 1st <input type="checkbox"/> 2nd <input type="checkbox"/> 3rd <input type="checkbox"/> 4th <input type="checkbox"/> 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	<input type="checkbox"/>	<input type="checkbox"/>
Established field Command Post	<input type="checkbox"/>	<input type="checkbox"/>
Confirmed source was stopped	<input type="checkbox"/>	<input type="checkbox"/>
Developed Site Safety and Health Plan	<input type="checkbox"/>	<input type="checkbox"/>
Prepared ICS 201	<input type="checkbox"/>	<input type="checkbox"/>
Established work zones and perimeter security	<input type="checkbox"/>	<input type="checkbox"/>
Developed short range tactical plan	<input type="checkbox"/>	<input type="checkbox"/>
Developed long range tactical plan	<input type="checkbox"/>	<input type="checkbox"/>
Proper Notifications:		
Qualified Individual (or designee)	<input type="checkbox"/>	<input type="checkbox"/>
EHS&T Department	<input type="checkbox"/>	<input type="checkbox"/>
Release/Spill Report Form completed	<input type="checkbox"/>	<input type="checkbox"/>
Notification to agencies completed (attach log)	<input type="checkbox"/>	<input type="checkbox"/>
Transportation/Communication System:		
Established primary/secondary communication system		

	<input type="checkbox"/>	<input type="checkbox"/>
Primary: cellular phone <input type="checkbox"/> two way radio <input type="checkbox"/> land telephone line <input type="checkbox"/>		
Secondary: cellular phone <input type="checkbox"/> two way radio <input type="checkbox"/> land telephone line <input type="checkbox"/>		
<input type="checkbox"/> Other		

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

Transportation/Communication System, Continued:		
	Yes	No
Motor vessel deployed	<input type="checkbox"/>	<input type="checkbox"/>
Provider name:		
Helicopter/Sea plane deployed	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>
Spilled material disposed	<input type="checkbox"/>	<input type="checkbox"/>
Where?		
Ability to coordinate spill response with on-scene coordinator, state, and applicable agencies:		
Was regulatory on-scene coordinator(s) contacted	<input type="checkbox"/>	<input type="checkbox"/>

List person and agency represented:		
Ability to access sensitive site and resource information in the Area Contingency Plan (ACP):		
Was pre-impact assessment conducted?	<input type="checkbox"/>	<input type="checkbox"/>
Were pre-impact samples taken?	<input type="checkbox"/>	<input type="checkbox"/>
Were pre-impact photographs taken?	<input type="checkbox"/>	<input type="checkbox"/>
Were NRDA specialists mobilized?	<input type="checkbox"/>	<input type="checkbox"/>
Were deficiencies identified?	<input type="checkbox"/>	<input type="checkbox"/>
If yes, changes implemented?	<input type="checkbox"/>	<input type="checkbox"/>
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	<ul style="list-style-type: none"> All field personnel will be trained to properly report/monitor spills Plan will be reviewed annually with all employees and contract personnel

	<p>Plan will be reviewed with all employees and contract personnel:</p> <ul style="list-style-type: none"> • 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. <p>• The Personnel Response Training Log is located in FIGURE A.2-3</p>
OSHA training requirements	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • See recommended PREP Training Matrix (<u>FIGURE A.2-2</u>)
Training for casual laborers or volunteers	<ul style="list-style-type: none"> • Company will not use casual laborers/volunteers for operations requiring HAZWOPER training
Wildlife	<ul style="list-style-type: none"> • Only trained personnel approved by USFWS and appropriate state agency will be used to treat oiled wildlife
Training documentation and record maintenance	<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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
*Ryan Anderson	4/16/13 - 8 Hour Hazwoper Refresher	4/16/13 - 8 Hour Hazwoper Refresher

*Cody Annis	3/12/13 - 8 hr	3/12/13
Scott Benik	3/12/13 - 8 hr Hazwoper refresher	03/12/13 - 8 hours
*Jeffrey Binstock	5/8/13 - 8hr HAZWOPR	5/8/13
Rick Bondy	01/08/2014 - 8hr Hazwoper Refresher	01/08/2014- 8hr Hazwoper Refresher
*James Chandlee	1/8/14- 8 hr Hazwoper refresher	1/8/14 - 8 hr Hazwoper refresher
Dennis Crawford	02/5/13- 8hr Hazwoper Refresher	02/5/13 - 8hr Hazwoper Refresher
*Ryan Glazebrook	3/18/2013- 8hr HAZWOPR	3/18/13
Tristan Grover	2/12/14 - 8 hr Hazwoper Refresher	2/12/14 - 8 hr Hazwoper Refresher
*Ray Haworth	4/2/13 - 8 hr Hazwoper refresher	4/2/13 - 8 hr Hazwoper refresher
*Kevan Heil	1/8/14- 8 hr Hazwoper Refresher	1/8/14 - 8 hr Hazwoper refresher
*Steven Hill	4/2/13 - 8 hr Hazwoper Refresher	7/10/13
William Hocker	3/14/13	3/14/13
*Jon Jacobs	1/8/14 - 8 hr Hazwoper refresher	1/8/14 - 8 hr Hazwoper refresher
*Harold Johnson	2/26/13- 8 hr Hazwoper refresher	2/26/13 - 8 hr Hazwoper refresher
*Michael Kennedy	2/5/14 - 8 hr Hazwoper refresher	2/5/14 - 8 hr Hazwoper refresher
*Alan Manke	3/12/13	3/12/13
*Jeffrey Myers	1/8/14- 8 hr Hazwoper refresher	1/8/14 - 8 hr Hazwoper refresher
*Mike Orr	2/21/13	2/21/13
*Ed Osius	4/1/2014 - 8-hr Hazwoper refresher	9/25/2013
Greg Peck	1/8/14- 8 hr Hazwoper refresher	None
*Joshua Pellegrin	2/12/14 - 8-Hour Hazwoper Refresher	2/12/14 - 8-Hour Hazwoper Refresher
*Bradley Sandy	4/2/13 - 8 hr Hazwoper refresher	4/2/13 - 8 hr Hazwoper refresher
*Paul Shive	3/11/14- 8 hr Hazwoper Refresher	3/11/14- 8 hr Hazwoper Refresher
Brian Sieben	1/8/14 - 8 hr Hazwoper refresher	1/8/14 - 8 hr Hazwoper refresher
*Larry Smith	5/23/13	5/23/13

*Steven Steward	1/8/14 - 8 hr Hazwoper refresher	1/8/14 - 8 hr Hazwoper refresher
*Greg Tarr	3/26/2013 - 8 hr Hazwoper refresher	3/26/2013- 8 hr Hazwoper refresher
*Rodger Teasdale	4/15/14- 8 hr Hazwoper refresher	4/15/14 - 8 hr Hazwoper refresher
*Steve Turley	3/19/13 - 8hr HAZWOPR	3/19/13
Donald Vaughan	1/8/13	1/8/13
Mark Webster	3/19/13 - 8hr HAZWOPR	3/19/13 - 8 hr Hazwoper refresher
*Harry Wilhoit	3/19/13 - 8 hr Hazwoper Refresher	3/14/13

*Qualified Individual

APPENDIX B
CONTRACTOR RESPONSE EQUIPMENT

Last revised: August 21, 2008

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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		
			Facilities				Vessels					
			MM	W1	W2	W3	MM	W1	W2	W3		
Haz-Mat Response, Inc. 731 B Street Great Bend KS 67530	Saint Louis	River/Canal	✓	✓	✓	✓	✓	✓	✓	✓	0 hours	
		Inland	✓	✓	✓		✓	✓	✓			
		Open Ocean										
		Offshore										
		Nearshore										
		Great Lakes										
Haz-Mat Response, Inc. 4501 Rodeo Road North Platte NE 59101	Saint Louis	River/Canal	✓	✓	✓	✓	✓	✓	✓	✓	0 hours	
		Inland	✓	✓	✓		✓	✓	✓			
		Open Ocean										
		Offshore										
		Nearshore										
		Great Lakes										
Haz-Mat Response, Inc. 1203 C South Park Olathe KS 66061	Saint Louis	River/Canal	✓	✓	✓	✓	✓	✓	✓	✓	1 hours	
		Inland	✓	✓	✓		✓	✓	✓			
		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	
Heritage Environmental Services 15330 Canal Bank Road Lemont IL 60439	Chicago		Facilities				Vessels				5 hours
			MM	W1	W2	W3	MM	W1	W2	W3	
		River/Canal	✓	✓	✓	✓	✓	✓	✓	✓	
		Inland	✓	✓	✓	✓	✓	✓	✓	✓	
		Open Ocean									
		Offshore									
		Nearshore									
		Great Lakes	✓	✓	✓	✓	✓	✓	✓	✓	
Bay West 5 Empire Drive St. Paul MN 55103	Saint Louis		Facilities				Vessels				6 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:

- Seneca Companies, Inc (Sioux City)
4444 South York
Sioux City, IA
51106
- Environmental Management Services, Inc.
1030 South Rolff
Davenport, Iowa
52802
- Belfor Environmental
5075 Kalamath Street
Denver, CO
80221
- Custom Environmental ServicesDenver, CO
8041 W I-70 Frontage Road, Unit #5
Arvada, Colorado
80002

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
- Bay West, St. Paul, MN
- Belfor Environmental, Denver, CO
- Custom Environmental ServicesDenver, CO, Arvada, Colorado
- Environmental Management Services, Inc., Davenport, Iowa
- Haz-Mat Response, Inc., Great Bend, KS
- Haz-Mat Response, Inc., Olathe, KS
- Haz-Mat Response, Inc., North Platte, NE
- Heritage Environmental Services, Lemont, IL
- Mid America Pipeline, Foyil, OK
- Seneca Companies 7241 Gaines Street Court Davenport, IA 52806, Bettendorf, IA
- Seneca Companies (Des Moines), Des Moines, IA
- Seneca Companies, Inc (Sioux City), Sioux City, IA

FIGURE B.1-2 - OSRO COVERAGE OVERVIEW MAP

[Click here to view Midwest District OSRO Coverage Overview Map](#)

APPENDIX C

Last revised: September 13, 2010

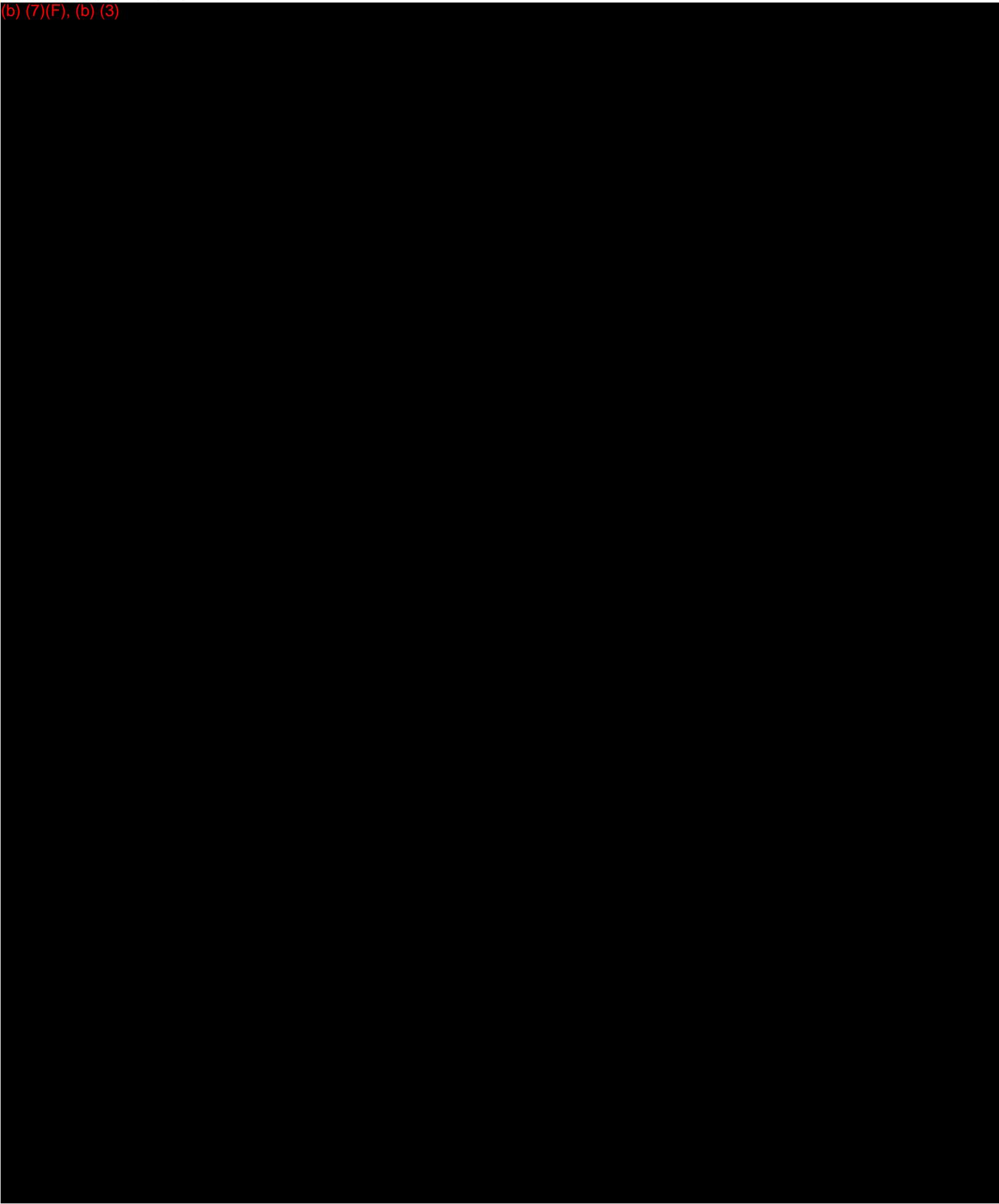
HAZARD EVALUATION AND RISK ANALYSIS

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C.1 Spill DetectionC.2 Worst Case Discharge ScenarioC.3 Planning Volume CalculationsC.4 Spill Volume CalculationsC.5 Pipeline - Abnormal ConditionsC.6 Product Characteristics and HazardsFigure C.6-1- Summary of Commodity CharacteristicsC.7 Supporting Documentation

C.1 SPILL DETECTION Detection

(b) (7)(F), (b) (3)



(b) (7)(F), (b) (3)



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**.

- 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:

- 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
- 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
- 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.

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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)
(b) (7)(F), (b) (3)	

(b) (7)(F), (b) (3)



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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), (b) (3)



(b) (7)(F), (b) (3)

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:

- Butane
- Crude Oil
- Diesel
- Gasoline
- Jet fuel
- Natural Gas
- Natural gasoline
- Propane

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
Butane	Appropriate product name	1	4	A	0	This product is highly flammable; UN1011; Toxicity -Butane is a simple asphyxiant
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
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.
Natural Gas	Methane	1	4	A, P	0	Flammable gas under pressure. Can cause explosive mixtures with air. May be non-odorized. Generally used to fuel compression engines on mainline pumps.
						Long term,

Natural gasoline	W-Grade	1	3	C	0	repeated exposure may cause cancer, blood, kidney and nervous system damage, and contains benzene.
Propane	Propane	2	4	A, P	0	Flammable liquid/gas under pressure. Can Cause explosive mixtures with air. May cause frostbite
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 H₂S = 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

[\(Click here for Supporting Documentation\)](#)

C.7 SUPPORTING DOCUMENTATION

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C.7 SUPPORTING DOCUMENTATION

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APPENDIX D
CROSS-REFERENCES

Last revised: January 2005

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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	
<ul style="list-style-type: none"> For the core plan: 	
<ul style="list-style-type: none"> Name and address of operator 	Figure 1-3
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> For each Response Zone appendix: 	
<ul style="list-style-type: none"> Information summary for core plan 	Section 1
<ul style="list-style-type: none"> QI names and telephone numbers, available on 24-hr basis 	Figure 1-3
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> List of line sections contained in Response Zone, identified by milepost or survey station or other operator designation 	Figure 1-3
<ul style="list-style-type: none"> Basis for operator?s determination of significant and substantial harm 	Figure 1-3
<ul style="list-style-type: none"> The type of oil and volume of the worst case discharge 	Appendix D
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> Notification requirements that apply in each area of operation of pipelines covered by the plan, including applicable state or local requirements 	Section 3
<ul style="list-style-type: none"> 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

<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> Procedures for notifying Qualified Individuals 	Figure 3.1-1, Section 4.5, Figure 4.5-1
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> Information to be provided in the initial and each follow-up notification, including the following: <ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> Methods of initial discharge detection 	Appendix C.1
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> List of equipment that may be needed in response activities based on land and navigable waters including: <ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> Qualified Individual's responsibilities and authority, including notification of the response resources identified in the response plan 	Section 4.5
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> For each organization identified under paragraph (d), a listing of: <ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> List of persons the Plan requires the operator to contact 	Figure 3.1-1
<ul style="list-style-type: none"> Qualified individuals for the operator's areas of operation 	Figure 1-3
<ul style="list-style-type: none"> Applicable insurance representatives or surveyors for the operator's areas of operation 	Figure 3.1-1
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> Announced and unannounced drills 	Appendix A.1
<ul style="list-style-type: none"> Types of drills and their frequencies; for example: <ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> Procedures to meet ?194.121 	Section 1.2
<ul style="list-style-type: none"> 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:	
<ul style="list-style-type: none"> Name and telephone number of the qualified individual 	Figure 1-3
<ul style="list-style-type: none"> Notification procedures 	Section 3
<ul style="list-style-type: none"> Spill detection and mitigation procedures 	Section 2.1 , Appendix C
<ul style="list-style-type: none"> Name, address, and telephone number of oil spill response organization 	Figure 3.1-1 , Appendix B
<ul style="list-style-type: none"> Response activities and response resources including: <ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> Names and telephone numbers of federal, state, and local agencies which the operator expects to assume pollution response responsibilities 	<u>Figure 3.1-3</u>
<ul style="list-style-type: none"> Worst case discharge volume 	<u>Appendix C</u>
<ul style="list-style-type: none"> Method used to determine the worst case discharge volume, with calculations 	<u>Appendix C</u>
<ul style="list-style-type: none"> A map that clearly shows: <ul style="list-style-type: none"> Location of worst case discharge Distance between each line section in the Response Zone: <ul style="list-style-type: none"> 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 	<u>Figure 1-4, Section 6.6, Section 6.7</u>
<ul style="list-style-type: none"> Piping diagram and plan-profile drawing of each line section; may be kept separate from the response plan if the location is identified 	<u>Figure 1-3</u>
<ul style="list-style-type: none"> For every oil transported by each pipeline in the response zone, emergency response data that: <ul style="list-style-type: none"> 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 	<u>Figure C.6-1</u>

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	<u>Section 2</u>

2. Establishing and maintaining adequate means of communication with appropriate fire, police, and other public officials	<u>Section 3</u> , <u>Section 4.4</u>
3. Prompt and effective response to a notice of each type of emergency, including the following:	
i. Gas detect inside or near a building	<u>Section 2</u>
ii. Fire located near or directly involving a pipeline facility	<u>Section 2</u>
iii. Explosion occurring near or directly involving a pipeline facility	<u>Section 2</u>
iv. Natural disaster	<u>Section 2</u>
4. The availability of personnel, equipment, tools, and materials, as needed at the scene of an emergency	<u>Section 7.1</u> , <u>Appendix B</u>
5. Actions directed toward protecting people first and then property	<u>Section 2</u>
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	<u>Section 2</u>
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	<u>Section 2</u> , <u>Section 4.4</u>
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	<u>Figure 1-2</u>

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

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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	<u>Appendix A</u>
2. Acquaint the officials with the operator's ability in responding to a gas pipeline emergency	<u>Appendix A</u>
3. Identify the types of gas pipeline emergencies of which the operator notifies the officials; and	<u>Section 2</u>
4. Plan how the operator and officials can engage in mutual assistance to minimize hazards to life or property	<u>Section 4</u>

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OSHA CROSS-REFERENCE

EAP REQUIREMENTS (29 CFR 1910.38 [a] [2])	LOCATION
• Emergency escape procedures and emergency escape route assignments	<u>Section 2</u>
• 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	<u>Section 2</u>
• Rescue and medical duties for those employees who are to perform them	<u>Section 2</u>

<ul style="list-style-type: none"> The preferred means of reporting fires and other emergencies 	<u>Section 2, Figure 3.1-1</u>
<ul style="list-style-type: none"> Names of regular job titles of persons or departments who can be contacted for further information or explanation of duties under the plan 	<u>Figure 3.1-3, Section 4.6</u>

ERP REQUIREMENTS (29 CFR 1910.120 [q] [1])	LOCATION
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> Pre-emergency planning 	<u>Appendix C</u>
<ul style="list-style-type: none"> Personnel roles, lines of authority, and communication 	<u>Section 4.4, Section 4.6, Section 7.1.6</u>
<ul style="list-style-type: none"> Emergency recognition and prevention 	<u>Section 2</u>
<ul style="list-style-type: none"> Safe distances and places of refuge 	<u>Section 2</u>
<ul style="list-style-type: none"> Site security and control 	<u>Section 5.6, Section 7.2</u>
<ul style="list-style-type: none"> Decontamination procedures which are not covered by the site safety and health plan 	<u>Section 5.4</u>
<ul style="list-style-type: none"> Emergency medical treatment and first aid 	<u>Section 2</u>
<ul style="list-style-type: none"> Emergency alerting and response procedures 	<u>Section 3</u>
<ul style="list-style-type: none"> Critique of response and follow-up 	<u>Section 8.3</u>
<ul style="list-style-type: none"> PPE and emergency equipment 	<u>Section 7, Appendix B</u>

APPENDIX E
ACRONYMS AND DEFINITIONS

Last revised: January 2005

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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 (USDH)
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

Midwest District

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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)

Midwest District

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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 FOCS 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.

Slopoover

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

**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: <u>Melanie Little</u>	By: <u>Allen W. Fletcher</u>
Name: <u>M Little</u>	Name: <u>Allen W. Fletcher</u>
Title: <u>Director, EHS+S</u>	Title: <u>Sr. Project Manager</u>
Date: <u>11/27/06</u>	Date: <u>November 8, 2006</u>

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



"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.)

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: (b) (6)

Thank You,
OSRO Manager
Gary Lytle

A CLEAN ENVIRONMENT
www.acleanenvironment.net

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)	
<u>Boom/Skimmers/Type I.D.</u>	<u>Operating Environment</u>	<u>Quarter Exercised</u>
Inspection & Test run of Skimmers (Brush, Drum, Weir)	Lake (Murray)	2 nd
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)	
<u>Boom/Skimmers/Type I.D.</u>	<u>Operating Environment</u>	<u>Quarter Exercised</u>
100' of Boom	Part of Catoosa	3 rd
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 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~~^{BA} ~~2006~~^{MAY} 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:

I. 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.

<p>Magellan Pipeline Company, L.P. by Magellan Pipeline GP, LLC, its general partner</p> <p>By: <u>Melanie Little</u></p> <p>Name: <u>MELANIE LITTLE</u></p> <p>Title: <u>DIRECTOR, EHS+S</u></p> <p>Date: <u>6/16/06</u></p>	<p>Acme Boom, Inc.^{BA} Acme Products, Inc.</p> <p>By: <u>Andrew B. Actendorf</u></p> <p>Name: <u>Andrew B. ACTENDORF</u></p> <p>Title: <u>PRESIDENT</u></p> <p>Date: <u>7/11/06</u></p>
--	--

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.

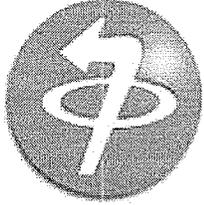
Execution of this acknowledgement by Contractor's representative will serve as certification that Magellan Pipeline Company, L.P. has complied with the preparedness and prevention sections for securing arrangements with a hazardous materials cleanup contractor **Acme Environmental, Inc. dba Acme Products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

By: DAVID POLLARD
Title: Vice President
Signature: [Signature]
Date: 1-4-12

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.

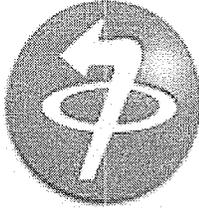
2666 N. Darlington - Tulsa, Oklahoma 74115
Phone: (918)836-7184 - Fax: (918)836-9197
www.acmeboom.com

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
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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.

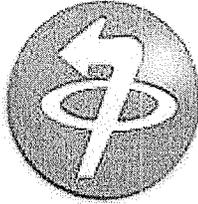
This is also to acknowledge that our spill response personnel have received the necessary training to safely and effectively respond to an oil spill. A record of this training is on file for the last three (3) years and is available for review upon request.

Sincerely,

A handwritten signature in black ink that reads "Andrew B. Altendorf". The signature is written in a cursive, flowing style.

Andrew B. Altendorf
President

ABA/hmr
Emergency Prep Letter



Acme Products Co.

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 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

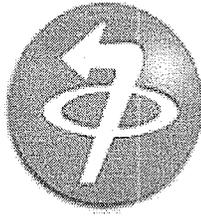
Poly Overpack Drums: 10-20 Each

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



Acme Products Co.

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OIL SPILL RESPONSE RATES AND POLICIES

Effective Date: January 1, 2013

PERSONNEL

	<u>Straight Time</u>
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 26 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/osroinfoonclassifiedosro.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.



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														
INSURED Acme Environmental, Inc. dba Acme Products Company 2666 N Darlington Tulsa, OK 74115	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: center;">NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: COLONY INS CO</td> <td style="text-align: center;">39993</td> </tr> <tr> <td>INSURER B: COMPSOURCE OK</td> <td style="text-align: center;">36188</td> </tr> <tr> <td>INSURER C:</td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: COLONY INS CO	39993	INSURER B: COMPSOURCE OK	36188	INSURER C:		INSURER D:		INSURER E:		INSURER F:	
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INSURER C:															
INSURER D:															
INSURER E:															
INSURER F:															

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 <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Pollution Coverage GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	X	X	EPK301067	11/16/12	01/01/14	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			AB8123892	11/16/12	01/01/14	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			EXC301068	11/16/12	01/01/14	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	02049322	01/01/13	01/01/14	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER 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

CANCELLATION

For Informational Purposes Only	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 Arthur J. Gallagher Risk Management Services, Inc.		NAMED INSURED Acme Environmental, Inc. dba Acme Products Company 2666 N Darlington	
POLICY NUMBER		Tulsa, OK 74115	
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.

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

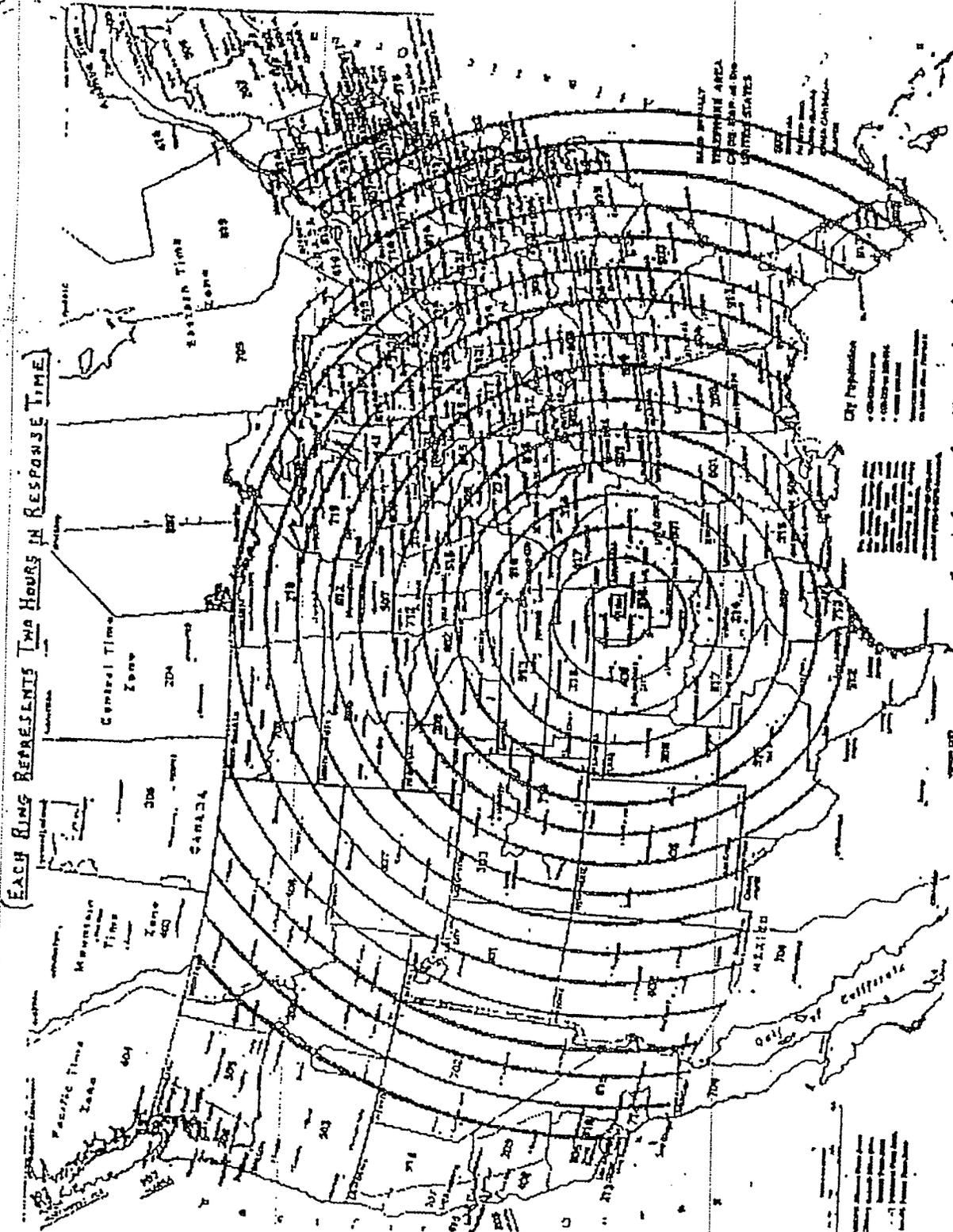
Stacey Baughman - Manager
 ph: (620) 669-4428
 email: stacey@nationalcompliance.com

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

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

Contractor Monitoring for the Oil and Gas Industry

EACH RING REPRESENTS TWO HOURS IN RESPONSE TIME



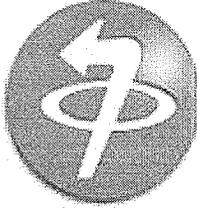
City Population

- Greater than 1,000,000
- 500,000 to 1,000,000
- 250,000 to 500,000
- 100,000 to 250,000
- 50,000 to 100,000
- 25,000 to 50,000
- 10,000 to 25,000
- 5,000 to 10,000
- Under 5,000

UNITED STATES

Legend

- State boundaries
- Major cities
- Response time zones



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 1/2 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:

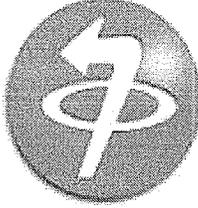
- 1) The equipment used is in good working order and was properly operated in the environment indicated;*
- 2) The involved personnel demonstrated competency in deployment and operation of the equipment.*



Dave Pollard, Vice-President

1-15-2022

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:

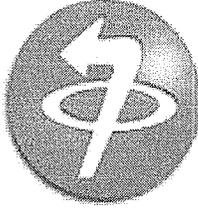
- 1) The equipment used is in good working order and was properly operated in the environment indicated;*
- 2) The involved personnel demonstrated competency in deployment and operation of the equipment.*



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

10-10-2022

Date

**MASTER EMERGENCY
SPILL RESPONSE AGREEMENT**

by and between

Magellan Pipeline Company, L.P.

and

Bay West, Inc.

Contract Number MESRA 06MMLP201

Effective ~~October~~ __, ~~2006~~

Jan 1, 2007

(PSM)

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

THIS MASTER EMERGENCY SPILL RESPONSE AGREEMENT (" Agreement"), entered into to be effective this 1st day of January 2006 by and between, Bay West, Inc., a MN corporation with its principal place of business in St. Paul, MN ("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". Psm

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.

<p>Magellan Pipeline Company, L.P. by Magellan Pipeline GP, LLC, its general partner</p> <p>By: <u>Melanie Little</u></p> <p>Name: <u>MELANIE LITTLE</u></p> <p>Title: <u>DIRECTOR, EAST</u></p> <p>Date: <u>12/12/06</u></p>	<p>Bay West, Inc.</p> <p>By: <u>Pamela S. McNeilly</u></p> <p>Name: <u>Pamela S. McNeilly</u></p> <p>Title: <u>Contracts Manager</u></p> <p>Date: <u>10/31/06</u></p>
---	---

From: [Bryan Murdock](#)
To: [Bondy, Richard](#)
Cc: [Pam McNeilly](#); [Ed Bacia](#)
Subject: Status of Master Services Agreement
Date: Friday, September 17, 2010 8:36:43 AM

Dear Rick, it was great to speak with you yesterday. I pulled and reviewed the contract that we currently have with Magellan Midstream Partners and the term of the contract is still valid. This contract is valid and designed for Bay West to respond to emergency and non-emergency work.

We are eager to help.

Sincerely, Bryan.

Bryan Murdock

Environmental & Industrial Services Manager

direct: 651-291-3473 ♦ cell: (b) (6)

bryanm@baywest.com

Bay West, Inc.

Customer-Focused Environmental & Industrial Solutions

5 Empire Drive, St. Paul, MN 55103

24-hrs: 1-800-279-0456

www.baywest.com

Consider the environment before printing this email.

Check it out . . . Bay West Way of Being

MESRA – Non OSRO
Contract Number 05MMLP224

**MASTER EMERGENCY
SPILL RESPONSE AGREEMENT (Non – Classified)
(OSRO)
by and between**

Magellan Pipeline Company, L.P.

and

RMCAT Environmental Services Inc.

Effective March 1, 2006

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 RMCAT Environmental Services Inc., a corporation with its principal place of business in Denver, Colorado (“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	RMCAT Environmental Services, Inc.
By: <u>Melanie Little</u>	By: <u>[Signature]</u>
Name: <u>Melanie Little</u>	Name: <u>Matt Wefel</u>
Title: <u>Director, EHS+S</u>	Title: <u>SVP</u>
Date: <u>3/8/06</u>	Date: <u>2/17/06</u>

Nancy VanGraefschep

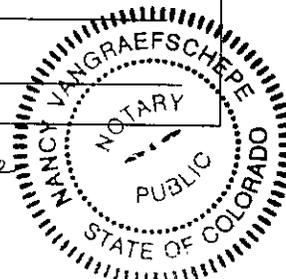


EXHIBIT G**ANNUAL ACKNOWLEDGEMENT OF MASTER EMERGENCY SPILL RESPONSE AGREEMENT (MESRA)**

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 **Belfor Environmental, Inc.** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: Frank Johnston
Title: BM
Signature: Frank Johnston
Date: 02/05/2013

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

MESRA – Non OSRO
Contract Number 05MMLP229

**MASTER EMERGENCY
SPILL RESPONSE AGREEMENT (Non – Classified)
(OSRO)
by and between**

Magellan Pipeline Company, L.P.

and

Environmental Management Services, 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 Environmental Management Services Inc., a corporation with its principal place of business in Davenport, Iowa (“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	Environmental Management Services, Inc.
By: <u>Melania Little</u>	By: <u>Kelly C. Conner</u>
Name: <u>Melanie Little</u>	Name: <u>Kelly C. Conner</u>
Title: <u>Director, EHS & S</u>	Title: <u>PRESIDENT</u>
Date: <u>2/2/06</u>	Date: <u>NOVEMBER 29, 2005</u>

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 **Environmental Management Services, Inc.** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: Adam Schmidt

Title: Safety Coordinator

Signature: 

Date: 1/29/2013

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

CONTRACTOR'S ORIGINAL

**MASTER EMERGENCY
SPILL RESPONSE AGREEMENT**

by and between

Magellan Pipeline Company, L.P.

and

Hazmat Response, Inc.

Contract Number - MESRA 06MMLP062
Effective May 1, 2006

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

THIS MASTER EMERGENCY SPILL RESPONSE AGREEMENT (“ Agreement”), entered into to be effective this [REDACTED] day of [REDACTED] 2006 by and between, HAZMAT RESPONSE, INC, a corporation with its principal place of business in Olathe, KS (“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.

<p>Magellan Pipeline Company, L.P. by Magellan Pipeline GP, LLC, its general partner</p>	<p>Hazmat Response, Inc.</p>
<p>By: <u>Melanie Little</u></p>	<p>By: <u>John W. Stockdale</u></p>
<p>Name: <u>Melanie Little</u></p>	<p>Name: <u>John W. Stockdale</u></p>
<p>Title: <u>Director, HSTS</u></p>	<p>Title: <u>PRESIDENT</u></p>
<p>Date: <u>6/16/06</u></p>	<p>Date: <u>4-18-06</u></p>

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 **Haz-Mat Response, Inc.** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: John W. Stockdale
Title: PRESIDENT
Signature: John W. Stockdale
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

ANNUAL EXERCISE STATEMENT

DECEMBER 18, 2012

2012 PREP STATEMENT

To whom it may concern,

HAZ-MAT RESPONSE, INC. has fulfilled the annual deployment and exercise requirements, under OPA 90 PREP Guidelines.

During 2012, HAZ-MAT RESPONSE, INC.:

- Exercised a representative amount of each type of boom
- Exercised recovery equipment
- Exercised and trained personnel in oil spill recovery techniques.

HAZ-MAT RESPONSE, INC. fulfilled the requirements with spill response and exercises.

Please direct any questions concerning OPA 90, OSRO and HAZ-MAT RESPONSE, INC. services to Robert McRae at **800-229-5252, ext. 256.**

Thank you,



Larry Horne
HMR, Inc.

MESRA – OSRO Non-Classified
Contract Number 13MMLP106

**MASTER EMERGENCY
SPILL RESPONSE AGREEMENT
(OSRO Non-Classified)**

by and between

Magellan Pipeline Company, L.P.

and

Heritage Environmental Services, LLC

Contract Number MESRA 13MMLP106

Effective August 14, 2013

MASTER EMERGENCY SPILL RESPONSE AGREEMENT

THIS MASTER EMERGENCY SPILL RESPONSE AGREEMENT ("Agreement"), entered into to be effective this ____ day of _____, 2013, by and between **HERITAGE ENVIRONMENTAL SERVICES, LLC**, an Indiana limited liability company, with its principal place of business in **Indianapolis, Indiana** ("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").

23. Assignment

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.

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.

<p>MAGELLAN PIPELINE COMPANY, L.P. By: Magellan Pipeline GP, LLC, Its General Partner By: <u>[Signature]</u> Name: <u>Rick Fahrenkrug</u> Title: <u>Director, EHS</u> Date: <u>12/11/13</u></p>	<p>HERITAGE ENVIRONMENTAL SERVICES, LLC By: <u>[Signature]</u> Name: <u>Ernest G. White, Jr.</u> Title: <u>Vice President</u> Date: <u>8/22/13</u></p>
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May 15, 2007

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. 861101528282

**Subject: Notification of Plan Revision due to a Change of a Qualified Individual:
Midwest District Plan - PHMSA Sequence 562**

On behalf of Magellan Pipeline Company, L.P. (Magellan), the subject District Pipeline Response Plan has been revised to reflect a change in Qualified Individual Personnel. Mr. Brian Potratz has relocated from the Midwest District to another operating unit of Magellan; he was replaced in his position as Qualified Individual by Mr. Jon Jacobs.

A revised Plan Section 3 documenting the change is enclosed. The revised Plan Section 3 is intended to replace the existing Plan Section 3 in its entirety.

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.

A handwritten signature in black ink, appearing to read "Austin McClain", written over a faint, larger version of the signature.

Austin McClain
Emergency Response and Preparedness Coordinator

Enclosures:

1. Midwest District Plan - PHMSA Sequence 562, Section 3

**Midwest District Spill Response Plan (562)
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

(b) (7)(F), (b) (3)

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 would result in an inland operating area impacted. To calculate the planning volumes for onshore recovery:

(b) (7)(F), (b) (3)

The location is not a high-volume area so tiers are based on 12/36/60 hrs availability.

July 2010 Skimmer Inventory

Tier 1

Company	Total Capacity	Location	Distance	Time*
Magellan	1029	El Dorado	0	0
Heritage	137	KC	171	5
Heritage	137	Tulsa	164	5
Hazmat	1200	Olathe	149	5
Hazmat	1200	Wichita	32	1
Hazmat	1200	Great Bend	130	4
Acme	4800	Tulsa	164	5
Acme	1200	Tulsa	164	5
Magellan	480	Des Moines	364	11
Heritage	137	St. Louis	417	12
TAS	14400	Fort Worth	383	11
A-Clean	36000	Wilson, OK	215	7
Dillon	1200	Wilson, OK	215	7
Total	63120			

Tier 2

Company	Total Capacity	Location	Distance	Time
Heritage	137	Lemont, IL	660	19
WCEC	897	Minneapolis	607	18
Bay West	897	Minneapolis	607	18
Total	1931			

Skimmer availability is in excess of requirements.

*Time is computed at 35 mph.

Boom Inventory

Tier 1 Response

Company	Length	Location	Distance	Time*
Magellan	500	Sioux City	370	12
Magellan	325	Des Moines	364	11
Magellan	300	KC	171	5
Hazmat	500	Olathe	149	5
Hazmat	350	Wichita	32	1
Acme	18000	Tulsa	164	5
Heritage	6000	St. Louis	417	12
A-Clean	10300	Wilson, OK	215	7
TAS	1,000	Fort Worth	383	11
TAS	1,000	Dallas	388	11
Dillon	2,000	Wilson, OK	215	7
Dillon	1,000	Wilson, OK	215	7
Total	41,275			

Total amount of boom available appears sufficient for robust response.

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.

From: melanie.barber@dot.gov
Sent: Tuesday, October 20, 2009 1:22 PM
To: Bondy, Richard
Subject: FW: Magellan Pipeline Facility Response Plans for Sequence Numbers 560, 562, 565, 567, 1376, and 1377

Dear Mr. Bondy:

The United States Department of Transportation Office of Pipeline Safety has received electronic copies of the Facility Response Plans and the Facility Response Plan Questionnaires for Magellan Pipeline Facility Response Plans for Sequence Numbers 560, 562, 565, 567, 1376, and 1377. I have reviewed and approved the Facility Response Plans and the Facility Response Plan Questionnaires for Magellan Pipeline Facility Response Plans for Sequence Numbers 560, 562, 565, 567, 1376, and 1377.

Sincerely,

Melanie M. C. Barber
Environmental Planning Officer
United States Department of Transportation
Office of Pipeline Safety
Room E22-210
1200 New Jersey Avenue, S.E.
Washington, D.C. 20590
Office: 202-366-4560

From: Barber, Melanie (PHMSA)
Sent: Tuesday, October 13, 2009 4:39 PM
To: 'Bondy, Richard'
Subject: Magellan Pipeline Facility Response Plans for Sequence Numbers 560, 562, 565, 567, 1376, and 1377

Dear Mr. Bondy:

The United States Department of Transportation Office of Pipeline Safety has received electronic copies of the Facility Response Plans and the Facility Response Plan Questionnaires for Magellan Pipeline Facility Response Plans for Sequence Numbers 560, 562, 565, 567, 1376, and 1377. I will review them and follow up with you.

Sincerely,

Melanie M. C. Barber
Environmental Planning Officer
United States Department of Transportation
Office of Pipeline Safety
Room E22-210
1200 New Jersey Avenue, S.E.
Washington, D.C. 20590
Office: 202-366-4560

From: melanie.BARBER@dot.gov
To: [Bondy, Richard](#)
Subject: Magellan Pipeline Facility Response Plan Midwest District Sequence Number 562
Date: Wednesday, October 22, 2008 4:19:21 PM

October 22, 2008

Mr. Richard Bondy
Magellan Midstream Partners
One Williams Center
P.O. Box 22186
Tulsa, Oklahoma 74121-2186

Dear Mr. Bondy:

The United States Department of Transportation Office of Pipeline Safety has received two electronic copies of the Facility Response Plan and the Facility Response Plan Questionnaire for Magellan Midstream Partners' Midwest District Pipeline Response Zone Facility Response Plan Sequence Number 562 which Magellan Midstream Partners is required to submit to the Department of Transportation under the Oil Pollution Act of 1990. Based on my review of your answers to the Facility Response Plan Questionnaire, I have approved Magellan Midstream Partners' Midwest District Pipeline Response Zone Facility Response Plan Sequence Number 562.

Sincerely,

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
Office: 202-366-4560

From: Bondy, Richard [mailto:Richard.Bondy@magellanlp.com]
Sent: Wednesday, October 22, 2008 1:59 PM
To: Barber, Melanie <PHMSA>
Subject: Magellan Pipeline Plan Submittal

Ms. Barber;

I have attached a letter describing Magellan's resubmittal of the Midwest District (562) Pipeline Plans. Attached to that letter is a completed Facility Response Plan Review. The letter describes how to access our online plans using the link I provided earlier this year. If you would prefer a CD copy of these plans, or wish to discuss the plans, please feel free to call.

Rick Bondy

Emergency Response and Preparedness Coordinator
Magellan Midstream Holdings GP, LLC
Office: 918.574.7363
Cell (b) (6)

Legend

 Magellan Pipeline (Active)	 Map Index
 Magellan Pipeline (Inactive)	 High Population Area
 Magellan Crude Pipeline	 District_County


100 50 0 100 200
Miles

Midwest District Sheet Index


12/5/2013

Legend

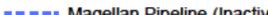
- Magellan Pipeline (Active)
- - - Magellan Pipeline (Inactive)
- Magellan Crude Pipeline
- High Population Area
- District_County

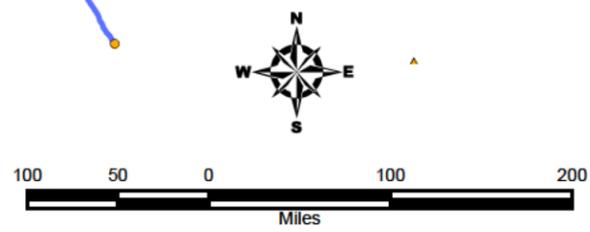
Midwest District Map

100 50 0 100 200
Miles

MAGELLAN
MIDSTREAM PARTNERS, L.P.
12/5/2013

Legend

-  Magellan Pipeline (Active)
-  Magellan Pipeline (Inactive)
-  Magellan Crude Pipeline
-  High Population Area
-  District County
-  OSRO/Contractor Location
-  Tier I High Volume Areas (6 Hrs)
-  Tier I All Other Areas (12 Hrs)



Midwest District OSRO Overview Map



12/5/2013



Source: MMP, ESRI
© 2009-2014 Magellan Midstream Partners, L.P.

Magellan Pipeline Systems

Pipeline System Map



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



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety Administration**

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

December 30, 2013

Richard Bondy
Emergency Response & Preparedness Coordinator
Magellan Pipeline Company, L.P.
One Williams Center, MD 29
Tulsa, Oklahoma 74121

**RE: LETTER OF APPROVAL: Magellan Pipeline Company, L.P., Midwest District, Sequence
Number: 0562, 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., Midwest District dated July 30, 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.

The review identified an area in the Plan that needs further attention. While this issue does not significantly impact the Plan's effectiveness, this comment must be as addressed as highlighted in the NEEDED ACTION section to provide a more thorough and comprehensive Plan. This change must be made no later than the next annual review of the Plan.

This approval is valid for five years from the date of this letter. You must revise and resubmit a Response Plan for approval by **December 30, 2018**. 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

Attachment: Action Needed on Response Plan Sequence #0562

cc: PHMSA Central and Western Regions

Action Needed on Response Plan Sequence #0562

Immediate Notice of Certain Accidents

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: Section 3.1 of the Plan correctly states that the National Response Center (NRC) reporting must be made at the earliest practical moment following an NRC reportable event, but does not describe in which events the NRC is to be reported.

NEEDED ACTION: Please amend the Plan to indicate that notification must be made to the NRC of any failure that resulted in pollution of any stream, river, lake, reservoir, or other similar body of water that violated applicable water quality standards, as per Part 195.52(a)(4).



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,

A handwritten signature in black ink, appearing to read "Richard Bondy", with a stylized flourish at the end.

Richard Bondy
Supervisor, Environmental, Emergency Response and Security
Magellan Pipeline Company, 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,

A handwritten signature in black ink, appearing to be "R. Bondy", written in a cursive style.

Richard Bondy
Emergency Response and Preparedness Coordinator
Magellan Pipeline Company, L.P.



June 29, 2011

VIA FEDEX 794923770130

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 562

Dear Ms. Barber:

Magellan recently acquired a petroleum storage facility in Riverside, Missouri, a short distance from our Kansas City, Kansas facility. Along with this acquisition, Magellan purchased a short length of pipeline connecting the two. I am submitting for your files, revised copies of Magellan Facility Response Plans # 562. Aside from revising maps, sensitive areas and distribution lists to show the new facility, there are no major changes in this revision, as the worst case discharge did not change and the new facility is adequately covered by existing OSRO contracts.

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.

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,

A handwritten signature in black ink, appearing to read "R. Bondy", with a long horizontal stroke extending to the right.

Richard Bondy
Emergency Response and Preparedness Coordinator
Magellan Pipeline Company, L.P.



March 21, 2011

VIA FEDEX 796891192039

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 562, 567

Dear Ms. Barber:

I am submitting for your files, revised copies of Magellan Facility Response Plans # 562 and 567. There are no major changes in this revision. I am also submitting a FRP questionnaire along with each plan.

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,

A handwritten signature in black ink, appearing to read "R. Bondy", with a long horizontal flourish extending to the right.

Richard Bondy
Emergency Response and Preparedness Coordinator
Magellan Pipeline Company, L.P.



October 28, 2011

Via Fedex 7953 4540 5094
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: Pipeline Response Zone Plan, Midwest District #562
Pipeline Response Zone Plan, Northern District #567

Dear Ms. Barber:

I am submitting for your files, revised copies of Magellan Facility Response Plan # 562 and #567. This change is a result of moving a section of pipeline located in southeast Nebraska from the Midwest District to the Northern District. As a result of this move, the Worst Case Discharge in plan #567 has moved to Nebraska City Station. The Worst Case Discharge for plan #562 was unaffected.

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,

A handwritten signature in black ink, appearing to read "R. Bondy", with a long horizontal flourish extending to the right.

Richard Bondy
Emergency Response and Preparedness Coordinator
Magellan Pipeline Company, 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-EI Paso areas. The Northern, Midwest and Southeast Plans are being resubmitted because of re-districting. The Southern Plan is being submitted for renewal, and the Houston-EI 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 – EI Paso - This pipeline has been operated by Magellan and was recently purchased. The response plan modifies 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.

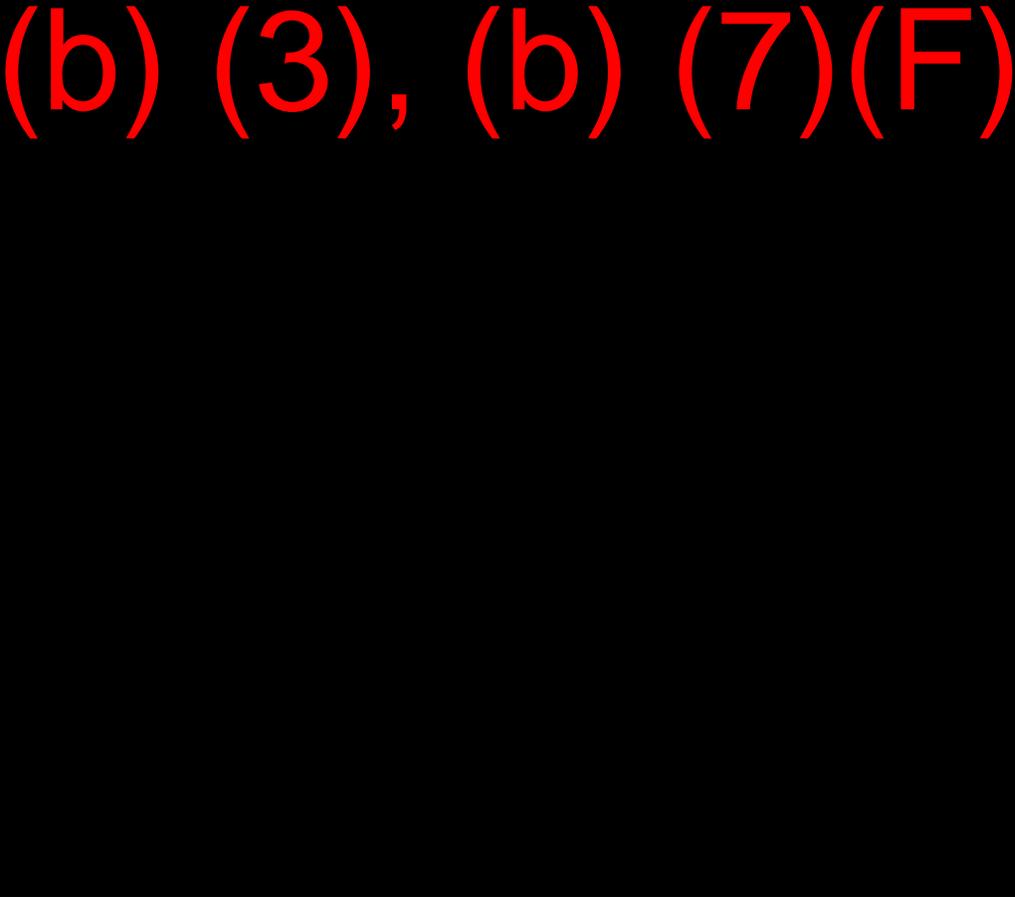
If you would like to discuss the details of this submittal, please feel free to contact me at (918) 574-7363. Please forward all correspondence to my attention at the address indicated below, or by email at Richard.bondy@magellanlp.com.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Bondy", with a long horizontal flourish extending to the right.

Richard Bondy
 Emergency Response and Preparedness Coordinator
 Magellan Pipeline Company, L.P.

(b) (3), (b) (7)(F)





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.

A handwritten signature in blue ink, appearing to read 'Austin McClain', written in a cursive style.

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)



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,

A handwritten signature in black ink, appearing to read "Richard Bondy".

Richard Bondy
Environmental Supervisor
Magellan Pipeline Company, L.P.



February 10, 2014

VIA FEDEX 797865449610

Mr. David Lehman
Acting 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 Letter of Approval dated December 30, 2013

Dear Mr. Lehman

In your recent Letter of Approval for the Midwest District (562) FRP, your office identified an area in the Plan that needed further attention and requested the plan be modified no later than the next annual review of the Plan. The needed action identified was:

Please amend the Plan to indicate that notification must be made to the NRC of any failure that resulted in pollution of any stream, river, lake, reservoir, or other similar body of water that violated applicable water quality standards as per Part 195.52(a)(4).

Section 3.1 of the Plan has been modified to incorporate this requirement. The new language is:

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.

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,

A handwritten signature in black ink, appearing to read "Richard Bondy", with a vertical line to the left of the name.

Richard Bondy
Environmental Supervisor
Magellan Pipeline Company, L.P.

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas & Oklahoma

[Pipeline List \(This Sheet\)](#)
6085 ARKANSAS CITY - PONCA CITY #1-8"

Scale: 1" = 4 Miles

**ARKANSAS CITY - PONCA CITY
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sACPC-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature No	NAME
(b) (3), (b) (7)(F)	
7	Pleasant View Church
8	Moran Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Colorado
[Pipeline List \(This Sheet\)](#)
 6917 AURORA - DENVER INTL. AIRPORT 10"

Scale: 1" = 2 Miles

**AURORA - DIA
 6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sADIA-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature No	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
2	Second Creek Raceway
3	Rocky Mountain Arsenal NWR
4	Altura Park
5	Cottonwood Park
6	Fairplay Park
7	Norfolk Glenn Park

Magellan Pipeline	Valve	Hospital
Magellan Pipeline - Inactive	Valve - Check	School
Other Magellan Pipeline	Milepost	Church
Terminal	High Population Area	Stadium
Pump Station	Other Population Area	Shopping Center
Meter Station	Ecological Area	Golf Course
Tank Farm	Drinking Water Area	Amusement Park
Pipeline Junction	Drinking Water Intake	Park/Wildlife Refuge
	Downstream Path	

State(s): Kansas

[Pipeline List \(This Sheet\)](#)
6090 ARGENTINE - KC #4-8"

Scale: 1" = 2 Miles

**ARGENTINE - KANSAS CITY
6.7 PIPELINE SENSITIVITY MAP**



6/27/2011

See Reverse for Sensitivity List

sAKC-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME	Feature_No	NAME
(b) (3), (b) (7)(F)		21	Wesleyan Church
		22	Wyandotte Church
		23	Indian Springs Marketplace
		24	Alvey Park
		25	City Park
		26	Clopper Field
		27	Coronado Park
		28	Edgerton Park
		29	Emerson Park
		30	Fairfax Park
		31	Garland Memorial Park
		32	Parkwood Park
		33	Quindara Park
		34	Ruby Park
		35	Silver City Park
		36	Welborn Park
19	Community Church		
20	Springvale Church		

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Oklahoma & Kansas

[Pipeline List \(This Sheet\)](#)
6060 BARNSDALL - EL DORADO #7-16"

Scale: 1" = 4 Miles

**BARNSDALL - EL DORADO
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sBED-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

(None)

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas
[Pipeline List \(This Sheet\)](#)
 6060 BARNSDALL - EL DORADO #7-16"

Scale: 1" = 4 Miles

**BARNSDALL - EL DORADO
 6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sBED-2

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature No	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
6	Calvary Tabernacle First Unite
7	Church of Christ
8	Church of God in Prophecy
9	Grace Lutheran Church
10	Living Water Chapel
11	Park Avenue Baptist Church
12	Summit Wesleyan Church
13	Temple Baptist Church
14	American Legion Golf Course
15	Graham Park
16	Knutson Park
17	Southwest Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas

[Pipeline List \(This Sheet\)](#)

- 6020 BARNSDALL - KANSAS CITY #3-8"
- 6025 BARNSDALL - KANSAS CITY #4-12"
- 6030 BARNSDALL - KANSAS CITY #5-12"

Scale: 1" = 2 Miles

**BARNSDALL - KANSAS CITY
6.7 PIPELINE SENSITIVITY MAP**



12/14/2009

See Reverse for Sensitivity List

sBKC-4

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME	Feature_No	NAME
(b) (3), (b) (7)(F)		16	Heritage Park Golf Course
		17	West Links Golf Course
		18	Wolf Creek Golf Club
		19	Black Bob Park
		20	Cottonwood Park
		21	Frontier Park
		22	Heritage Park
		23	Rock Creek Park
		24	Thomas Stoll Park
		25	Valleybrooke Park
		26	Westgate Park
15	Northridge Plaza		

Magellan Pipeline	Valve	Hospital
Magellan Pipeline - Inactive	Valve - Check	School
Other Magellan Pipeline	Milepost	Church
Terminal	High Population Area	Stadium
Pump Station	Other Population Area	Shopping Center
Meter Station	Ecological Area	Golf Course
Tank Farm	Drinking Water Area	Amusement Park
Pipeline Junction	Drinking Water Intake	Park/Wildlife Refuge
	Downstream Path	

State(s): Kansas
[Pipeline List \(This Sheet\)](#)
 6020 BARNSDALL - KANSAS CITY #3-8"
 6025 BARNSDALL - KANSAS CITY #4-12"
 6030 BARNSDALL - KANSAS CITY #5-12"

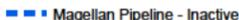
Scale: 1" = 2 Miles

**BARNSDALL - KANSAS CITY
 6.7 PIPELINE SENSITIVITY MAP**



6/28/2011

See Reverse for Sensitivity List

-  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): Kansas
[Pipeline List \(This Sheet\)](#)
 6103 CUSHING - BOYER 8" (CIMARRON)

Scale: 1" = 4 Miles

**CUSHING - EL DORADO
 6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
(b) (3), (b) (7)(F)	
2	Prairie View Church
3	Webster Church
4	Zion Church

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Oklahoma & Kansas

[Pipeline List \(This Sheet\)](#)
6102 CUSHING - EL DORADO 20" (OSAGE)

Scale: 1" = 4 Miles

**CUSHING - EL DORADO 20"
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sCED-2

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

(b) (3), (b) (7)(F)

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas

[Pipeline List \(This Sheet\)](#)
6102 CUSHING - EL DORADO 20" (OSAGE)

Scale: 1" = 4 Miles

**CUSHING - EL DORADO 20"
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
1	(b) (3), (b) (7)(F)
2	
3	
4	
5	
6	Garvin Park
7	Moyle Field

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Nebraska & Iowa

[Pipeline List \(This Sheet\)](#)

- 6810 CAPEHART JCT. - CAPEHART TERM. 10"
- 6815 CAPEHART TERM. - OFFUTT AFB 6"
- 6820 OFFUTT AFB - AMOCO COUNCIL BLUFFS 4"

Scale: 1" = 2 Miles

**CAPEHART JCT - COUNCIL BLUFFS
6.7 PIPELINE SENSITIVITY MAP**



12/16/2009

See Reverse for Sensitivity List

sCJCB-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature No	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
3	Anderson Grove Church
4	Lakeshore Country Club
5	Tregaron Golf Course
6	Willow Lakes Golf Course
7	Lake Manawa State Park
8	Iwf Trailhead Park
9	Longs Landing County Park
10	Manawa City Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Iowa

[Pipeline List \(This Sheet\)](#)

- 6150 DES MOINES - MISSISSIPPI RIVER #5-8"
- 6155 DES MOINES - MISSISSIPPI RIVER #6-12"

Scale: 1" = 4 Miles

**DES MOINES - CHICAGO
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sDMC-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
(b) (3), (b) (7)(F)	
2	Mount Zion Church
3	Copper Creek Golf Course
4	Doanes Park
5	Polk County Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Iowa

[Pipeline List \(This Sheet\)](#)

6185 DES MOINES - MINNEAPOLIS #4-12"
6375 DES MOINES - MASON CITY #7-12"

Scale: 1" = 4 Miles

**DES MOINES - MINNEAPOLIS
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sDMM-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
(b) (3), (b) (7)(F)	
4	Cory Grove Church
5	Adventure Village
6	Adventure Land Amusement Park
7	Copper Creek Golf Course
8	Doanes Park
9	Polk County Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas

[Pipeline List \(This Sheet\)](#)
 6912 EL DORADO - AURORA 10" / 12"
 6910 SUNSET - CHASE 16"

Scale: 1" = 4 Miles

**EL DORADO - AURORA
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sEDA-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
3	Speedway
4	Wichita Greyhound Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas

[Pipeline List \(This Sheet\)](#)
6912 EL DORADO - AURORA 10" / 12"

Scale: 1" = 4 Miles

**EL DORADO - AURORA
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sEDA-2

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

(none)

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas

[Pipeline List \(This Sheet\)](#)
6912 EL DORADO - AURORA 10" / 12"

Scale: 1" = 4 Miles

**EL DORADO - AURORA
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sEDA-3

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
1	Calvary Church

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas

[Pipeline List \(This Sheet\)](#)
6912 EL DORADO - AURORA 10" / 12"

Scale: 1" = 4 Miles

**EL DORADO - AURORA
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

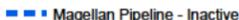
sEDA-4

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

(none)

- | | | |
|--|---|--|
|  Magellan Pipeline |  Milepost |  Hospital |
|  Magellan Pipeline - Inactive |  High Population Area |  School |
|  Other Magellan Pipeline |  Other Populated Area |  Church |
|  Terminal |  Ecological Area |  Amusement Park |
|  Pump Station |  Drinking Water Area |  Stadium |
|  Meter Station |  Drinking Water Intake |  Shopping Center |
|  Pipeline Junction |  Downstream Path |  Golf Course |
|  Valve | |  Park/Wildlife Refuge |
|  Valve - Check | | |

State(s): Kansas

[Pipeline List \(This Sheet\)](#)
6912 EL DORADO - AURORA 10" / 12"

Scale: 1" = 4 Miles

**EL DORADO - AURORA
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sEDA-5

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
1	Dinas Church

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas & Colorado

[Pipeline List \(This Sheet\)](#)
6912 EL DORADO - AURORA 10" / 12"

Scale: 1" = 4 Miles

**EL DORADO - AURORA
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sEDA-6

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

(none)

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Colorado

[Pipeline List \(This Sheet\)](#)
6912 EL DORADO - AURORA 10" / 12"

Scale: 1" = 4 Miles

**EL DORADO - AURORA
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sEDA-7

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
1	New Freidonburg Church
2	Mossland Memorial Golf Course

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Colorado

[Pipeline List \(This Sheet\)](#)
6912 EL DORADO - AURORA 10" / 12"

Scale: 1" = 4 Miles

**EL DORADO - AURORA
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sEDA-8

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

(none)

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Colorado

[Pipeline List \(This Sheet\)](#)
6912 EL DORADO - AURORA 10" / 12"

Scale: 1" = 2 Miles

**EL DORADO - AURORA
6.7 PIPELINE SENSITIVITY MAP**



12/15/2009

See Reverse for Sensitivity List

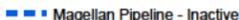
sEDA-9

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
3	Cottonwood Park
4	Fairplay Park
5	Norfolk Glenn Park
6	Terrace Park
7	Triangle Park

-  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): Kansas
[Pipeline List \(This Sheet\)](#)
 6080 EL DORADO - HUMBOLDT #1-8"

Scale: 1" = 4 Miles

**EL DORADO - HUMBOLDT
 6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sEDH-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature No	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
3	Calvary Tabernacle First Unite
4	Church of Christ
5	Church of God in Prophecy
6	Grace Lutheran Church
7	Living Water Chapel
8	Park Avenue Baptist Church
9	Summit Wesleyan Church
10	Temple Baptist Church
11	American Legion Golf Course
12	Graham Park
13	Knutson Park
14	Southwest Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas

[Pipeline List \(This Sheet\)](#)
6080 EL DORADO - HUMBOLDT #1-8"

Scale: 1" = 4 Miles

**EL DORADO - HUMBOLDT
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sEDH-2

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
1	Maple Grove Church
2	Toronto State Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas
[Pipeline List \(This Sheet\)](#)
 6110 EL DORADO - KANSAS CITY #6-10"

Scale: 1" = 4 Miles

**EL DORADO - KANSAS CITY
 6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

SEDKC-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
------------	------

(b) (3), (b) (7)(F)

6	Calvary Tabernacle First Unite
7	Chelsea Church
8	Church of Christ
9	Church of God in Prophecy
10	First Southern Baptist Church
11	Grace Lutheran Church
12	Jehovahs Witness Kingdom Churc
13	Living Water Chapel
14	Park Avenue Baptist Church
15	Summit Wesleyan Church
16	Temple Baptist Church
17	Trinity United Methodist Churc
18	American Legion Golf Course
19	El Dorado State Park
20	Graham Park
21	Knutson Park
22	Rice Park
23	Southwest Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas
[Pipeline List \(This Sheet\)](#)
 6110 EL DORADO - KANSAS CITY #6-10"

Scale: 1" = 4 Miles

**EL DORADO - KANSAS CITY
 6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

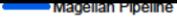
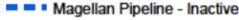
SEDKC-2

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
6	Stotler Church
7	Flinthills Mall
8	Emporia Country Club

-  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 \(This Sheet\)](#)
 6110 EL DORADO - KANSAS CITY #6-10"

Scale: 1" = 4 Miles

**EL DORADO - KANSAS CITY
 6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

SEDKC-3

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

(b) (3), (b) (7)(F)

7	Wakarusa Presbyterian Church
8	Clinton State Park
9	Burcham Park
10	Deerfield Park
11	Martin Park
12	Riverfront Park

Magellan Pipeline	Valve	Hospital
Magellan Pipeline - Inactive	Valve - Check	School
Other Magellan Pipeline	Milepost	Church
Terminal	High Population Area	Stadium
Pump Station	Other Population Area	Shopping Center
Meter Station	Ecological Area	Golf Course
Tank Farm	Drinking Water Area	Amusement Park
Pipeline Junction	Drinking Water Intake	Park/Wildlife Refuge
	Downstream Path	

[Pipeline List \(This Sheet\)](#)
6110 EL DORADO - KANSAS CITY #6-10"

Scale: 1" = 2 Miles

6.7 PIPELINE SENSITIVITY MAP



6/27/2011

See Reverse for Sensitivity List

SEDKC-4

Water Intakes within 50 Miles Downstream

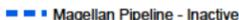
(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature No	NAME
------------	------

(b) (3), (b) (7)(F)

6	Brenner Heights Church
7	The Legends at Village West
8	Kansas Speedway
9	Sandstone Amphitheatre
10	Woodlands Race Track
11	Sunflower Golf Course
12	Quindara Park
13	Wyandotte County Park
14	Wyandotte County Park

- | | | |
|--|---|--|
|  Magellan Pipeline |  Milepost |  Hospital |
|  Magellan Pipeline - Inactive |  High Population Area |  School |
|  Other Magellan Pipeline |  Other Populated Area |  Church |
|  Terminal |  Ecological Area |  Amusement Park |
|  Pump Station |  Drinking Water Area |  Stadium |
|  Meter Station |  Drinking Water Intake |  Shopping Center |
|  Pipeline Junction |  Downstream Path |  Golf Course |
|  Valve | |  Park/Wildlife Refuge |
|  Valve - Check | | |

State(s): Kansas

[Pipeline List \(This Sheet\)](#)
6380 EL DORADO - WATHENA JCT. #7-16"

Scale: 1" = 4 Miles

**EL DORADO - DES MOINES
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sEDM-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
------------	------

(b) (3), (b) (7)(F)

6	Calvary Tabernacle First Unite
7	Chelsea Church
8	Church of Christ
9	Church of God in Prophecy
10	First Southern Baptist Church
11	Grace Lutheran Church
12	Jehovahs Witness Kingdom Churc
13	Living Water Chapel
14	Park Avenue Baptist Church
15	Summit Wesleyan Church
16	Temple Baptist Church
17	Trinity United Methodist Churc
18	American Legion Golf Course
19	El Dorado State Park
20	Graham Park
21	Knutson Park
22	Rice Park
23	Southwest Park
24	Summit Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas

[Pipeline List \(This Sheet\)](#)
6380 EL DORADO - WATHENA JCT. #7-16"

Scale: 1" = 4 Miles

**EL DORADO - DES MOINES
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

(b) (3), (b) (7)(F)

6	Stotler Church
7	Wakarusa Presbyterian Church
8	Flinthills Mall
9	Emporia Country Club

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas

[Pipeline List \(This Sheet\)](#)
6380 EL DORADO - WATHENA JCT. #7-16"

Scale: 1" = 4 Miles

**EL DORADO - DES MOINES
6.7 PIPELINE SENSITIVITY MAP**

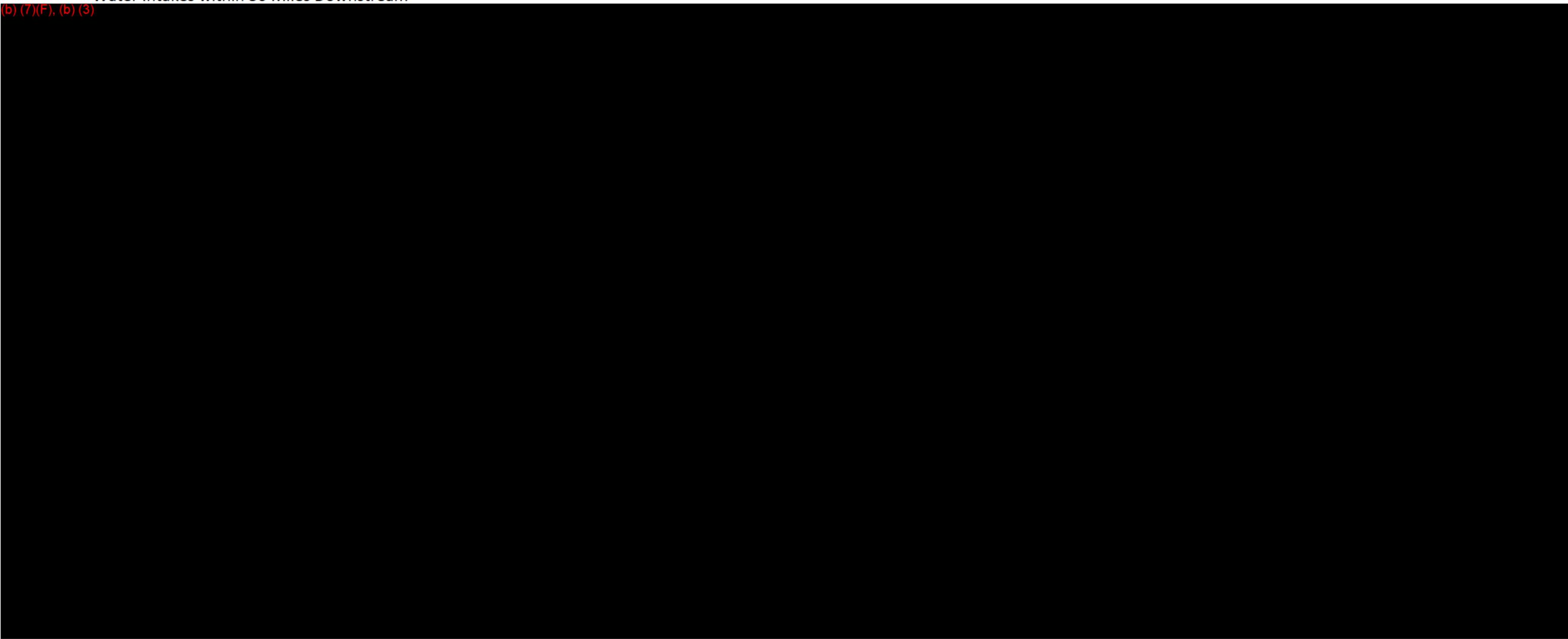


12/10/2009

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)



Sensitivities within 1 Mile

(b) (3), (b) (7)(F)

4	Bethel Church
5	Midway Chapel
6	Bellevue Country Club
7	Pineview Country Club

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas

[Pipeline List \(This Sheet\)](#)

- 6380 EL DORADO - WATHENA JCT. #7-16"
- 6385 WATHENA JCT. - ST. JOSEPH #7-10"
- 6395 WATHENA JCT. - DES MOINES #7-16"

Scale: 1" = 4 Miles

**EL DORADO - DES MOINES
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sEDM-4

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature No	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
4	Bedford Chapel (Abandoned)
5	Christ Church
6	Saint Johns Church

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas & Iowa

[Pipeline List \(This Sheet\)](#)
6395 WATHENA JCT. - DES MOINES #7-16"

Scale: 1" = 4 Miles

**EL DORADO - DES MOINES
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
1	Fletchall Church
2	Maquoketa Country Club
3	Mount Ayr Golf and Country Club
4	Poe Hollow County Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Iowa
[Pipeline List \(This Sheet\)](#)
 6395 WATHENA JCT. - DES MOINES #7-16"

Scale: 1" = 4 Miles

**EL DORADO - DES MOINES
 6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sEDM-6

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)



Sensitivities within 1 Mile

Feature_No	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
3	Ohio Church

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas

[Pipeline List \(This Sheet\)](#)
 6913 EL DORADO - SCOTT CITY 10"
 6911 SUNSET - CHASE 8"

Scale: 1" = 4 Miles

**EL DORADO - SCOTT CITY
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sEDSC-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
3	Kansas Coliseum
4	Speedway
5	Wichita Greyhound Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas
[Pipeline List \(This Sheet\)](#)
 6913 EL DORADO - SCOTT CITY 10"

Scale: 1" = 4 Miles

**EL DORADO - SCOTT CITY
 6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sEDSC-2

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
(b) (3), (b) (7)(F)	

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas
[Pipeline List \(This Sheet\)](#)
 6913 EL DORADO - SCOTT CITY 10"

Scale: 1" = 4 Miles

**EL DORADO - SCOTT CITY
 6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

SEDSC-3

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature No	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
3	Calvary Church
4	Golden Belt Country Club

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas
[Pipeline List \(This Sheet\)](#)
 6913 EL DORADO - SCOTT CITY 10"

Scale: 1" = 4 Miles

**EL DORADO - SCOTT CITY
 6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sEDSC-4

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
1	Nekoma Church

MESRA -- Non OSRO
Contract Number 05MMLP226

**MASTER EMERGENCY
SPILL RESPONSE AGREEMENT (Non – Classified)
(OSRO)
by and between**

Magellan Pipeline Company, L.P.

and

Seneca Waste Solutions, LLC

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 Seneca Waste Solutions, LLC, a limited liability company with its principal place of business in Des Moines, Iowa (“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.

<p>MAGELLAN PIPELINE COMPANY, L.P. By: Magellan Pipeline GP, LLC, Its General Partner</p> <p>By: <u>Melanie Little</u> Name: <u>MELANIE LITTLE</u> Title: <u>DIRECTOR, EH&S</u> Date: <u>12-19-05</u></p>	<p>Seneca Waste Solutions, LLC</p> <p>By: <u>Chris Biellier, P.G.</u> Name: <u>Chris Biellier</u> Title: <u>Division Manager</u> Date: <u>11-16-05</u></p>
---	--



The Complete Solution

HEADQUARTERS

Des Moines, Iowa

P.O. Box 3360
Des Moines, IA
50316

4140 E. 14th Street
Des Moines, IA 50313
Phone: 515-262-5000
Toll-Free: 800-369-5500
Fax: 515-262-4951

**Emergency Spill Response
&
Support Equipment**

(Rev July 2010. Does Not Include Containment & Control Supplies)

Des Moines, Iowa Seneca Waste Solutions, Inc. Response Center

- One (1) 3,300 Gal 500 CFM Vane Vacuum Pumper Truck w/ 2,500 PSI Pressure Washer Unit
- One (1) 2,000 Gal 525 CFM Vane Vacuum Pumper w/ addn'l 3" Roper Transfer Pump and Washer Unit
- Two (2) 3,150 Gal 700 CFM Vane Vacuum Pumper Truck
- One (1) 6,000 Gal 540 CFM Vacuum Tanker
- One (1) 525 Gal 300 CFM Liquid Ring Combination Low Profile Vacuum Pumper / Response Truck
- One (1) 5,500 CFM 10 cyd Guzzler Wet/Dry Vacuum Loader Truck w/ extendable boom
- One (1) 6,000 CFM 16 cyd Super Sucker Wet/Dry Vacuum Loader Truck w/ 500 gpm liquid/sludge hydraulic offload pump, 2,000 psi pressure washer and 100 gallon fresh water reservoir
- One (1) 4,000 PSI to 10,000 PSI Combination Jetter / Water Blasting Truck
- One (1) 1 Ton Dually Emergency Response Equipment/Supply Truck
- One (1) 16' Emergency Spill Response Supply Trailer
- One (1) 14' Support / Equipment / Supplies Trailer
- Two (2) 35' Gooseneck Trailers w/ 300 HP 10,000 PSI to 24,000 PSI 6-Operation Water Blaster Units.
- One (1) 53' Semi /Enclosed Trailer w/ 2 - 300 HP 10,000 & 40,000 PSI 12-Operation Water Blaster Units
- Three (3) Freightliner Crew Cab Flatbed Tractors
- One (1) 18' Gooseneck Tank Cleaning Services Trailer w/ 2 - 3,500 PSI Landa Pressure Wash Units
- Three (3) ½ Ton Support Trucks
- Three (3) 1 Ton Crew Cab Support Trucks
- One (1) ¾ Ton CO2 / Nitrogen Bottle Truck
- One (1) Fifteen (15) Passenger Shuttle Van
- Three (3) 3,500 PSI Portable Pressure Washer Units
- One (1) 2,000 PSI Portable Pressure Washer Unit
- One (1) 150 PSI / 185 CFM Diesel Compressor Unit w/ Venturi Air Ventilation Horn and Nibbler Tool
- Two (2) 6,000 Watt Portable Generators
- One (1) Self Propelled Sod Cutting Machine
- One (1) 2" Air Diaphragm Pump
- One (1) Electric Drum Vac
- One (1) Miller Tri Pod Confined Space Retrieval / Fall Arrest Unit
- One (1) Jerome Mercury Vapor Detection Meter
- Three (3) Five Gas (LEL, O2, CO, H2S, Ammonia) Detection Meters
- Two (2) Four Gas (LEL, O2, CO, H2S) Detection Meters
- One (1) 2 Man Air Supply Machine
- One (1) 4-Bottle Cascade Air Breathing System
- One (1) Air Driven Coppus Ventilation Fan
- Twenty-Six (26) Portable Radios
- Four (4) 45 Minute SCBA's w/ Spare Bottles
- One (1) MSA Tripod Confined Space Retrieval Unit
- One (1) 16' Pipe & Kamiflex Hose Trailer
- Temporary Storage - ABS Poly Tanks: (2) 6k, (2) 3k, (1) 2.5k, (2) 1.65k, (2) 1.5K & (1) 1.35k Gallon Tanks

Branch Locations

Denver, CO ♦ Davenport, IA ♦ Oreana, IL ♦ Baldwyn, MS ♦ Grandview, MO ♦ Sioux City, IA

www.senecacompanies.com

Petroleum Equipment ♦ Petroleum Construction ♦ Petroleum Service ♦ Automotive Service Equipment ♦ Industrial Fluid Power & Handling Solutions ♦ Electrical Contracting ♦ Environmental Services ♦ Remediation Systems ♦ Waste Solutions/Hydro-Blasting



The Complete Solution

HEADQUARTERS

Des Moines, Iowa

P.O. Box 3360
Des Moines, IA
50316

4140 E. 14th Street
Des Moines, IA 50313
Phone: 515-262-5000
Toll-Free: 800-369-5500
Fax: 515-262-4951

Davenport, Iowa Seneca Waste Solution, Inc. Response Center

- Two (2) 6,000 CFM (28" Hg) / 16 CY Super Sucker Wet/Dry Vacuum Loader Trucks
- One (1) 3,300 Gal. 700 CFM Vane Vacuum Pumper Truck
- One (1) 3,150 Gal. 700 CFM Vane Vacuum Pumper Truck
- One (1) 525 Gal. 300 CFM Liquid Ring Combination Low Profile Vacuum Pumper / Response Truck
- One (1) 4,000 PSI to 15,000 PSI Combination Jetter / 2- Operation Water Blasting Truck
- One (1) Emergency Response / CO2/Nitrogen Bottle Equipment Cube Van w/ Lift Gate
- One (1) 1 Ton 4x4 Emergency Response Support Truck w/ Lift Gate
- Two (2) ½ Ton Support Trucks
- One (1) 16' Open Pipe Trailer
- One (1) 14' Emergency Spill Response Supply & Equipment Trailer
- One (1) 10' Enclosed Trailer w/ 3,500 PSI Hot Water Pressure Washer Unit w/ 150 Gal Fresh Water Reservoir
- One (1) 3,000 PSI Portable Hot Water Pressure Washer Unit
- One (1) 3,000 PSI Cold Water Pressure Washer Unit
- One (1) 15,000 psi water blasting mower unit
- One (1) Self Propelled Sod Cutter Machine
- Two (2) 3,500 Watt Portable Generators
- One (1) 150 PSI / 185 CFM Diesel Compressor w/ Venturi Air Ventilation Horn and Nibbler Tool
- Three (3) 1" to 2" Air Diaphragm Pumps
- Two (2) 45 Minute SCBAs w/ 2 Spare 45 Minute Bottles
- Two(2) 60 Minute SCBAs w/ Combination Cascade Air System
- One (1) Miller Quad Pod Confined Space Retrieval / Fall Arrest Unit
- One (1) 20" Cut Self Propelled Sod Cutter Machine
- One (1) 2" Centrifugal Petroleum Transfer Pump
- One (1) 2" to 3" Variable 30 HP Centrifugal Pump
- One (1) 2" 6 HP Centrifugal Pump
- Two (2) Electric Drum Vacs
- One (1) 2" 300 CFM Twin Venturi Air Driven Drum Vac
- Two (2) HEPA Vac Units
- Five (5) Portable Radios
- One (1) Tank Watchman Two Gas (LEL & O2) Detection Meter
- Two (2) Four Gas (LEL, O2, CO, H2S) Detection Meters
- Temporary Storage - ABS Poly Tanks: (1) 6k, (2) 1k & (3) 350 Gallon Tanks

Sioux City, Iowa - Seneca Waste Solutions Inc. Response Center

- One (1) 6,000 CFM (28" Hg) 16 Cubic Yard Guzzler Wet/Dry Vacuum Loader Truck
- One (1) 3,200 Gal. 750 CFM Vane Vacuum Pumper Truck w/ Roper Stinger Transfer Pump & 2,500 psi/30 gpm Jetter
- One (1) 18' Gooseneck Spill Response/Tank Cleaning Services Trailer w/ 1 - 3,500 psi Landa Pressure Wash Unit
- One (1) Heavy Duty Support Truck w/ Flatbed & Fuel Cell
- One (1) 1 Ton Heavy Duty Super Crew Cab Response Truck w/ 1 Ton Lift Gate
- Two (2) Light Duty Support Trucks
- One (1) 35' Gooseneck Trailer w/ 300 HP 12,000 PSI 6-Operation Water Blaster
- One (1) 6,000 Watt Generator
- One (1) 4-Gas Confined Space (LEL, O2, CO, H2S) Detection Meter
- Five (5) Portable Radios

Branch Locations

Denver, CO ♦ Davenport, IA ♦ Oreana, IL ♦ Baldwyn, MS ♦ Grandview, MO ♦ Sioux City, IA

www.senecacompanies.com

Petroleum Equipment ♦ Petroleum Construction ♦ Petroleum Service ♦ Automotive Service Equipment ♦ Industrial Fluid Power & Handling Solutions ♦ Electrical Contracting ♦ Environmental Services ♦ Remediation Systems ♦ Waste Solutions/Hydro-Blasting



The Complete Solution

HEADQUARTERS

Des Moines, Iowa

P.O. Box 3360
Des Moines, IA
50316

4140 E. 14th Street
Des Moines, IA 50313
Phone: 515-262-5000
Toll-Free: 800-369-5500
Fax: 515-262-4951

Kansas City, Missouri – Seneca Waste Solutions Inc. Response Center (Effective April 2010)

- **One (1) 3,100 Gal. 750 CFM Vane Pumper truck w/ 2,500 psi Pressure Washer Unit**
- **One (1) 525 Gal. 300 CFM Liquid Ring Combination Low Profile Vacuum / Response Truck with Pressure Washer**
- **One (1) 1 Ton Emergency Spill Response Support / Utility Truck**
- **One (1) 16' Tank Cleaning / Spill Response Equipment and Supply Trailer**
- **One (1) 3,000 PSI Pressure Washer Unit**
- **One (1) 6,000 Watt Generator**
- **One (1) 4-Gas Confined Space (LEL, O2, CO2, H2S) Detection Meter**

Denver, Colorado – Seneca Waste Solutions Inc. Response Center (Effective July 2010) – Limited Response

- **One (1) 505 Gal. 300 CFM Liquid Ring Combination Low Profile Vacuum / Response Truck with Pressure Washer**
- **One (1) 1 – Ton Stake Bed Support Truck with Lift Gate**

NOTE:

Does not include leased or rental equipment.

Does not include Seneca Environmental Inc. equipment.

Does not include mitigation, containment, control, absorption or neutralization supplies

Branch Locations

Denver, CO ♦ Davenport, IA ♦ Oreana, IL ♦ Baldwin, MS ♦ Grandview, MO ♦ Sioux City, IA

www.senecacompanies.com

Petroleum Equipment ♦ Petroleum Construction ♦ Petroleum Service ♦ Automotive Service Equipment ♦ Industrial Fluid Power & Handling Solutions ♦ Electrical Contracting ♦ Environmental Services ♦ Remediation Systems ♦ Waste Solutions/Hydro-Blasting

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 Seneca Waste Solutions, Inc. as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: Chris Biellie
 Title: General Manager
 Signature: 
 Date: January 10, 2011

*NOTE: NON-OSRO DEPLOYMENT ONLY
 * RESPONSE TO LAND BASED &
 NEAR SHORE SUPPORT OPERATIONS
 & FREQUENTLY
 EOB 1-10-2011

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

MESRA -- Non OSRO
Contract Number 05MMLP226

**MASTER EMERGENCY
SPILL RESPONSE AGREEMENT (Non – Classified)
(OSRO)
by and between**

Magellan Pipeline Company, L.P.

and

Seneca Waste Solutions, LLC

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 Seneca Waste Solutions, LLC, a limited liability company with its principal place of business in Des Moines, Iowa (“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.

<p>MAGELLAN PIPELINE COMPANY, L.P. By: Magellan Pipeline GP, LLC, Its General Partner</p> <p>By: <u>Melanie Little</u> Name: <u>MELANIE LITTLE</u> Title: <u>DIRECTOR, EH&S</u> Date: <u>12-19-05</u></p>	<p>Seneca Waste Solutions, LLC</p> <p>By: <u>Chris Biellier, P.G.</u> Name: <u>Chris Biellier</u> Title: <u>Division Manager</u> Date: <u>11-16-05</u></p>
---	--

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 **Seneca Waste Solutions, Inc.** as required by the Oil Pollution Act of 1990 and any related regulatory requirements.

By: Chris D. Biellier, P.G.
Title: General Manager
Signature: Chris D. Biellier
Date: January 22, 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

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Nebraska

[Pipeline List \(This Sheet\)](#)
6230 IRVINGTON - OMAHA #1-8"

Scale: 1" = 2 Miles

**IRVINGTON - OMAHA
6.7 PIPELINE SENSITIVITY MAP**



12/11/2009

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
5	St Philip Neri
6	United Brethren Church
7	Miller Park Golf Course
8	Shoreline Golf Course
9	Bluff View Park
10	Boyd Park
11	Burdette Park
12	Colonial Acres Park
13	Fillmore Park
14	Florence Park
15	Friendship Park
16	Glen Cunningham Lake Park
17	Graham Triangle Park
18	Kellom Park
19	Kenefick Park
20	Kountze Park
21	Levi Carter Park
22	Logan Park
23	Miller Park
24	N.P. Dodge Memorial Park
25	Park
26	Twenty-Eighth and Craig Park

Magellan Pipeline	Valve	Hospital
Magellan Pipeline - Inactive	Valve - Check	School
Other Magellan Pipeline	Milepost	Church
Terminal	High Population Area	Stadium
Pump Station	Other Population Area	Shopping Center
Meter Station	Ecological Area	Golf Course
Tank Farm	Drinking Water Area	Amusement Park
Pipeline Junction	Drinking Water Intake	Park/Wildlife Refuge
	Downstream Path	

State(s): Kansas & Missouri

[Pipeline List \(This Sheet\)](#)

6130 KANSAS CITY - DES MOINES #4-12"
6135 KANSAS CITY - DES MOINES #6-12"

Scale: 1" = 2 Miles

**KANSAS CITY - DES MOINES
6.7 PIPELINE SENSITIVITY MAP**



6/27/2011

See Reverse for Sensitivity List

sKCDM-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
(b) (3), (b) (7)(F)	
14	Gashland Church
15	Mount Olive Church
16	Metro North Mall
17	Metro North Shopping Center
18	Northtown Shops
19	Barry-Platte Park
20	Bauman Park
21	Briarcliff Park
22	Central Park
23	Crows Creek Park
24	Fox Hills Park
25	Garland Memorial Park
26	Hamilton Heights Park
27	Highland View Park
28	Hobby Hill Park
29	Line Creek Park
30	Morgan Park
31	Oak Grove Park
32	Romey Hills Park
33	Sherrydale Park
34	Waterworks Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Missouri

[Pipeline List \(This Sheet\)](#)
 6130 KANSAS CITY - DES MOINES #4-12"
 6135 KANSAS CITY - DES MOINES #6-12"

Scale: 1" = 4 Miles

**KANSAS CITY - DES MOINES
6.7 PIPELINE SENSITIVITY MAP**



12/11/2009

See Reverse for Sensitivity List

sKCDM-2

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
1	Brethren Church
2	Smith Fork Church
3	Perkins Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Missouri & Iowa

[Pipeline List \(This Sheet\)](#)
 6130 KANSAS CITY - DES MOINES #4-12"
 6135 KANSAS CITY - DES MOINES #6-12"

Scale: 1" = 4 Miles

**KANSAS CITY - DES MOINES
6.7 PIPELINE SENSITIVITY MAP**



12/11/2009

See Reverse for Sensitivity List

sKCDM-3

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature No	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
4	Oakland Church
5	Oland Church

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Iowa

[Pipeline List \(This Sheet\)](#)

- 6130 KANSAS CITY - DES MOINES #4-12"
- 6135 KANSAS CITY - DES MOINES #6-12"

Scale: 1" = 4 Miles

**KANSAS CITY - DES MOINES
6.7 PIPELINE SENSITIVITY MAP**



12/11/2009

See Reverse for Sensitivity List

sKCDM-4

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

(b) (3), (b) (7)(F)

8	Brown Chapel
9	Osceola Country Club
10	East Lake County Park
11	Easton Park
12	Hickory Hills County Park
13	Lions Park
14	Otter Creek County Park
15	Pickard Recreation Area

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas, Missouri

[Pipeline List \(This Sheet\)](#)

- 6495 FAIRFAX WEST - KCI AIRPORT 6"
- 6140 KANSAS CITY - FAIRFAX BRIDGE JCT. 6"
- 6490 18TH ST JCT - RIVERSIDE 8"

Scale: 1" = 2 Miles

**KANSAS CITY - KCI AIRPORT
6.7 PIPELINE SENSITIVITY MAP**



6/27/2011

See Reverse for Sensitivity List

sKCI-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
8	Edgerton Park
9	Fairfax Park
10	Garland Memorial Park
11	Parkwood Park

Magellan Pipeline	Valve	Hospital
Magellan Pipeline - Inactive	Valve - Check	School
Other Magellan Pipeline	Milepost	Church
Terminal	High Population Area	Stadium
Pump Station	Other Population Area	Shopping Center
Meter Station	Ecological Area	Golf Course
Tank Farm	Drinking Water Area	Amusement Park
Pipeline Junction	Drinking Water Intake	Park/Wildlife Refuge
	Downstream Path	

State(s): Kansas

[Pipeline List \(This Sheet\)](#)
 6220 KANSAS CITY - IRVINGTON #3-8"
 6225 KANSAS CITY - IRVINGTON #5-12"

Scale: 1" = 2 Miles

**KANSAS CITY - SIOUX FALLS
6.7 PIPELINE SENSITIVITY MAP**



6/27/2011

See Reverse for Sensitivity List

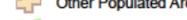
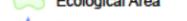
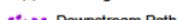
sKCSF-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME	Feature_No	NAME
(b) (3), (b) (7)(F)		(b) (3), (b) (7)(F)	
		27	Brenner Heights Church
		28	Emanuel Church
		29	Grandview Church
		30	Saint Francis Desales Church
		31	Northtown Shops
		32	Woodlands Race Track
		33	Leavenworth Country Club
		34	Briarcliff Park
		35	Edgerton Park
		36	Eisenhower Park
		37	Fairfax Park
		38	Garland Memorial Park
		39	Parkwood Park
40	Quindara Park		
41	Waterworks Park		
42	Welborn Park		
43	Wyandotte County Park		

-  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 \(This Sheet\)](#)
 6220 KANSAS CITY - IRVINGTON #3-8"
 6225 KANSAS CITY - IRVINGTON #5-12"

Scale: 1" = 4 Miles

**KANSAS CITY - SIOUX FALLS
 6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sKCSF-3

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
1	Saint Bernards Church

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Nebraska

- [Pipeline List \(This Sheet\)](#)
- 6220 KANSAS CITY - IRVINGTON #3-8"
 - 6225 KANSAS CITY - IRVINGTON #5-12"
 - 6235 IRVINGTON - SIOUX FALLS #3-8"
 - 6240 IRVINGTON - SIOUX FALLS #5-12"

Scale: 1" = 4 Miles

**KANSAS CITY - SIOUX FALLS
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sKCSF-4

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Feature_No	NAME
(b) (3), (b) (7)(F)	
12	Anderson Grove Church
13	Saint Timothy Church
14	Brentwood Square
15	Countryside Village
16	Rockbrook Village Shopping Center
17	Westroads Mall
18	Applewood Golf Course
19	Bay Hills Golf Course
20	Happy Hollow Golf Course
21	La Vista Falls Municipal Golf Course
22	Platteview CC
23	Plattsmouth Country Club
24	Sunset Valley Country Club
25	Tara Hills Golf Course
26	Tregaron Golf Course
27	Warren Swigart Golf Course
28	Wildwood Golf Course
29	Willow Lakes Golf Course
30	Armbrust Park

Feature_No	NAME
31	Bay Meadows Park
32	Brookside Park
33	Conoco Park
34	Democracy Park
35	Glen Cunningham Lake Park
36	Happy Hollow Park
37	Maple Village Park
38	Memorial Park
39	Mockingbird Heights Park
40	Mockingbird Hill Park
41	North Oaks Park
42	Oak Park
43	One Pacific Place Park
44	Orval Smith Park
45	Palamino Hills Park
46	Peony Park
47	Regency Park
48	Rockbrook Park
49	Seymour L. Smith Park
50	Sunnyslope Park
51	Tomahawk Hills Park
52	Towl Park
53	Wildewood Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Nebraska & Iowa

[Pipeline List \(This Sheet\)](#)
 6235 IRVINGTON - SIOUX FALLS #3-8"
 6240 IRVINGTON - SIOUX FALLS #5-12"

Scale: 1" = 4 Miles

**KANSAS CITY - SIOUX FALLS
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sKCSF-5

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
1	Mission Covenant Church
2	Riverside Church

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Iowa

- [Pipeline List \(This Sheet\)](#)
 6235 IRVINGTON - SIOUX FALLS #3-8"
 6240 IRVINGTON - SIOUX FALLS #5-12"

Scale: 1" = 4 Miles

**KANSAS CITY - SIOUX FALLS
6.7 PIPELINE SENSITIVITY MAP**



12/10/2009

See Reverse for Sensitivity List

sKCSF-6

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature No	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
5	Saint Johns Church
6	Saint Joseph Church
7	Hidden Acres Public Golf Course
8	Sloan Golf Course

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Nebraska

[Pipeline List \(This Sheet\)](#)
 6290 LINCOLN - LINCOLN AFB #1-6"
 6285 LINCOLN JCT. - BNRR #1-6"

Scale: 1" = 2 Miles

**LINCOLN - BURLINGTON NORTHERN
6.7 PIPELINE SENSITIVITY MAP**



12/15/2009

See Reverse for Sensitivity List

sLBN-1

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
1	Berniklaua Ed Solutions Team
2	Trinity Chapel
3	Pioneers Golf Course
4	Arnold Heights Park
5	Bowling Lake Park
6	Coddington and West A Park
7	Cooper Park
8	Lakeview Park
9	Olympic Heights
10	Pioneers Park
11	Schwartzkopf Park
12	Seacrest West Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas

[Pipeline List \(This Sheet\)](#)
6915 MCPHERSON - ANDALE JCT 10"

Scale: 1" = 4 Miles

**MCPHERSON - ANDALE JCT
6.7 PIPELINE SENSITIVITY MAP**



12/11/2009

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
1	Hoffnungsay Church
2	Turkey Creek Golf Course

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Kansas & Missouri

[Pipeline List \(This Sheet\)](#)
6350 OLATHE - COLUMBIA #7-8"

Scale: 1" = 2 Miles

**OLATHE - COLUMBIA
6.7 PIPELINE SENSITIVITY MAP**



12/11/2009

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature No	NAME
(b) (3), (b) (7)(F)	
16	Mission Bible Church
17	Mission Bible Church
18	River Oaks Golf Course
19	St Andrews Golf Course
20	Belvidere Park
21	Blue River Parkway
22	John Anderson Park
23	Longview Lake Park
24	Meadowmere Park
25	Nottingham South Park
26	Overland Park
27	Shalimar Park
28	Smith Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Missouri

[Pipeline List \(This Sheet\)](#)
6350 OLATHE - COLUMBIA #7-8"

Scale: 1" = 2 Miles

**OLATHE - COLUMBIA
6.7 PIPELINE SENSITIVITY MAP**



12/11/2009

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

(b) (3), (b) (7)(F)	
4	Shamrock Hills Golf Club
5	James A Reed Wildlife Area
6	Joel Dean Hitt Park

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

[Pipeline List \(This Sheet\)](#)
7170 RAPID CITY LATERAL 6"

Scale: 1" = 4 Miles

6.7 PIPELINE SENSITIVITY MAP



12/5/2013

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature No	NAME
2	H A Unthank Grave

(b) (3), (b) (7)(F)

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

[Pipeline List \(This Sheet\)](#)
7170 RAPID CITY LATERAL 6"

Scale: 1" = 4 Miles

6.7 PIPELINE SENSITIVITY MAP



12/5/2013

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

(None)

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

[Pipeline List \(This Sheet\)](#)
7170 RAPID CITY LATERAL 6"

Scale: 1" = 4 Miles

6.7 PIPELINE SENSITIVITY MAP



12/5/2013

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
1	Hines Cemetery
2	Horsehead Cemetery

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): South Dakota

[Pipeline List \(This Sheet\)](#)
7170 RAPID CITY LATERAL 6"

Scale: 1" = 4 Miles

**RAPID CITY LATERAL
6.7 PIPELINE SENSITIVITY MAP**



12/5/2013

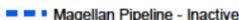
See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
1	Hines Cemetery
2	Horsehead Cemetery

 Magellan Pipeline	 Milepost	 Hospital
 Magellan Pipeline - Inactive	 High Population Area	 School
 Other Magellan Pipeline	 Other Populated Area	 Church
 Terminal	 Ecological Area	 Amusement Park
 Pump Station	 Drinking Water Area	 Stadium
 Meter Station	 Drinking Water Intake	 Shopping Center
 Pipeline Junction	 Downstream Path	 Golf Course
 Valve		 Park/Wildlife Refuge
 Valve - Check		

[Pipeline List \(This Sheet\)](#)
7170 RAPID CITY LATERAL 6"

Scale: 1" = 4 Miles

6.7 PIPELINE SENSITIVITY MAP



12/5/2013

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Feature No.	NAME
(b) (3), (b) (7)(F)	(b) (3), (b) (7)(F)
3	Rapid City Elks Golf Course

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Iowa
[Pipeline List \(This Sheet\)](#)
 6345 SIOUX CITY - MILFORD #1-6"

Scale: 1" = 4 Miles

**SIOUX CITY - MILFORD
 6.7 PIPELINE SENSITIVITY MAP**



12/11/2009

See Reverse for Sensitivity List

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
(b) (3), (b) (7)(F)	(b) (7)(F)
6	Trinity Church

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Iowa

[Pipeline List \(This Sheet\)](#)

6345 SIOUX CITY - MILFORD #1-6"

Scale: 1" = 4 Miles

**SIOUX CITY - MILFORD
6.7 PIPELINE SENSITIVITY MAP**



12/11/2009

See Reverse for Sensitivity List

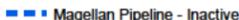
sSCM-2

Water Intakes within 50 Miles Downstream

(b) (7)(F), (b) (3)

Sensitivities within 1 Mile

Feature_No	NAME
(b) (3), (b) (7)(F)	
4	Paullina Golf Club
5	Mill Creek State Park

- | | | |
|--|---|--|
|  Magellan Pipeline |  Milepost |  Hospital |
|  Magellan Pipeline - Inactive |  High Population Area |  School |
|  Other Magellan Pipeline |  Other Populated Area |  Church |
|  Terminal |  Ecological Area |  Amusement Park |
|  Pump Station |  Drinking Water Area |  Stadium |
|  Meter Station |  Drinking Water Intake |  Shopping Center |
|  Pipeline Junction |  Downstream Path |  Golf Course |
|  Valve | |  Park/Wildlife Refuge |
|  Valve - Check | | |

[Pipeline List \(This Sheet\)](#)
7175 CASPER - DUPONT

Scale: 1" = 4 Miles

6.7 PIPELINE SENSITIVITY MAP



12/5/2013

See Reverse for Sensitivity List

sSF-1

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Wyoming

[Pipeline List \(This Sheet\)](#)
7175 CASPER - DUPONT

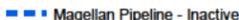
Scale: 1" = 4 Miles

**CASPER - FOUNTAIN
6.7 PIPELINE SENSITIVITY MAP**



12/5/2013

See Reverse for Sensitivity List

- | | | |
|--|---|--|
|  Magellan Pipeline |  Milepost |  Hospital |
|  Magellan Pipeline - Inactive |  High Population Area |  School |
|  Other Magellan Pipeline |  Other Populated Area |  Church |
|  Terminal |  Ecological Area |  Amusement Park |
|  Pump Station |  Drinking Water Area |  Stadium |
|  Meter Station |  Drinking Water Intake |  Shopping Center |
|  Pipeline Junction |  Downstream Path |  Golf Course |
|  Valve | |  Park/Wildlife Refuge |
|  Valve - Check | | |

[Pipeline List \(This Sheet\)](#)
7175 CASPER - DUPONT

Scale: 1" = 4 Miles

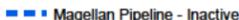
6.7 PIPELINE SENSITIVITY MAP



12/5/2013

See Reverse for Sensitivity List

sSF-4

- | | | |
|--|---|--|
|  Magellan Pipeline |  Milepost |  Hospital |
|  Magellan Pipeline - Inactive |  High Population Area |  School |
|  Other Magellan Pipeline |  Other Populated Area |  Church |
|  Terminal |  Ecological Area |  Amusement Park |
|  Pump Station |  Drinking Water Area |  Stadium |
|  Meter Station |  Drinking Water Intake |  Shopping Center |
|  Pipeline Junction |  Downstream Path |  Golf Course |
|  Valve | |  Park/Wildlife Refuge |
|  Valve - Check | | |

[Pipeline List \(This Sheet\)](#)
7175 CASPER - DUPONT

Scale: 1" = 4 Miles

6.7 PIPELINE SENSITIVITY MAP



12/5/2013

See Reverse for Sensitivity List

- | | | |
|------------------------------|-----------------------|----------------------|
| Magellan Pipeline | Milepost | Hospital |
| Magellan Pipeline - Inactive | High Population Area | School |
| Other Magellan Pipeline | Other Populated Area | Church |
| Terminal | Ecological Area | Amusement Park |
| Pump Station | Drinking Water Area | Stadium |
| Meter Station | Drinking Water Intake | Shopping Center |
| Pipeline Junction | Downstream Path | Golf Course |
| Valve | | Park/Wildlife Refuge |
| Valve - Check | | |

State(s): Colorado

[Pipeline List \(This Sheet\)](#)
7175 CASPER - DUPONT
7165 DUPONT - FOUNTAIN

Scale: 1" = 4 Miles

**CASPER - FOUNTAIN
6.7 PIPELINE SENSITIVITY MAP**



12/5/2013

See Reverse for Sensitivity List

- | | | |
|--|---|--|
|  Magellan Pipeline |  Milepost |  Hospital |
|  Magellan Pipeline - Inactive |  High Population Area |  School |
|  Other Magellan Pipeline |  Other Populated Area |  Church |
|  Terminal |  Ecological Area |  Amusement Park |
|  Pump Station |  Drinking Water Area |  Stadium |
|  Meter Station |  Drinking Water Intake |  Shopping Center |
|  Pipeline Junction |  Downstream Path |  Golf Course |
|  Valve | |  Park/Wildlife Refuge |
|  Valve - Check | | |

State(s): Colorado

[Pipeline List \(This Sheet\)](#)
7175 CASPER - DUPONT
7165 DUPONT - FOUNTAIN

Scale: 1" = 2 Miles

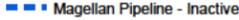
**CASPER - FOUNTAIN
6.7 PIPELINE SENSITIVITY MAP**



12/5/2013

See Reverse for Sensitivity List

sSF-7

- | | | |
|--|---|--|
|  Magellan Pipeline |  Milepost |  Hospital |
|  Magellan Pipeline - Inactive |  High Population Area |  School |
|  Other Magellan Pipeline |  Other Populated Area |  Church |
|  Terminal |  Ecological Area |  Amusement Park |
|  Pump Station |  Drinking Water Area |  Stadium |
|  Meter Station |  Drinking Water Intake |  Shopping Center |
|  Pipeline Junction |  Downstream Path |  Golf Course |
|  Valve | |  Park/Wildlife Refuge |
|  Valve - Check | | |

[Pipeline List \(This Sheet\)](#)
7165 DUPONT - FOUNTAIN

Scale: 1" = 4 Miles

6.7 PIPELINE SENSITIVITY MAP



12/5/2013

See Reverse for Sensitivity List



December 12, 2013

VIA FEDEX 797383446926
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 562

Dear Ms. Barber:

I am submitting for your approval a revised copy of the Midwest District Magellan Facility Response Plan. The Plan has been modified to reflect the addition of the formerly Plains Rocky Mountain Refined Products System.

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,

A handwritten signature in black ink, appearing to read "Richard Bondy".

Richard Bondy
Supervisor, Environmental, Emergency Response and Security
Magellan Pipeline Company, L.P.