BEFORE THE PUBLIC UTILITIES COMMISSION STATE OF SOUTH DAKOTA

IN THE MATTER OF THE PETITION OF TRANSCANADA KEYSTONE PIPELINE, LP FOR ORDER ACCEPTING CERTIFICATION OF PERMIT ISSUED IN DOCKET HP09-001 TO CONSTRUCT THE KEYSTONE XL PIPELINE

DOCKET HP14-001

15

PREFILED TESTIMONY OF KIMBERLY MCINTOSH ON BEHALF OF THE COMMISSION STAFF APRIL 2, 2015



1	Q.	State your name.	
2	A.	Kimberly McIntosh.	
3	Q.	By who are you employed?	
4	A.	State of South Dakota.	
5	Q.	For what department do you work?	
6	A.	Department of Environment and Natural Resources.	
7	Q.	State the program for which you work?	
8	A.	Ground Water Quality Program	
9	Q.	Please explain your role and duties within your department.	
10	A.	Senior Scientist Manager and team leader for the Spills Section of the Ground	
11	Water Quality Program. Oversee the enforcement of South Dakota's laws and rules		
12	related to spill and release reporting, assessment, and cleanup of regulated substance		
13	releases throughout the state. I manage the Regulated Substance Response Fund and		
14	oversee the state's response contractors that are under contract to respond to regulated		
15	substance releases. I manage the State's Brownfields Program which provides		
16	financial assistance for the assessment of abandoned contaminated sites. I act as the		
17	team leader overseeing the state's Emergency Planning and Community Right to Know		
18	Act (EPCRA) Program which collects chemical storage data from certain facilities in the		
19	state and provides information that information to local responders and planning		
20	committees. I am the department designated representative to the State's Homeland		
21	Security Task Force, and act as the department's emergency planning contact to work		
22	with the Office of Emergency Management and other state agencies in the event of a		
23	disas	ster. I am the Governor designated Regional Response Team Representative for	

1	Region VIII with responsibilities to coordinate with Federal agencies in the event of a	
2	hazardous material incident or disaster that threatens human health or the environment.	
3	Q.	On whose behalf was this testimony prepared?
4	A.	This testimony was prepared on behalf of the Staff of the South Dakota Public
5		Utilities Commission.
6	Q.	Were you involved in the Keystone XL permitting docket, HP09-001?
7	A.	Yes.
8	Q.	Did you file prefiled testimony in HP09-001?
9	A.	Yes. (ExhibitKM-1)
10	Q.	Did you also provide testimony at the evidentiary hearing in HP09-001?
11	A.	Yes.
12	Q.	Have you reviewed the information filed in HP14-001?
13	A.	Yes.
14	Q.	Have you reviewed the Final Supplemental Environmental Impact
15		Statement (FSEIS) for the Keystone XL project?
16	A.	Yes.
17	Q.	Have you reviewed TransCanada's Spill Prevention Control and
18		Countermeasure (SPCC) Plan and Emergency Response Plan (ERP),
19		identified as Appendix I of the FSEIS?
20	A.	Yes.
21	Q.	In your opinion, do the SPCC Plan and ERP adequately identify that
22		TransCanada has the appropriate resources available to respond to a spill
23		should one occur?

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2 Q. Has your opinion on the Keystone XL project changed since the Amended

3 Decision and Order was issued on June 29, 2010?

- 4 A. No.
- 5 Q. Are there any conditions in the Amended Final Decision and Order, dated
- 6 June 29, 2010, that you believe, at this time, that Keystone XL cannot
- 7 continue to meet?
- 8 A. No.

Exhibit___KM-1 Page 1 of 31

BEFORE THE PUBLIC UTILITIES COMMISSION STATE OF SOUTH DAKOTA

> KEYSTONE XL PROJECT DOCKET HP09-001

PREFILED TESTIMONY OF KIMBERLY LORRENE MCINTOSH ON BEHALF OF THE COMMISSION STAFF SEPTEMBER 2009

BEFORE THE PUBLIC UTILITIES COMMISSION STATE OF SOUTH DAKOTA PREFILED TESTIMONY OF KIMBERLY LORRENE MCINTOSH

- Q. State your full name.
- A. Kimberly Lorrene McIntosh.
- Q. State your employer.
- A. South Dakota Department of Environment and Natural Resources.
- Q. Explain the specific program for which you work.
- A. Ground Water Quality Program Spill Assessment and Cleanup Section. The spill section is responsible for documenting all reported regulated substance releases: petroleum, chemical, pesticide, fertilizer, metals, etc. The spill section maintains the program files and the environmental events database which contains information on each reported release. This section investigates complaints and releases, obtains environmental samples, provides direction to responsible parties, environmental consultants and local officials on state laws and rules, and issues letters directing the assessment and cleanup of contamination. This section is responsible for the SARA (Superfund Amendment and Reauthorization Act) Title III Program which requires that chemicals stored in certain quantities be reported to the state. The spill section also is responsible for other projects such as emergency planning and response, methaphedimine issues, low level radiation issues, and homeland security issues.
- Q. State what you do for this program.
- A. I direct and oversee the staff in the spill section. I evaluate information and data to identify and name responsible parties. I direct environmental contractors and responsible parties on emergency response activities, assessment and cleanup activities associated with spills, releases and un-permitted discharges. I manage the State Regulated Substance Response Fund and the Environmental Livestock

Fund. I am responsible for the selection and hiring of contractors to be used in the event that a responsible party is unable to perform a cleanup or refuses to perform a cleanup and the Regulated Substance Response Funds are necessary to remedy a situation. I am responsible for evaluation of spills and releases to insure that the cleanup meets state requirements.

Q. Explain the range of activities and duties your program covers and what you specifically do for the program.

A. I review consultant reports detailing sampling of soil and ground water contamination associated with all types of spills and releases of regulated substances. I review and approve cleanup plans and act as the team leader, directing day to day work activity of the spill section. Activities included in the spill section include the Superfund Amendment and Reauthorization Action (SARA) Title III activities, department emergency response activities, homeland security activities, and state emergency and disaster planning activities. I also represent the state on the Regional Response Team acting as a state liaison with EPA, and other federal agencies in the event of a multi-state disaster.

Q. On whose behalf was this testimony prepared?

- A. This testimony was prepared on behalf of the Staff of the South Dakota Public
 Utilities Commission (Staff).
- Q. What federal and state standards exist for petroleum spills?
- A. SDCL 34A-2, SDCL 34A-12, SDCL 34A-18 and ARSD Chapter 74:34:01, ARSD Chapter 74:54:01, ARSD Chapter 74:56:03, ARSD Chapter 74:56:05 and ARSD Chapter 74:10:05.
- Q. Which of those standards do you personally work with?
- A. All of the above.
- Q. What level of cleanup is required in the case of a petroleum spill?

A. All petroleum spills are evaluated to determine what damage has occurred and what risk to human health and the environment exists based on the specifics of each release: substance released, amount released, location of release, depth to ground water, threat to surface water, threat to basements, water wells, or utilities, etc. The department has established cleanup criteria and standards in which each release is evaluated against to protect human health and the environment, so not all petroleum releases are cleaned up to the same level of contamination.

Q. Can there by hydrocarbon left in the soil after a cleanup?

A. Yes, petroleum contamination may be left in the soil after a cleanup if the department determined that the remaining contamination does not pose a risk to human health or further risk to the environment.

Q. What kind of remediation activities are conducted in response to a hydrocarbon spill in soil?

A. Excavation and off site disposal/treatment of impacted soil, excavation and onsite treatment of impacted soil and in-situ soil vapor extraction.

Q. What kind of remediation activities are conducted in response to a hydrocarbon spill in groundwater?

Excavation of impacted soil and soil venting may be conducted in conjunction
 with ground water sparging. Ground water monitoring is conducted to document ground
 water conditions.

- Q. Explain other activities you use for remediation.
- A. Soil can be excavated and incinerated to destroy hydrocarbons.
- Q. What are the leak size requirements for a reportable spill?
- A. SDCL 34A-12: A release or spill of a regulated substance (petroleum) must be reported to DENR immediately_if any one of the following conditions exists:

- The discharge threatens or is in a position to threaten the waters of the state (surface water or ground water);
- The discharge causes an immediate danger to human health or safety;
- 3. The discharge exceeds 25 gallons; (For crude oil see bullet #8)
- 4. The discharge causes a sheen on surface water;
- The discharge of any substance that exceeds the ground water quality standards of ARSD chapter 74:54:01;
- The discharge of any substance that exceeds the surface water quality standards of ARSD chapter 74:54:01;
- The discharge of any substance that harms or threatens to harm wildlife or aquatic life;
- The discharge of crude oil in field activities under SDCL chapter
 45-9 is greater than 1 barrel (42 gallons).
- Q. Has there been any permanent natural resource damage in South Dakota as the result of a hydrocarbon pipeline leak?
- I am not aware of any permanent natural resource damage from a petroleum pipeline release.
- Q. Are there spills that cannot be remediated?
- A. I do not believe there are any petroleum spills that can not be remediated given sufficient time and resources.
- Q. Who is obligated to remediate a spill?
- A. SDCL 34A-12 identifies that the person or persons who caused the release are responsible to assess and cleanup the contamination. SDCL 34A-18-8 identifies that each crude oil pipeline operator must implement their response plan regardless of the cause of the party responsible for the release.

Q. How do you remediate hydrocarbon contaminated wells?

A. It depends on the level of contamination present in the well and in the ground water. The water from a contaminated well can be treated with a carbon filter system that removes (strips) the hydrocarbons.

Q. What if you can't achieve remediation of a well?

A. The responsible party is required to supply the well owner/user with an alternate source of drinking water. This may require drilling a new well in a different location, drilling a deeper well in a deeper formation or hooking the well user up to rural or city water supply.

Q. What is the extent of landowner involvement in remediation?

A. It depends on the situation. Some landowners want to be involved in the cleanup but most allow the department to work with the responsible party to get the cleanup work performed to state standards. The department copies the land owner on all written correspondence with the responsible party and consultant. If the land owner wishes to be involved with the cleanup, meetings may be held to address the concerns of the landowner and other interested parties. Copies of all documents can be provided if the land owner wishes to receive them.

Q. Does DENR have the resources to deal with a spill from a hydrocarbon pipeline such as Keystone XL?

A. The DENR has the resources necessary to oversee the assessment and cleanup of a crude oil release from existing crude oil pipelines and has the resources to oversee a release from the Keystone XL pipeline, if one should occur. The DENR manages a fund with sufficient resources to contain and initiate cleanup actions, if a release should occur, and the pipeline company is unable or refuses to perform the required response activities. Federal financial resources may also

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be available if the responsible party refuses or is unable to perform the cleanup work.

- Q. Does this pipeline place any additional burden on your program?
- A. The Keystone XL pipeline does not place additional burden on the Ground Water Quality Program.
- Q. Please explain the Regulated Substance Release Fund, the Superfund and/or any other program available to help fund a remediation project.
- A. Please see Attachment 1. Attachment 1 is a copy of Appendix I from the "Findings Report" dated December 1, 2008 from the South Dakota Underground Pipeline Task Force report. This attachment is information on the South Dakota Regulated Substance Response Fund. This information was previously compiled and provided to the South Dakota Underground Pipeline Task Force.

Q. Is all of the information contained in Attachment 1 current?

A. No. The Department of Environment and Natural Resources currently has seven environmental contractors under contract. Tetra Tech, Rapid City, South Dakota, is also now under contract. Also, the balance of the Regulated Substance Response Fund as of 06/30/09 was \$2,782,073.

Please also see Attachment 2. Attachment 2 is a copy of Appendix N from the "Findings Report" dated December 1, 2008 from the *South Dakota Underground Pipeline Task Force* report. This attachment is information on the federal Oil Spill Liability Trust Fund. This information was previously compiled and provided to the South Dakota Underground Pipeline Task Force.

Q. Any other information you believe the commission and the public will find useful.

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 A. The Ground Water Quality program has extensive staff experienced in overseeing the assessment and cleanup of all types of petroleum releases both in soils and ground water.

Appendix I

South Dakota Regulated Substance Response Fund

attachment 1

REGULATED SUBSTANCE RESPONSE FUND

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

CONTACTS: Steve Pirner, Secretary Tim Tollefsrud, Director

INTENT / USE / PURPOSE:

The money in the Regulated Substance Response Fund is continuously appropriated to provide funding for the clean up of regulated substance discharges. The Secretary of the Department of Environment and Natural Resources may expend funds from the response fund to provide for the costs of investigations, **emergency remedial efforts**, corrective actions, and managerial or administrative activities associated with such activities.

SUMMARY:

In 1988 SDCL: 34A-12-3 created the Regulated Substance Response Fund. The fund was created through an appropriation from general fund, a one-time contribution from the petroleum release compensation fund, and a temporary pesticide registration fee.

On going deposits into the fund come from; money from civil action or administrative proceedings for violation of environmental statutes or upon damage to the environment, including actions for administrative expense recoveries, civil penalties, compensatory damages, and money paid pursuant to any agreement, stipulation, or settlement in such actions or proceedings; and interest attributable to investment of the money in the response fund. Before the fund can be used, there must be a discharge of a regulated substance, but then the money is continuously appropriated to provide funds for the clean up of regulated substance discharges. The department may file civil actions or liens on property owned by the responsible person to cost recover.

REQUIREMENTS:

The Secretary of the Department of Environment and Natural Resources may expend funds from the response fund to provide for the costs of investigations, **emergency remedial efforts**, corrective actions, and managerial or administrative activities associated with discharges of regulated substances. For a substance to be classified as a regulated substance, it must be defined in either statute or rule. SDCL 34A-12-1 exempts sewage and sewage sludge from being classified as a regulated substance.

The secretary's use of the response fund shall be based upon the following:

(1) In the case of an investigation, when the secretary determines that a discharge requiring an emergency remedial effort may have occurred and that the general operating budget of the department for such purposes is not adequate to cover the costs of the necessary investigatory activities; (2) In the case of an emergency remedial effort, when the secretary determines that a discharge has occurred and that corrective actions shall be immediately undertaken to protect an imminent threat to the public health or safety or to contain a discharge which, if not immediately contained, shall in time pose a significantly greater threat to public health or safety or to the environment of this state than if such action is not immediately taken;

(3) In the case of a discharge not of an emergency nature when the secretary determines that a discharge has occurred, that a responsible party or liability fund capable of performing the corrective actions either cannot be identified or refuses to undertake corrective actions, and that corrective actions shall be undertaken to protect the public health, safety, welfare, or environment of the state.

SDCL 34A-12-12 makes the responsible person strictly liable for any corrective action costs expended from the Regulated Substance Response Fund, and the department may file either civil actions or liens on property owned by responsible persons to cost recover.

STATUTES:

<u>34A-12-3. Regulated substance response fund established - Purpose - Source of funds -</u> <u>Continuous appropriation - Informational budget - Annual legislative review</u> -- There is hereby established in the state treasury an operating fund to be known as the regulated substance response fund for the purpose of providing funds for the clean up of regulated substance discharges. In addition to the money from the petroleum release cleanup fund as provided in § <u>34A-12-2</u> and the temporary pesticide registration fee increase provided by § 38-20A-9, funds from the following sources shall be deposited into the response fund:

(1) Direct appropriations to the response fund from the general fund;

(2) Money, other than criminal fines assessed in criminal actions, recovered by the state in any action or administrative proceeding based upon violation of the state's environmental statutes or upon damage to the environment, including actions for administrative expense recoveries, civil penalties, compensatory damages, and money paid pursuant to any agreement, stipulation, or settlement in such actions or proceedings;

(3) Interest attributable to investment of the money in the response fund;

(4) Money received by the department in the form of gifts, grants, reimbursements, or appropriations from any source intended to be used for the purposes of the response fund. All money in the response fund is continuously appropriated for the purposes specified in § 34A-12-4. All money received by the department for the response fund shall be set forth in an informational budget pursuant to § 4-7-7.2 and be annually reviewed by the Legislature. Source: SL 1988, ch 291, § 4.

34A-12-2. One-time contribution from petroleum release compensation fund to response fund

<u>- Annual contribution to groundwater protection fund</u> -- The petroleum release compensation fund established pursuant to § <u>34A-13-18</u>, shall make a one time contribution of three hundred fifty thousand dollars, to the response fund within one year after March 1, 1988, and shall contribute one hundred thousand dollars annually for five years to the groundwater protection fund to fund the groundwater research and education program established pursuant to § <u>46A-1-85</u>. Source: SL 1988, ch 291, § 3; 1989, ch 306, § 55.

34A-12-4. Expenditure of funds by secretary - Grounds for expenditures -- When necessary in the performance of the secretary's duties under §§ 23A-27-25, 34A-1-39, 34A-2-75, 34A-6-1.4, 34A-6-1.31, 34A-11-9, 34A-11-10, 34A-11-12, 34A-11-14, 34A-12-1 to 34A-12-15, inclusive, 45-6B-70, 45-6C-45, 45-6D-60, and 45-9-68 and Title 34A relative to discharges, the secretary may expend funds from the response fund to provide for the costs of investigations, emergency remedial efforts, corrective actions, and managerial or administrative activities associated with such activities. The secretary's use of the response fund shall be based upon the following:

(1) In the case of an investigation, when the secretary determines that a discharge requiring an emergency remedial effort may have occurred and that the general operating budget of the department for such purposes is not adequate to cover the costs of the necessary investigatory activities;

(2) In the case of an emergency remedial effort, when the secretary determines that a discharge has occurred and that corrective actions shall be immediately undertaken to protect an imminent threat to the public health or safety or to contain a discharge which, if not immediately contained, shall in time pose a significantly greater threat to public health or safety or to the environment of this state than if such action is not immediately taken;
(3) In the case of a discharge not of an emergency nature when the secretary determines that a discharge has occurred, that a responsible party or liability fund capable of performing the corrective actions either cannot be identified or refuses to undertake corrective actions, and that corrective actions shall be undertaken to protect the public health, safety, welfare, or environment of the state. Source: SL 1988, ch 291, § 5; 1992, ch 158, § 55A; 1999, ch 182, § 3.

34A-12-12. Strict liability for costs of corrective action. Any person who has caused a discharge of a regulated substance in violation of § 34A-12-8 is strictly liable for the corrective action costs expended by the department pursuant to §§ 23A-27-25, 34A-1-39, 34A-12-1 to 34A-12-15, inclusive, 38-20A-9, 45-6B-70, 45-6C-45, 45-6D-60, and 45-9-68. Source: SL 1988, ch 291, § 13.

CURRENT STATUS

The Department of Environment and Natural Resources currently has six (6) contracts in place with environmental consulting firms to provide response capabilities. These contracts are 4 year contracts with extension provisions. Currently the department has contracts with the following firms: Geotek Engineering & Testing Services (Sioux Falls); Leggette, Brashears & Graham (Sioux Falls); Terracon Consultants (Rapid City and Omaha); West Central Environmental (Morris, Minnesota); BayWest (St. Paul, Minnesota); and American Engineering Testing Services (Pierre and Rapid City).

The balance of the Regulated Substance Response Fund as of 06/30/2008 was \$ 2,575,500.00.

Exhibit____KM-1 Page 13 of 31

Appendix N

Federal Oil Spill Liability Trust Fund

attachment 2

The Oil Spill Liability Trust Fund

Introduction

The Oil Spill Liability Trust Fund (fund) was created by Congress in 1986 and its use was authorized by the signing of the Oil Pollution Act in 1990. The fund, managed by the U.S. Coast Guard, is established as a funding source to pay for cleanup costs and damages resulting from oil spills or threats of oil spills to navigable waters of the United States. For the purposes of this fund "navigable waters" is defined in § 300.5 of the National Contingency Plan.

The fund has two major components. First, the emergency fund. The emergency fund is available for Federal On-Scene Coordinators to respond to oil discharges and for Federal natural resource trustees to initiate natural resource damage assessments. This portion of the fund receives an annual \$50 million apportionment. The Coast Guard has the authority to advance an additional \$100 million into the emergency fund each year to supplement shortfalls. Second, the remaining Principal Fund balance is used to pay claims and to fund appropriations by Congress to Federal agencies to administer the provisions of the Oil Pollution Act and support research and development.

Who Can Access the Fund?

- All Federal On-Scene Coordinators
- Other Federal, State, Local, and Indian tribal government agencies that assist the Federal On-Scene Coordinator can be reimbursed for their costs.
- Natural Resource Trustees
- Claimants individuals, corporations, and governments can submit claims for uncompensated removal costs and damages if the responsible party does not satisfy their claim.

Limitations to Accessing the Fund

- The release or threat of release must be into or on the navigable waters of the United States or adjoining shorelines or the Exclusive Economic Zone
- The discharge must be oil
- In general, the maximum amount expendable from the fund per incident is \$1 billion.

Responsibility of the Responsible Party to a Spill

- When an oil spill occurs, the responsible party is responsible for complete cleanup of the spill.
- If the responsible party does not fully remove the spill and the Federal On-Scene Coordinator responds to the spill the responsible party will be later billed for all Federal response costs.

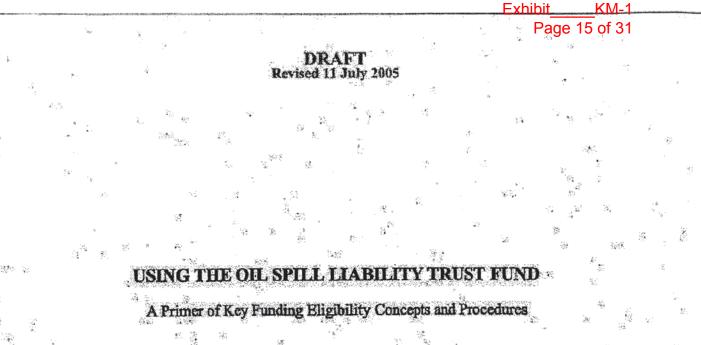
Funding

- The fund balance on April 27, 2006 was \$662 million.
- As of March 18, 2008, the following is the projected end of year fund balance based on the barrel tax and historical expenditures:

2008 - \$1,030,009,455 2009 - \$1,107,363,831 2010 - \$1,227,242,256 2011 - \$1,345,434,782 2012 - \$1,468,866,674 2013 - \$1,601,770,189 2014 - \$1,744,565,195

EPA's Use of the Fund in South Dakota

In the early 1990's EPA used monies from the fund to cleanup a coal tar spill in the Big Sioux River at Fawick Park in Sioux Falls.



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یک میگر These concepts are intended solely for the guidance of agency personnel. These concepts do not constitute a regulation and may not be relied upon to create a right or benefit, substantive or procedural, enforceable at law or in equity by any person. This document may change at any time, without prior notice.

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July 11, 2005

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DRAFT Revised 11 July 2005

ACCESSING THE OIL SPILL LIABILITY TRUST FUND INTRODUCTION II. THE FOSC HAS BROAD REMOVAL AUTHORITY III. THRESHOLD ELEMENTS AND DOCUMENTATION REQUIREMENTS. A. IS IT OIL? 2. NPFC Policy on OSLTF Funding with Respect to Certain Substances b. Creasate c. Coal Tar Wastes From Former Manufactured Gas Plants (MGPs) 3. Natural Gas a. The CERCLA Petroleum Exclusion Annual A IS THERE A DISCHARGE OR SUBSTANTIAL THREAT OF A DISCHARGE? 3. Documentation for Substantial Threat Incidents D. RESPONSIBLE PARTY IDENTIFICATION - FACILITY/VESSEL SOURCE 1. RP Definitions a. Vessel b. Onshore Facility 12 FUNDS ACCESS PROCEDURES

DRAFT Revised 11 July 2005

I. INTRODUCTION

The Coast Guard (CG) and the Environmental Protection Agency (EPA) are authorized under Section 311(c) of the Federal Water Pollution Control Act ("FWPCA") (as amended by the Oil Pollution Act of 1990), 33 U.S.C. § 1321(c), to remove a discharge, and to mitigate or prevent a substantial threat of a discharge, of oil to navigable waters or adjoining shorelines.^{1/} A principal purpose of the Oil Pollution Act of 1990, P.L. 101-380 ("OPA") is to ensure that federal responders have the financial resources readily available to support an immediate and effective response. Those resources are provided by a \$50 million annual appropriation from the Oil Spill Liability Trust Fund ("OSLTF") as outlined under OPA section 6002.^{2/}

The three questions that must be answered to determine whether an oil response is authorized mder Section 311(c) of the FWPCA are:

(1) Is the substance involved an oil?

(2) Is there a discharge or substantial threat of a discharge of oil?

(3) Is the discharge or substantial threat of discharge into navigable waters or adjoining shorelines?

If each of these elements is present, the Federal On-Scene Coordinator ("FOSC") is authorized to take oil response action under Section 311(c) of the FWPCA. Also, if each of these three elements is present, the OSLTF is available for use by the FOSC. Thus, it is important that each of these elements be documented by FOSCs when they access the OSLTF (or as soon thereafter as practical) so that the National Pollution Funds Center ("NPFC") can ensure that funds are being accessed appropriately.

This document provides funding eligibility guidance to FOSCs on these three threshold elements. In addition, guidance is provided on how to document these elements. Guidance is also provided on FOSC responsibilities with respect to documentation regarding the identification of responsible parties^{3/}

¹Pursuant to Executive Order 12777, 56 Fed. Reg. 54757 (October 22, 1991), the President's authority under Section 311(c) of the FWPCA has been delegated to EPA for the inland zone and the Secretary of the Department in which the Coast Guard is operating for the coastal zone. The authority to remove a discharge, and to mitigate or prevent a substantial threat of a discharge, of oil extends not only to navigable waters and adjoining shorelines, but also to the waters of the exclusive economic zone and to discharges or substantial threats of discharges of oil "that may affect natural resources belonging to, appertaining to, or under the exclusive management authority of the United States." 33 U.S.C. §1321(c). Simply for ease of reference, the remainder of the guidance refers solely to "navigable waters or adjoining shorelines," but is not to be construed as any limitation on the full scope of authority available under Section 311(c) of the FWPCA."

²Section 7 of Executive Order 12777 delegates authority for management of the Oil Spill Liability Trust Fund to the Secretary of the Department in which the Coast Guard is operating, and this authority is exercised within the Coast Guard by the National Pollution Funds Center.

⁹ FOSCs also have responsibilities with respect to the documentation of removal costs. Guidance this topic may be found in the NPFC User Reference Guide.

DRAFT Revised 11 July 2005

II. THE FOSC HAS BROAD REMOVAL AUTHORITY

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A fundamental public policy underlying the FWPCA is that there shall be no discharge of oil to navigable water or adjoining shorelines. 33 USC 1321(b)(1). Consistent with that policy the President may, in accordance with the National Contingency Plan (NCP), ensure effective and immediate removal of a discharge, and mitigation or prevention of a substantial threat of discharge, of oil to navigable waters and adjoining shorelines. 33 USC 1321(c)(1). As noted above, the President's removal authority has been delegated to the Coast Guard for the coastal zone and to the Environmental Protection Agency for the inland zone. These authorities are also established in the NCP. See, e.g., 40 C.F.R. §§300.120(a) and 300.130. The OSLTF is available to pay the costs of federal oil removal. 33 USC 1321(s); 33 USC 2712(a)(1); 33 USC 2752(b).

"Remove or Removal" is defined as "containment and removal of the oil. from the water and shorelines or the taking of such other actions as may be necessary to prevent, minimize, or mitigate damage to the public health or welfare, including, but not limited to, fish, shellfish, wildlife, and public and private property, shorelines, and beaches." 33 USC 1321(a)(3).

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"Removal costs" are the "costs of removal that are incurred after a discharge of oil has occurred or, in any case in which here is a substantial threat of a discharge of oil, the costs to prevent, minimize or mitigate oil pollution from such an incident." 33 U.S.C. 2701(31).

When there is a discharge or substantial threat of discharge of oil to navigable waters or adjoining shorelines, the FOSC determines the response actions appropriate under the NCP. The FOSC has broad authority to remove or arrange for the removal of a discharge and to mitigate or prevent a substantial threat of a discharge, and to direct or monitor all federal, state and private actions to remove a discharge or to mitigate or prevent a substantial threaf of a discharge. 33 U.S.C. §1321(c): 40 C.F.R §§ 300.130 and 300.305(d). Containment, countermeasures and cleanup of the oil include a wide range of activities including controlling the source of a spill. 40 C.F.R. 300.310(a).

Removal authority should be construed broadly to achieve the policy eminciated by Congress – that there shall be no discharge of oil to navigable waters. The NCP recognizes that removal authority necessarily includes authority to address a discharge at its source, consistent with the no discharge policy. 40 C.F.R. 300.310(a). However, once the discharge to the water is stopped, the oil is removed from the navigable waters and shorelines, and all steps have been completed to prevent, minimize or mitigate any substantial threat of discharge to the water, NPFC removal funding typically ends.

The NPFC is responsible for making funds available for removal, but does not exercise oil removal authority under the FWPCA. Amounts appropriated annually from the OSLTF are made available by the NPFC to CG or EPA FOSCs for oil removal projects that are authorized under FWPCA 311(c) and consistent with the NCP. The NPFC has a fiduciary responsibility to ensure proper use of the OSLTF. Therefore, availability of funding is subject to NPFC policies and guidelines. In cases where it is unclear that the three FWPCA threshold elements have been met, the NPFC will work with the FOSC to ensure that the OSLTF will be used appropriately.

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DRAFT Revised 11 July 2005

III. THRESHOLD ELEMENTS AND DOCUMENTATION REQUIREMENTS

A. Is it Oil?

1. FWPCA and OPA definitions of "oil"

Section 311(a) of the FWPCA defines "oil" as "oil of any kind or in any form, including, but not limited to, petroleum, fuel oil, sludge, oil refuse, and oil mixed with wastes other than dredged spoil." 33 U.S.C. § 1321(a)(1). OPA Title I, 33 U.S.C. §§2701-2720 creates a liability and compensation regime for oil discharges that is complementary to the provisions of Section 311 of the FWPCA. OPA Title I adopts the FWPCA definition of oil but adds an express exclusion for "any substance which is specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of section 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. 9601) and which is subject to the provisions of that Act." 33 U.S.C. §2701(23). Thus, FWPCA oils are also OPA Title I oils except for any FWPCA oil that is specifically listed or designated as a CERCLA hazardous substance. See CERCLA Table of Hazardous Substances at 40 C.F.R. 302.4.

2. NPFC Policy on OSLTF Funding with Respect to Certain Substances

As a matter of policy, the NPFC and EPA have agreed that the NPFC will not generally provide funding from the OSLTF for responses with respect to the substances identified below, for which funding is generally available from the Hazardous Substance Superfund established under CERCLA.

a. <u>Hexane</u>. Hexane is specifically listed as a CERCLA hazardous substance. As a matter of policy, the NPFC will not generally provide funding from the OSLTF for response to the discharge or substantial threat of a discharge of hexane. FOSCs that are contemplating accessing the OSLTF to fund removal activities in response to the discharge or substantial threat of discharge of hexane should consult with their NPFC Regional Manager prior to accessing the OSLTF.

b. <u>Creosote</u>. Creosote is not widely used today, but historically was widely used as a wood preservative by wood treatment facilities. Creosote is specifically listed as a CERCLA hazardous substance. As a matter of policy, the NPFC will not generally provide funding from the OSLTF for responses to the discharge or substantial threat of a discharge of creosote. FOSCs that are contemplating accessing the OSLTF to fund removal activities in response to the discharge or a substantial threat of discharge of creosote-related contaminants should consult with their NPFC Regional Manager prior to accessing the OSLTF.

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c. "Coal Tar" Wastes From Former Manufactured Gas Plants (MGPs). The term 'coal tar" is often loosely used to refer to several types of substances derived from the distillation of coal, some of which are products, or by-products, and others which are wastes. With respect to funding, responses to discharges of "coal tar" wastes from former Manufactured Gas Plants ("MGPs") that contain constituents that are hazardous substances under CERCLA have typically been funded from the Hazardous Substance Superfund. As a matter of policy, the NPFC will not generally provide funding from the OSLTF for responses to the discharge or substantial threat of a discharge of "coal tar" wastes from MGPs. FOSCs that are contemplating accessing the OSLTF to fund removal activities in response to the discharge or substantial threat of discharge of "coal tar" wastes from a MGP should consult with their NPFC Regional Manager prior to accessing the OSLTF.

3. Nabiral Gas STA WE WALL TO RECORDER AND SHOP OF STATES Part House "Natural gas is not an oil. Response to a discharge or substantial threat of discharge of natural gas is not an oil response under FWPCA and is not funded from the OSLTF. However, oil may be present in some amounts when there is a natural gas incident, such as a leak, fire, or explosion from certain natural gas wells. Such oil may discharge to navigable waters of and oming showing and its is may be a most mark in early of sub-Therefore, while a response to a natural gas incident will in general not be a response under the FWPCA for which OSLTF funding is available, FOSC response to the discharge of oil to navigable waters or adjoining shorelines, or the substantial threat of such a discharge, may be funded from the OSLTF., When confronted with a natural gas incident, FOSCs should

explain and document how the response for which OSLTF funding will be used is for the primary purpose of removing a discharge of oil to navigable waters, or adjoining shorelines or mitigating or preventing the substantial threat of such a discharge.

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Oil may be produced in some amounts when there is a tire fire. Such oil may discharge to navigable waters or adjoining shorelines or there may be a substantial threat of such a discharge. Therefore, while a response to a tire fire in general will not be a response under the FWPCA for which OSLTF funding is available, FOSC response to the discharge of oil to navigable waters of adjoining shorelines, or the substantial threat of such a discharge, may be funded from the OSLTF. When confronted with a tire fire incident, FOSCs should explain and document how the response for which OSLTF funding will be used is for the primary purpose of removing a discharge of oil to navigable waters, or adjoining shorelines or mitigating or preventing the substantial threat of such a discharge.

5. Responses Potentially Involving Both FWPCA Oil and a CERCLA Hazardous Substance

a. The CERCLA "Petroleum Exclusion". The CERCLA definition of "hazardous substances" does not include, "petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of [section 101(14)] and shall not include natural gas, liquefied natural gas, or synthetic gas of pipeline quality (or mixtures of natural gas and such synthetic gas)." 42 U.S.C. §9601(14).

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EPA has interpreted the petroleum exclusion to only apply to: crude oil that naturally contains hazardous substances; and refined product containing hazardous substances or constituents that normally are added during the refining process. See Memorandum from Francis S. Blake, General Counsel, "Scope of the CERCLA Petroleum Exclusion Under Sections 101(14) and 104(a)(2)," July 31, 1987. Hazardous substances that are added to petroleum during use, or increased in concentration as a result of use, are not subject to the petroleum exclusion and are subject to regulation under CERCLA. Courts generally have accepted this interpretation.

If the facts and circumstances indicate that the CERCLA petroleum exclusion is not applicable to substances subject to the response action, the FOSC should closely coordinate with the NPFC and EPA Headquarters regarding funding.

b. Mixes of Oil and Hazardous Substances. When a discharge to navigable waters or adjoining shorelines is discovered or reported, the FOSC must be able to make a swift, field decision about whether the discharging material is oil, a hazardous substance, or a mix or combination of both in order to determine response authority and funding. These field determinations will take into account any readily available information from the RP or other informed source (e.g., state or local agencies). If the circumstances indicate that the substance is likely to be a mix or combination of oil and a specifically listed or designated CERCLA hazardous substance, the FOSC should closely coordinate with the NPFC and EPA Headquarters before funding is provided.

Even after deciding to conduct an oil response under the FWPCA and accessing the OSLTF, the FOSC should test the substance as soon as practical in order to confirm the nature of the substance. If the source of the discharge is not known, testing of the substance may also be useful in identifying the source and the responsible party for the source.

If, during a removal funded from the OSLTF, it is determined that the substance discharging or substantially threatening to discharge to protected waters or shorelines is a specifically listed or designated CERCLA hazardous substance, NPFC policy is that generally OSLTF funding should end. At that point, as appropriate, the FOSC may decide to seek funding from the CERCLA Superfund. In such circumstances, the NPFC and EPA should work together to facilitate a smooth transition of funding sources.

If an incident includes a distinct discharge or substantial threat of discharge of an oil and a distinct release or substantial threat of release of a CERCLA hazardous substance, and there are distinct response actions directed to each, those distinct response actions directed to the discharge or substantial threat of discharge of oil generally should be funded from the OSLTF, and those distinct activities directed to the CERCLA hazardous substances generally should be funded from CERCLA's Superfund.

B. Is there a Discharge or Substantial Threat of a Discharge?

If there is oil in or on the navigable water or adjoining shorelines, there has been an actual discharge that clearly satisfies this threshold element. This element is also satisfied if there is a substantial threat of a discharge of oil to navigable waters or adjoining shorelines.

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1. FOSC and NPFC roles

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and the set of the manual submary the set of the The FOSC, in exercise of his/her FWPCA oil response authority, determines the existence of a discharge or a substantial threat of a discharge of oil to navigable waters or adjoining shorelines. The FOSC also determines what action is needed to ensure the substantial threat of a discharge to protected waters and shorelines is mitigated or prevented. The NPFC does not exercise oil removal authority under FWPCA, but is responsible for making funds available for response actions authorized under 33 USC §1321 and consistent with the NCP to ensure the substantial threat of a discharge of oil to navigable waters or adjoining shorelines is mitigated or prevented. NPFC has a fiduciary responsibility to ensure proper use of the OSLTF and therefore will work with the FOSC to ensure that the OSLTF will be used appropriately.

To that end, the FOSC and the NPFC Case Officer should initiate a dialogue at the beginning of a response to a substantial threat of a discharge. These discussions help provide the NPFO with a full understanding of the FOSC's determination that a substantial threat of a discharge exists and help facilitate funding.

A SHOSHIMAS STREET, ST in the first water a second and a second second a The OSLTF may be used when the FOSC responds under authority of FWPCA section 311(c) to prevent or mitigate a substantial threat of a discharge of oil to the navigable waters or adjoining shorelines. In making the determination that circumstances present a substantial threat of a discharge of oil to navigable waters or adjoining shorelines the FOSC should consider relevant factors in the context of the overall situation, including the following:

a. The source of the oil, the condition of the source including any environmental A. factors or weather which may change the condition of the source, and if the source is functioning in some way to contain the oil in whole or in part, facts relevant to an evaluation of the integrity of that containment mechanism and predicted or potential failures of that containment mechanism; the safe A for sente grant of the Cost and the class of a grant of small stranger that is

b. The proximity of the oil source to navigable waters or adjoining shorelines, the quantity of oil, any relevant available information regarding the nature of the oil, and the flow path from the oil source to the navigable waters, including slope, terrain, natural or. manufactured conduits or drains, the absence of effective natural or manmade barriers between the source and the navigable waters, any environmental factors or weather conditions that may affect movement of the oil, and any other available information relevant to the potential movement of the oil from the source to the navigable waters:

1 7 1 14 0 c. Whether under all the facts and circumstances response action should be undertaken in order to prevent a discharge of oil to navigable waters or adjoining shorelines.

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3. Documentation for Substantial Threat Incidents

FOSCs are to document the facts and circumstances relied upon in making the "substantial threat" determinations to the NPFC in order to memorialize the basis for the exercise of removal authority. Summary documentation should be provided in the initial POLREP, and detailed documentation should be provided as soon as practical. All documentation should reflect consideration of the relevant factors, as discussed above, and the basis for the determination that the circumstances present a substantial threat of a discharge of oil to the navigable waters or adjoining shorelines

Documentation of the "substantial threat" determination is important since the OSLTF is not available for response when an oil source has merely a remote potential to discharge oil "someday". Thus, provision of adequate documentation is a predicate to OSLTF funding. Even after OSLTF funding is made available, if additional relevant information becomes available, it is the FOSC's responsibility to provide that additional information and documentation to the NPFC, and to respond to NPFC's requests for additional information. In addition to its funding responsibilities, this documentation is also used by NPFC in support of other responsibilities that the NPFC fulfills, including the payment of claims under OPA, determination of liable responsible party debts, and to support enforcement actions necessary to recover removal costs from responsible parties

There are numerous ways an FOSC can document the factors considered and the basis for the decision that a specific situation presents a substantial threat of discharge, in support of their request for funding. Whatever methods are used, the FOSC should describe all of the relevant facts and circumstances, as discussed above, and include any available photographs. The following list provides several examples of the types of documentation that may be used for this purpose:

a. For Coast Guard-managed incidents: Operational logs or ICS forms such as the Incident Information Form, the Incident Briefing form (ICS 201), the Response Objectives form (ICS 202), the Unit Log (ICS 214) or the Executive Summary form (ICS Exec. Sum.).

b. For EPA managed incidents: the OPA90 Removal Project Plan (ORPP);

c. POLREPS;

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d. E-mail to operational superiors and the NPFC;

e. A memorandum regarding the substantial threat determination; or

Administrative orders issued under FWPCA 311(c) to responsible parties.

Any of these or other similar methods of documentation may be used as long as the purpose is fulfilled, which is to document the FOSC's consideration of relevant factors and the basis for the determination that the circumstances present a substantial threat of a discharge of oil to the navigable waters or adjoining shorelines.

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C. Is the Discharge or Substantial Threat of a Discharge into Navigable Waters?

Under the FWPCA, the term "navigable waters" is broadly defined as "the waters of the United States, including the territorial seas." 33 U.S.C. §1362(7).4 Regulatory definitions of the term include, among other things, waters that are currently used, were used in the past, or may be susceptible to use in interstate of foreign commerce, including waters that are subject to the ebb and flow of the tide (sometimes referred to as traditional navigable waters); interstate waters, including interstate wetlands; tributaries to traditional navigable waters; and wetlands that are adjacent to traditional navigable waters or their tributaries. See, e.g., 40 C.F.R. §300.5.

A set and the set of a set of a set of In January 2001, the Supreme Court held that use of isolated, non-navigable, intrastate waters by migratory birds was not a sufficient basis for the exercise of federal regulatory jurisdiction under Section 404(a) of the FWPCA. Solid Waste Agency of Northern Cook ALC CANE Sale Net County V. United States Army Corps of Engineers, 531 U.S. 159 (2001) ("SWANCC"). Since that decision was rendered, case law with respect to the meaning of the term "navigable waters" has been evolving.

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ease a might by your and instant out of the second second of the second of the second of the second of the second information on the affected water or shoreline to the NPEC case officer, including the name and nature of the water, tributary connections between the water and downstream traditional navigable waters, and information regarding any other adjacent waters. If a question should arise with respect to the jurisdictional status of a particular water, agency counsel should be consulted. 4 1 22 氯 带线粉带花。

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A Stanner of Mar 1 1. 2. 64 D. Responsible Party Identification - Facility/Vessel Source

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1. RP Definitions

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I we to a sector relative constit The Com Charles of OPA imposes liability for removal costs and damages "on each responsible party for a vessel or a facility from which oil is discharged, or which poses the substantial threat of a discharge of oil, into or upon the navigable waters or adjoining shorelines or the exclusive depends on the source of the discharge or substantial threat of a discharge. See 33 U.S.C. §2701(32). In general, responsible parties for each type of pollution source are as follows:

a. Vessel. In the case of a vessel, responsible party or parties means the owner(s). operator(s), and demise charterer(s).

b. Onshore Facility. In the case of an onshore facility, responsible party or parties means the owner(s) and operator(s) of the facility. An onshore facility is any facility located in, on, or under any land within the United States other than submerged land.⁵⁴ There are

" Under OPA, the term "navigable waters" is also defined as the "waters of the United States, including the territorial seas," 33 U.S.C. §2701(21), and the term has been construed by courts to have the same meaning under OPA as under the FWPCA.

⁵ Facility" is further defined as

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some exceptions for states and other government owners that have transferred possession and right to use the property to other persons by lease, assignment or permit at the time of the discharge or substantial threat of discharge. In the case of an actual discharge, the relevant time for determining ownership and operation is the time during which the discharge occurred. In the case of a substantial threat of a discharge, the relevant time for determining ownership and operation is the time during which a substantial threat was posed.

c. <u>Offshore facility</u>. In the case of an offshore facility, responsible party or parties means the lessee(s), permittee(s), and holder(s) of a right of use and easement of the area in which the facility is located. An offshore facility includes any facility located in, on, or under water. There are some exceptions for states and other government owners that have transferred possession and right to use the property to other persons by lease, assignment or permit at the time of the discharge or substantial threat of discharge.

d. <u>Deepwater Port</u>. In the case of a deepwater port licensed under the Deepwater Port Act of 1974, responsible party or parties means the licensee

e. <u>Pipeline</u>. In the case of a pipeline, responsible party or parties means the owner(s) or operator(s) of the pipeline.

f. <u>Abandonment</u>. In the case of an abandoned vessel, onshore facility, deepwater port, pipeline, or offshore facility, responsible party or parties means the persons who would have been responsible parties immediately prior to the abandonment of the vessel or facility.

2. Documentation Required From FOSC

Under the NCP, the FOSC is responsible for identifying potentially responsible parties to the extent practicable. 40 CFR 300.305(b)(3). For a simple vessel case, this task is fairly straightforward. For a facility case involving numerous leases and other title documents, that process may be more lengthy and complicated. In the case of an onshore facility, FOSCs should generally retain a deed and title search company when the FPN is opened in order to identify all of the responsible parties as promptly as possible. Because this search facilitates the prompt identification of responsible parties, it should be conducted before the commencement of the removal where time permits and, in any event, as soon as possible during the response phase. The OSLTE is generally available to pay the costs of this search, and a draft model Scope of Work ("SOW") for this purpose is available from the NPFC. This procedure is also available with respect to offshore facilities. Documentation with respect to the identification of responsible parties for vessels and onshore and offshore facilities is discussed further below.

a. Vessel. In the case of a vessel, documentation of the responsible party should include the name of the vessel, dimensions, type of vessel, and some identifying number, such an official number if it is a U.S. flag vessel or a Lloyds number for foreign flag vessels.

any structure, group of structures, equipment, or device (other than a vessel) which is used for one or more of the following purposes; exploring for, drilling for, producing, storing, handling, transferring, processing or transporting oil. This term includes any motor vehicle, rolling stock, or pipeline used for one or more of these purposes. 33 U.S.C. § 2701(9).

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A copy of the vessel's Certificate of Documentation should be in the case file. For vessels with no Coast Guard documents, a copy of the vessel's state registration and drivers license of the owner and/or operator should be obtained, along with any other documents identifying the owners and operators.

The second s b. Onshore Facility. As soon as the FPN is opened, in a case involving an onshore facility, the FOSC should generally retain a deed and title search company familiar with relevant property records. The attached model SOW for "Onshore Facilities" should be ¹ used in contracting with the deed and title search company and modified where appropriate. 24 5 10 ... If the FOSC does not retain a deed and title search company, the FOSC should obtain the information and documentation set forth in the model SOW. In general, the title documents and leases will determine the owner(s) of the facility at the time of the discharge or substantial threat of a discharge of oil. The tenn operator is not limited to the operator of record. The term operator may include others who had control with respect to the facility's operations, even though these parties may not have been designated an operator of record by the state regulatory body. FOSCs should contact their Regional Counsel (for EPA) or District Legal Office (for Coast Guard) to resolve any enforcement issues and interpretation of various legal documents. al at only serve

> c. Offshore Facility. As soon as the FPN is opened, in the case of an offshore facility, the FOSC should generally obtain the documents and information set forth in the attached SOW for "Offshore Facilities." With respect to submerged lands owned by the state most of this information is usually kept by the state leasing authority or state oil gas regulatory body. As discussed above, the FOSC may contract these services out at the beginning of the removal project to a deed and title company familiar with records pertaining to oil and gas leasing.

FOSCs should contact their Regional Counsel (for EPA) or District Legal Office (for Coast Guard) to resolve any enforcement issues and interpretation of various legal documents. NPFC legal staff is available to provide advice to case managers on interpretation of these documents.

E. Funds Access Procedures

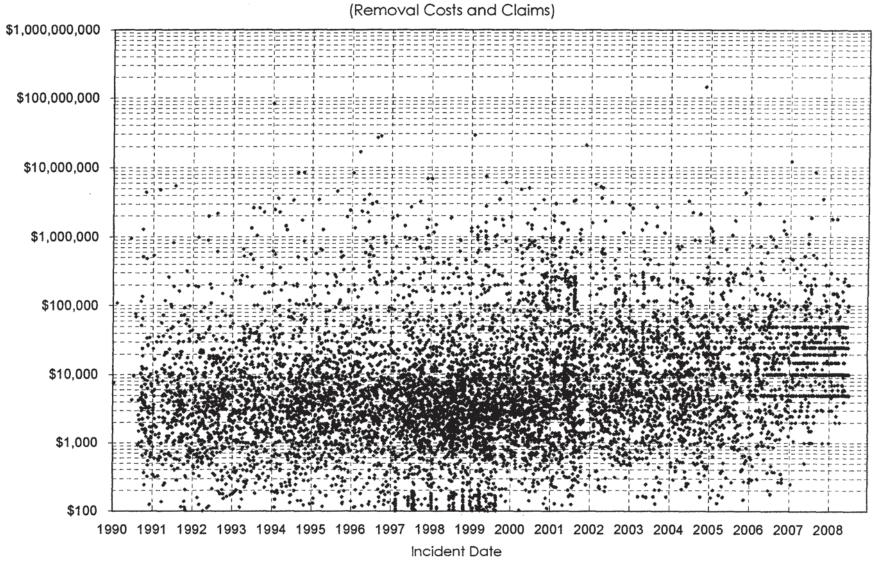
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 EPA FOSCs can initially obtain \$50K from the OSLTF using CANAPS. EPA FOSCs should use CANAPS to request higher ceilings when necessary. Upon receipt of the request, the NPFC Case Officer will coordinate with the FOSC and raise the ceiling as appropriate. EPA FOSCs must prepare and submit Oil Removal Project Plans when requesting ceilings in excess of \$250K.

 USCG FOSCs can initially obtain \$500K from the OSLTF using CANAPS. USCG FOSCS should use CANAPS to request higher ceilings when necessary. Upon receipt of the request, the NPFC Case Officer will coordinate with the FOSC and raise the ceiling as appropriate.



OSLTF Funding (Removal Costs and Claims)

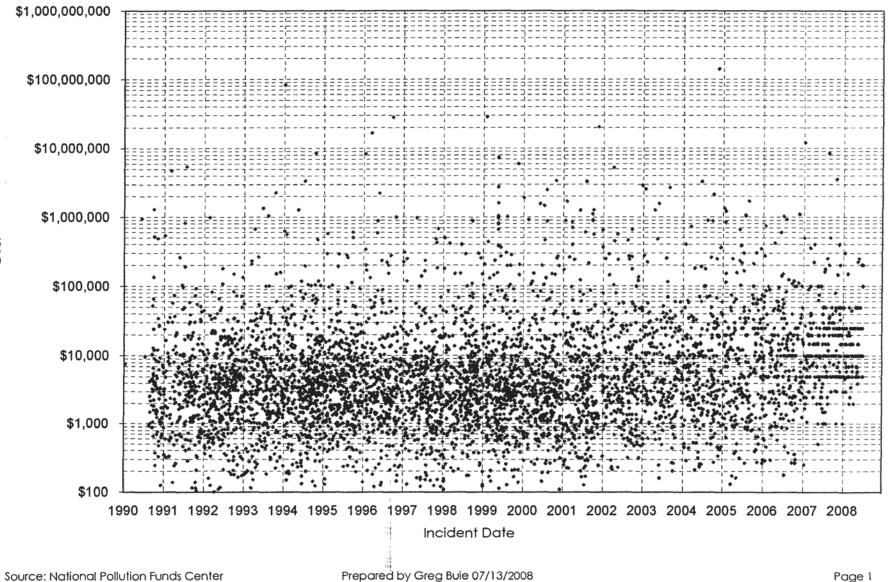
Source: National Pollution Funds Center

Cost

Prepared by Greg Buie 07/11/2008

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OSLTF Funding: Coast Guard Projects (Removal Costs and Claims)

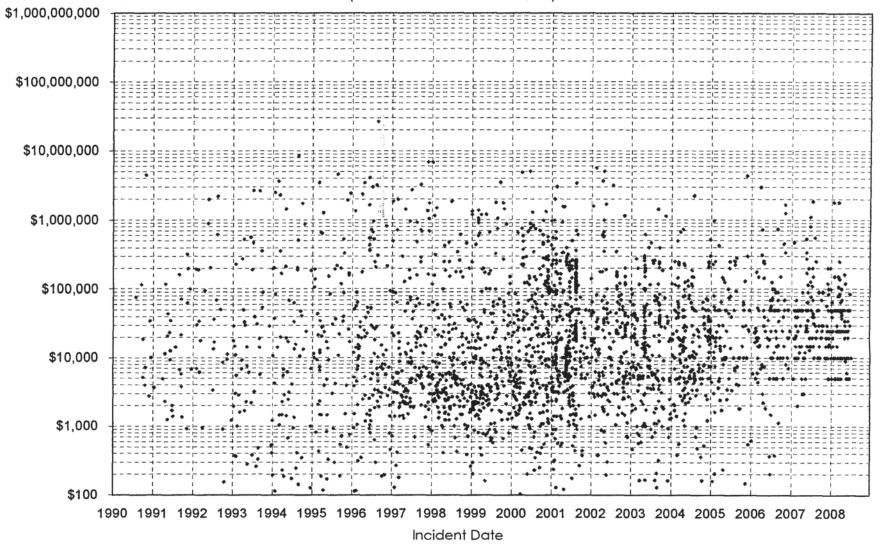


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OSLTF Funding: EPA Projects (Removal Costs and Claims)



Source: National Pollution Funds Center

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Prepared by Greg Buie 07/13/2008

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OSLTF Removal Costs and Claims South Dakota

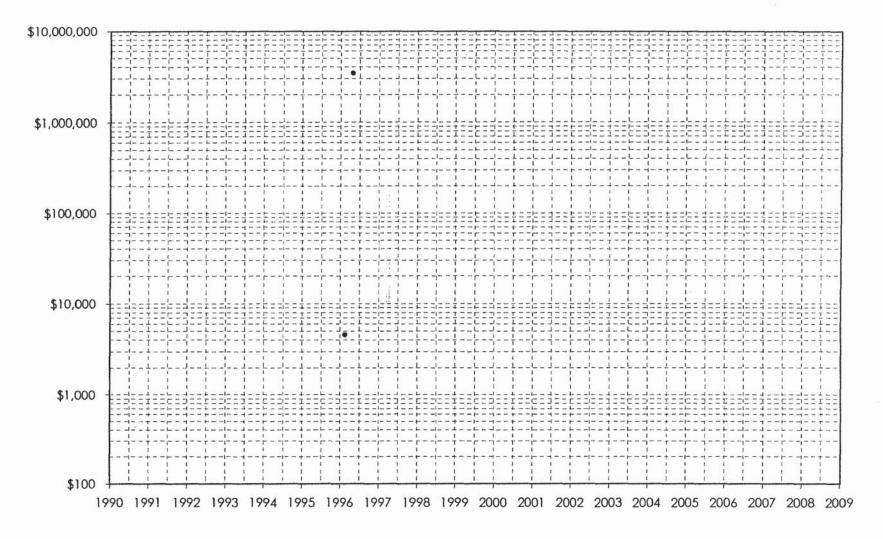


Exhibit KM-1 Page 30 of 31

OSLTF Removal Costs and Claims Pipelines

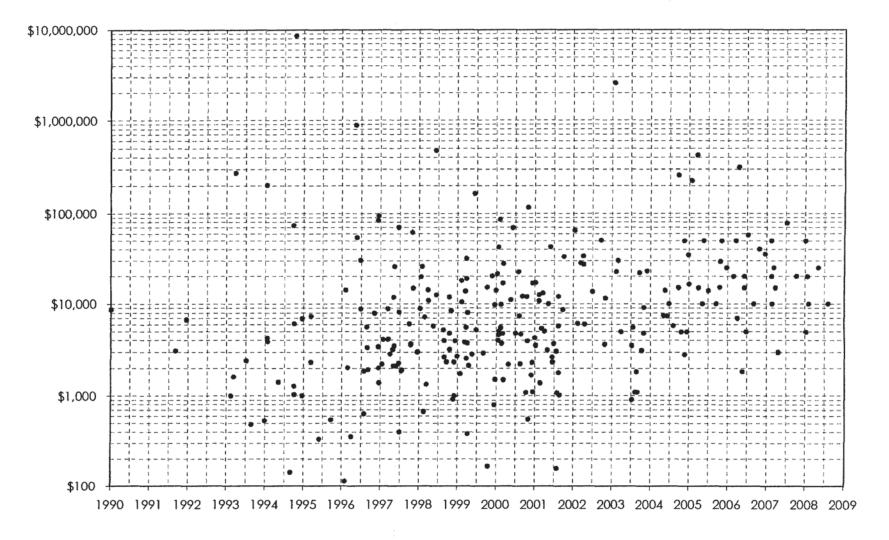


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