P.O. Box 515429
Dallas, Texas 75075
Ph: (972) 669-3390
Fax: (469) 241-0896
Email: oseicorp@msn.com
Web: www.osei.us

Oklahoma Osage Indian Reservation Clean up for US EPA RRT VI

Pipeline Break Over A Water Way, Cold Temperatures

US EPA RRT VI contractor and personnel from the US EPA RRT VI office met Steven Pedigo CEO OSEI Corporation and Admiral George Lively of OSEI at the Osage Indian Reservation near Bartlesville Oklahoma. A oil pipeline had ruptured over a water way on the reservation and released oil covering approximately 94.7m3 of contaminated shoreline and, also covering pockets of water.

The EPA contractor had brought a 500-gallon water and the means to collect clean fresh water to mix with OSE II in the water tank. OSE II was mixed 50 to one and applied by medium pressure through a nozzle.

The OSEI Corporation was overseeing the application of OSE II and water, where subsequent trips were made, in order, to extract samples of the shoreline and water to verify OSE II was remediating the hydrocarbons. The OSEI Corporation associates extracted the samples and transported them to the lab, filled out chain of custody forms and had samples tested from 4 separate dates. The Test results, which were great as you can see below, the US EPA RRT VI personnel extracted the last samples to, ensure the remediation had met the EPA's and the State of Texas standards. The OSEI Corporation were not given the test reports, however the sit e received a closure letter, which means the site met the required standards. The US EPA Region VI approved OSE II for use on this US navigable water pipeline break clean-up.

Steven Pedigo

These are of the Osage Indian reservation site pictures below



US EPA Contractor in the light blue shirt, USEPA personnel in the brown coat with the camera.



The oil release left a complete coating of oil on both sides of the water way.



There was, ice and snow on the ground, as the temperature in the morning was 23F.



Steven Pedigo of the OSEI Corporation extracted initial samples of soil and water before the application of OSE II.



The two men on each side of Mr. Pedigo were visitors from China, they were interested in being distributors for the OSEI Corporation in China.



The Chines guys, Mr. Tree in particular, was pleased to get to see an oil spill clean-up in person with OSE II a first response Bioremediation product



There was rocks coated with oil in the water as well.



A boom was put across the water quite a distance from the pipe rupture, to impede the oil traveling any further.



The EPA Contractor from Farmland Industries filling the water tank with water, and mixing OSE II.



Contractor starting the pump, to apply the OSE II, and water mixture



OSE II was staged near the water way for easier access for the contractor, when he needed to mix more OSE II and water.



Contractor driving the shorelines in a tractor to collect loose debris. The terrain was rough.



OSE II staged in several areas for easy access.



OSE II being applied directly to the oil coated areas on the water and the shoreline. The shoreline consisted of rocks and soil.



As you can see the oil covered quite a distance.



Second picture of contractor collecting debris this time much closer to the pipeline.



Contractor looking at the shorelines after the application of OSE II.



OSE II being applied to more areas of the shorelines with medium pressure.



The oil reached to the marsh grass as well; OSE II removes oil from vegetation as well.





Due to the cold temperatures, it took a few more minutes than normal after applying OSE II, to breakdown the molecular structure of the oil, however once a bit more time elapsed the oil started running off the rocks, this oil was detoxified, its adhesion had been eliminated obviously, its caused to float preventing the oil from sinking to the bottom and now it starts converting to CO 2 and water, permanently removed from the environment.

Another successful OSE II Clean-Up

OIL SPILL EATER INTERNATIONAL, CORP.

13127 Chandler Drive
Dallas, Texas 75243
(972) 669-3390
Fax: 644-8359
Email: OseiCorp@msn.com
Osei.Net (Web Site)

January 5, 2004

TEST RESULTS

CRUDE OIL CLEANUP ON CREEK

USING OIL SPILL EATER II

Farmland Industries

Bartlesville, Oklahoma USA

1. *Crude Oil Spill, 95 m³ of contaminated soil- occurred June 2000.*
2. *Applied Bacteria and Fertilizer - Ineffective*
3. *Applied 208 liters of OIL SPILL EATER II and 3,534 liters of fresh water on November 21, 2003.*
4. *Test Results to Date Enclosed.*

O.A. Lively
Rear Admiral (RET)
President

"The Bitterness of Poor Performance Remains Long after the Sweetness of Low Price is Forgotten."

OIL SPILL EATER INTERNATIONAL, CORP.

13127 Chandler Drive
Dallas, Texas 75243
(972) 669-3390
Fax: 644-8359
Email: OseiCorp@msn.com
Osei.Net (Web Site)

December 12, 2003

OIL SPILL EATER II

CRUDE OIL CLEANUP
On Soil and Creek
Bartlesville, Oklahoma

A. ***History:***

1. Original Spill - July, 2000
2. Tried bacterial products - did not work.
3. Tried fertilizer - did not work.

B. ***Area to be Cleaned:***

1. Length - 265 meters
2. Width - 4.7 meters
3. Depth - .076 meters

- Total cubic meters of contaminated soil = 94.7 meters cubed.
- 2.2 liters of OSE II per Meter Cubed + 38 liters of water/meter cubed.
- OSE II needed: 2.2 liters/meters cubed x 94.7m3 = 208 liters = one (1) 55 gallon Drum. Water needed: 3534 liters

C. ***Application: - OSE II - October 19, 2003***

- They divided length of spill (265 meters) by 12. This gave them 12-22 meter long areas.
- Apply 17.3 liters of OSE II and 300 liters of water to each of the 12-22 meter long areas.
- Water 1 time per week with 3597 liters of water unless it rains.

D. ***Test:***

- Pull test sample every 30 days.
- Take sample to lab and run modified EPA 8015 Test for TPH levels.
- Discontinue when sample reaches acceptable TPH Levels.

Sincerely,

O. A. (George) Lively
Rear Admiral (RET)
President/OSEI, Corp.

"The Bitterness of Poor Performance Remains Long after the Sweetness of Low Price is Forgotten"

Anachem, Inc.

Date: *02-Dec-03*

CLIENT:	OSEI Company	**Lab Order:**	0311276
Project:	Osage Indian Reservation/ Farmland Industries/R	**Lab ID:**	0311276-01A
Location:	Osage Indian Reservation, Bartlesville, OK	**Collection Date:**	11/24/2003 10:10:00 AM
Client Sample:	Crude Oil Spill Osage Indian Reservation	**Matrix:**	SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HYDROCARBON CHARACTERIZATION BY MOD. 8015 - SOLID				Batch: **R26633**		Analyst: **CW**
Diesel	11000	5.0		mg/Kg	1	12/1/2003
Gasoline	ND	5.0		mg/Kg	1	12/1/2003
Oil	41000	5.0		mg/Kg	1	12/1/2003

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Anachem, Inc.

Date: *15-Dec-03*

CLIENT:	OSEI Company	**Lab Order:**	0312156
Project:	Osage Indian Reservation/Farmland Ind.	**Lab ID:**	0312156-01A
Location:	Bartlesville, OK	**Collection Date:**	12/12/2003 3:12:00 PM
Client Sample:	Soil Sample Damp	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HYDROCARBON CHARACTERIZATION BY MOD. 8015 - SOLID				Batch: **R26815**		Analyst: **HH**
Diesel	ND	5.0		mg/Kg	1	12/15/2003
Gasoline	ND	5.0		mg/Kg	1	12/15/2003
Oil	39000	5.0		mg/Kg	1	12/15/2003

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Anachem, Inc.

Date: *07-Jan-04*

CLIENT:	OSEI Company	**Lab Order:**	0401013
Project:	Osage Indian Reservation	**Lab ID:**	0401013-01A
Location:	Bartlesville, OK	**Collection Date:**	1/6/2004 10:35:00 AM
Client Sample:	Farmland Industries	**Matrix:**	SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HYDROCARBON CHARACTERIZATION BY MOD. 8015 - SOLID				Batch: **R27018**		Analyst: **CW**
Diesel	ND	5.0		mg/Kg	1	1/6/2004
Gasoline	ND	5.0		mg/Kg	1	1/6/2004
Oil	25000	5.0		mg/Kg	1	1/6/2004

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Anachem, Inc.

nelap Certification No. 02093

Date: *01-Mar-04*

CLIENT:	OSEI Company	**Lab Order:**	0402240
Project:	Osage Indian Reservation (Farmland Industries)	**Lab ID:**	0402240-01A
Location:	Bartlesville, OK	**Collection Date:**	2/26/2004
Client Sample:	Osage Indian Reservation	**Matrix:**	SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HYDROCARBON CHARACTERIZATION BY MOD. 8015 - SOLID				Batch: **R27712**		Analyst: **MB**
Diesel	ND	5.0		mg/Kg	1	2/27/2004
Gasoline	ND	5.0		mg/Kg	1	2/27/2004
Oil	16000	5.0		mg/Kg	1	2/27/2004

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike Recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit

1984 - 2004 20 YEARS OF EXCELLENCE