

Environmental Incident Report Website

Tesoro Pipeline and
BNSF Casselton Derailment Updates



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Welcome to the North Dakota Department of Health website. It's amazing how public health affects our lives every day. We breathe clean air and drink safe, sparkling water. Our garbage is disposed of properly. We can do our jobs in smoke-free workplaces and feel confident that the food we eat in restaurants is safe. Our children are immunized against many diseases that struck fear into the heart of every parent just a few decades ago. These accomplishments and more are due to the efforts of public health at the state and local level.

To see how public health affects your life every day, click here: [A Day in Your Life Thanks to Public Health](#).

All of us at the Department of Health are committed to safeguarding the health of every North Dakotan. We look forward to continuing our service to you.

Terry Dwelle, M.D., M.P.H.T.M.
State Health Officer

Health Topics A-Z

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Environmental Incident Reports



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Environmental Incident Reports

In North Dakota, both the Department of Health's Environmental Health Section and the Department of Mineral Resources' Oil and Gas Division of the North Dakota Industrial Commission receive reports of environmental incidents. Incidents reported to the Department of Health are called General Environmental Incidents while those reported to the Department of Mineral Resources are called Oilfield Environmental Incidents. [Details about reporting requirements can be found on the Submit an Environmental Incident Report page.](#)

The oilfield environmental incident data is gathered and maintained by the Oil and Gas Division. The Department of Health is allowed read-only access to a portion of this data and provides it to the public as received without modification. When Department of Health staff investigate reported incidents, they will update the information and record it in the update section of each report, producing a new version of the summary report with the next web page update cycle. The web page is updated routinely.

General Environmental Incidents



[General Environmental Incidents that occurred within the last 12 months](#)

[General Environmental Incidents older than 12 months](#)

Tables were last updated on February 3, 2014 at 9:00 AM CST

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Related Information

- ✦ [Submit an Environmental Incident Report](#)
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Oilfield Environmental Incidents



[Oilfield Environmental Incidents that occurred within the last 12 months which were contained within the boundaries of the production or exploration facility](#)

[Oilfield Environmental Incidents that occurred within the last 12 months which were not contained, for example, an overflow of the boundaries of the facility or a leak from a facility pipeline](#)

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Tables were last updated on February 3, 2014 at 9:00 AM CST

[Graphical Information Derived from the Oilfield Environmental Incidents](#)

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General Environmental Incidents - Newer

This is the data the ND Dept. of Health, Environmental Health Section, receives whenever a General Environmental Incident report is filed.

This table contains records for incidents that have occurred over the last 12 months.

Individual reports may be viewed by clicking on the record of interest in the Incident ID column. Individual columns may be sorted by clicking on the  icon of the column of interest.

Multiple column sorting is available by holding down the Shift key while clicking on the  icon of the desired columns in the desired sort order. One barrel = 42 US gallons.

Incident ID 	Date Reported 	Incident Date 	County 	Township Range Section 	Latitude 	Longitude 	Contaminant 	Volume 	Units 
EIR2186	2014-02-01	2014-01-31	Williams	15510005			Natural Gas		
EIR2187	2014-02-01	2014-02-01	McKenzie	15210109			Crude Oil	30	gallons
EIR2185	2014-01-31	2014-01-29	Williams	15410224	48.14453	-103.73760	Diesel Fuel	50	gallons
EIR2184	2014-01-30	2014-01-29	Ward	15508220	48.23771	-101.25070	Diesel	30	gallons
EIR2183	2014-01-28	2014-01-27	Williams	15110219	48.41589	-103.90720	Production Water/Salt Water	35	gallons
EIR2181	2014-01-25	2014-01-25	McHenry	15107603	47.92321	-100.39220	Diesel Fuel	50	gallons
EIR2182	2014-01-24	2014-01-24	Williams	15910027	48.57121	-103.59310	Oil and water mixture	40	gallons
EIR2180	2014-01-23	2014-01-23	Cass	13904903	46.88187	-96.84348	Diesel Fuel	125	gallons
EIR2179	2014-01-22	2014-01-21	Williams	15810023	48.49004	-103.57910	Methanol	10	barrels
EIR2176	2014-01-17	2014-01-01	McKenzie	15309735			Diesel fuel	150	gallons
EIR2177	2014-01-17	2014-01-17	McKenzie	15309735			Diesel soaked soil, snow and ice excavated from a spill site, stored in leaking containers and placed on a creed drainage area.		
EIR2178	2014-01-17	2014-01-16	Oliver	14408421			#2 Dyed Diesel Fuel	1500	gallons
EIR2174	2014-01-14	2014-01-14	Burke	16109124	48.75010	-102.42810	Clean Hydraulic Oil	100	gallons
EIR2171	2014-01-13	2014-01-08	McKenzie	15010118	47.80864	-103.66270	Salt Water & Crude Oil Mixture		
EIR2172	2014-01-13	2014-01-13	McKenzie	15209704	48.02296	-103.10470	crude oil	25	barrels
EIR2169	2014-01-10	2014-01-03	McKenzie	15110335	47.85019	-103.17980	Natural Gas Liquids (Condensate)	84	gallons
EIR2170	2014-01-10	2014-01-08	Mountrail	15609309	48.34292	-102.63410	#2 Diesel Fuel	30	gallons
EIR2175	2014-01-10	2014-01-08	Williams	15410224	48.14458	-103.73770	Diesel Fuel	100	gallons
EIR2168	2014-01-08	2014-01-07	McKenzie	15009924	47.80333	-103.28160	Red 1 Diesel Fuel	100	gallons

General Environmental Incident Summary

Incident 2168 **Date / Time of Notice** 1/8/2014 **DEM Incident Number:**
Responsible Party: Rolfson Oil
Date Incident: 1/7/2014 **Time Incident:** 1:00am **Duration:** 3 minutes
County: McKenzie **Twp:** 150 **Rng:** 99 **Sec:** 24 **Qtr:** SW
Lat: 47.90333 **Long:** -103.28160 **Method:** Address matching
Location Description: 202 3rd Ave SW, Watford City, ND 58854
Submitted By: Leigh Jennings **Affiliation:**
Address 202 3rd Ave SW **City:** Watford City
State: ND **Zip:**

Received By:

Contact Person: Leigh Jennings
202 3rd Ave SW
Watford City, ND 58854

Distance Nearest Occupied Building: 150 Feet

Type of Incident: Tank Overflow

Description of Released Contaminant: Red 1 Diesel Fuel

Volume Spilled: 100 gallons **EPA Extremely Hazardous Substance:** Unknown

Cause of Incident:

Our Driver was loading T5 with fuel and thought the pump wasn't pumping as quickly as it normally does. He then quick went inside to notify the office. When he walked back to the truck the tank was overflowing. He forget to turn off the pump causing the fuel to spill over.

Risk Evaluation:

none

of Fatalities: 0 **# of Injuries:** 0 **Affected Medium:** 03 - soil

Potential Environmental Impacts:

The likelihood of surface or ground water impact is low as it was immediately cleaned up after it occurred.

Action Taken or Planned:

The spill was mostly in the snow so it was shoveled out and put into the waste tank on site, and pig blankets were used as well. The future planned action is it retain this employee on safety procedures and to write him up for this misconduct.

Wastes Disposal Location: Designated waste tanks on site.

Updates

Date: 1/8/2014 Status: Reviewed, Followup Required Staff: Roberts, Kris

Updated Volume:

Release due to overfilling a fuel tank from a truck. Impacted snow was containerized and absorbent blankets laid down. Followup is necessary to determine adequate cleanup.

Date: 1/28/2014 Status: Inspected, More Followup Required Staff: Espe, Brady

Updated Volume:

When I arrived at the site the temperature was 5 °F, with a wind from the west at 15 mph. The fuel tanks are within a concrete containment that is lined with a synthetic liner. There is no evidence that anything was left in the tank containment. The clean- up company representative was at the site. He indicated that the rest of the fuel will be sucked up with a vacuum truck later today or early tomorrow morning. A follow-up inspection is required in the future to check on the cleanup.

Oilfield Environmental Incidents - Newer

This is the data the ND Department of Health, Environmental Health Section, receives from the Oil and Gas Division whenever an Oilfield Environmental Incident report is filed. This table contains records for incidents that have occurred over the last 12 months which were not contained, for example, an overflow of the facility boundaries or a leak from a facility pipeline. Individual reports may be viewed by clicking on the record of interest in the Incident ID column. Individual columns may be sorted by clicking on the  icon of the column of interest. Multiple column sorting is available by holding down the Shift key while clicking on the  icon of the desired columns in the desired sort order. One barrel = 42 US gallons.

Incident ID	Date Reported	Incident Date	County	Township Range Section	Well Name	Oil Volume	Oil Units	Salt Water Volume	Salt Water Units	Other Volume	Other Units	Other Contaminant	Contained
RWH00000313	2013-12-08	2013-12-08	BILLINGS	14210206	FEDERAL DM 9210 JV-P 2	20	barrels	650	barrels	0	barrels		No
20131207162912	2013-12-07	2013-12-07	MCKENZIE	15209622	MESA VERDE 34-22MBH	110	barrels	0	barrels	0	barrels		No
20131209123646	2013-12-07	2013-12-07	DIVIDE	16109722	ANKER 1-22H	2	barrels	0	barrels	0	barrels		No
20131206113223	2013-12-06	2013-12-05	DIVIDE	16009929	MURPHY 29-32-160-99H 1CN	0	barrels	20	barrels	0	barrels		No
20131205150209	2013-12-05	2013-12-05	MCKENZIE	15210124	LEANNE 5201 41-24B	0	barrels	0	barrels	0	barrels	None	No
20131204141248	2013-12-04	2013-12-04	STARK	14009808	ZALESKY 14-8PH	0	barrels	0	barrels	300	barrels	Fresh Water	No
20131204153333	2013-12-04	2013-12-03	MCKENZIE	15009735	SKJELVIK 4-35	0	barrels	0	barrels	0	barrels		No
20131204155029	2013-12-04	2013-11-23	BOWMAN	13010703	42-03A-9	0	barrels	150	barrels	0	barrels		No
20131204174748	2013-12-04	2013-12-04	DUNN	14509516	BARTLETT 21-16TFH	50	gallons	0	barrels	0	barrels		No
20131203115943	2013-12-03	2013-12-02	DUNN	14509713	MARSHALL 1-13H	50	barrels	10	barrels	0	barrels		No
20131205153955	2013-12-03	2013-12-03	DUNN	14909323	SKUNK CREEK 23-14 HC	10	barrels	0	barrels	0	barrels		No
20131202100606	2013-12-02	2013-12-01	BURKE	15909429	MOBERG 29A-2-3H	0	barrels	0	barrels	200	barrels	COMBINATION OF PRODUCED FLUID AND FRAC FLUID	No
20131202144537	2013-12-02	2013-12-02	WILLIAMS	15609532	BLMU CTB	5	barrels	0	barrels	0	barrels	Oil	No
20131127105105	2013-11-27	2013-11-27	WILLIAMS	15710221	QUARNE 2-21-16H	1	barrels	0	barrels	0	barrels	n/a	No
20131126064650	2013-11-26	2013-11-25	MOUNTRAIL	15309015	WAYZETTA 150-1509H	10	gallons	0	barrels	0	barrels		No
20131126140719	2013-11-26	2013-11-26	DUNN	14809422	FORT BERTHOLD 148-94-22B-27-5H	1	barrels	0	barrels	0	barrels	n/a	No
20131126143708	2013-11-26	2013-11-26	DUNN	14809419	FORT BERTHOLD 148-94-19D-18-2H	1	barrels	0	barrels	0	barrels	n/a	No

Oil Field Environmental Incident Summary

Incident 20131207182912 **Date / Time of Notice** 12/7/2013 16:09
Responsible Party: Burlington Resources
Well Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP
Well Name: MESA VERDE 34-22MBH
Field Name: CLEAR CREEK **Well File #:** 23294
Date Incident: 12/7/2013 **Time Incident:** 09:30 **Facility ID Number:**
County: MCKENZIE **Twp:** 152 **Rng:** 96 **Sec:** 22 **Qtr:** SE SW
Location Description: Well pad and area off of North East side of the pad
Submitted By: Lewis Schoenberger **Received By:**
Contact Person: Lewis Schoenberger
PO BOX 51810
MIDLAND, TX 79710-1810

General Land Use: Well/Facility Site **Affected Medium:** Well/Facility Soil

Distance Nearest Occupied Building: 0.5 Miles
Distance Nearest Water Well: 0.5 Miles

Type of Incident: Vessel Leak

	Release Contained in Dike		No		Reported to NRC:	
	Spilled	Units	Recovered	Units	Followup	Units
Oil	83	barrels	0	barrels		
Brine	0	barrels	0	barrels		
Other	0	barrels	0	barrels		

Description of Other Released Contaminant:

Inspected: **Written Report Received:** **Clean Up Concluded:**

Risk Evaluation:

Areal Extent:
~80 feet by 20 feet outsided of the tank dike.

Potential Environmental Impacts:

Action Taken or Planned:

A vacuum truck is enroute to sucke up the free oil and place it back into an oil storage tank. A back hoe has been dispatched to excavate oil impacted soil and debris for appropriate disposal.

Wastes Disposal Location:

Updates

Date: 12/9/2013 Status: Phone Contact Staff: Miller, Adam

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant:

Updated release estimate is 110 bbls, but only about 10 bbls escaped the location. There have been about 50 bbls recovered and put back into production. Oil-impacted material off location has been scraped up and stockpiled on the pad; awaiting disposal.

Date: 12/9/2013 Status: Reviewed; Followup Required Staff: Stockhill, Scott

Updated Oil Volume: 110 barrels

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant:

According to the incident report, this spill impacted areas off of location. Followup necessary.

Date: 12/11/2013 Status: Inspected Staff: Espe, Brady

Updated Oil Volume:

Updated Salt Water Volume:

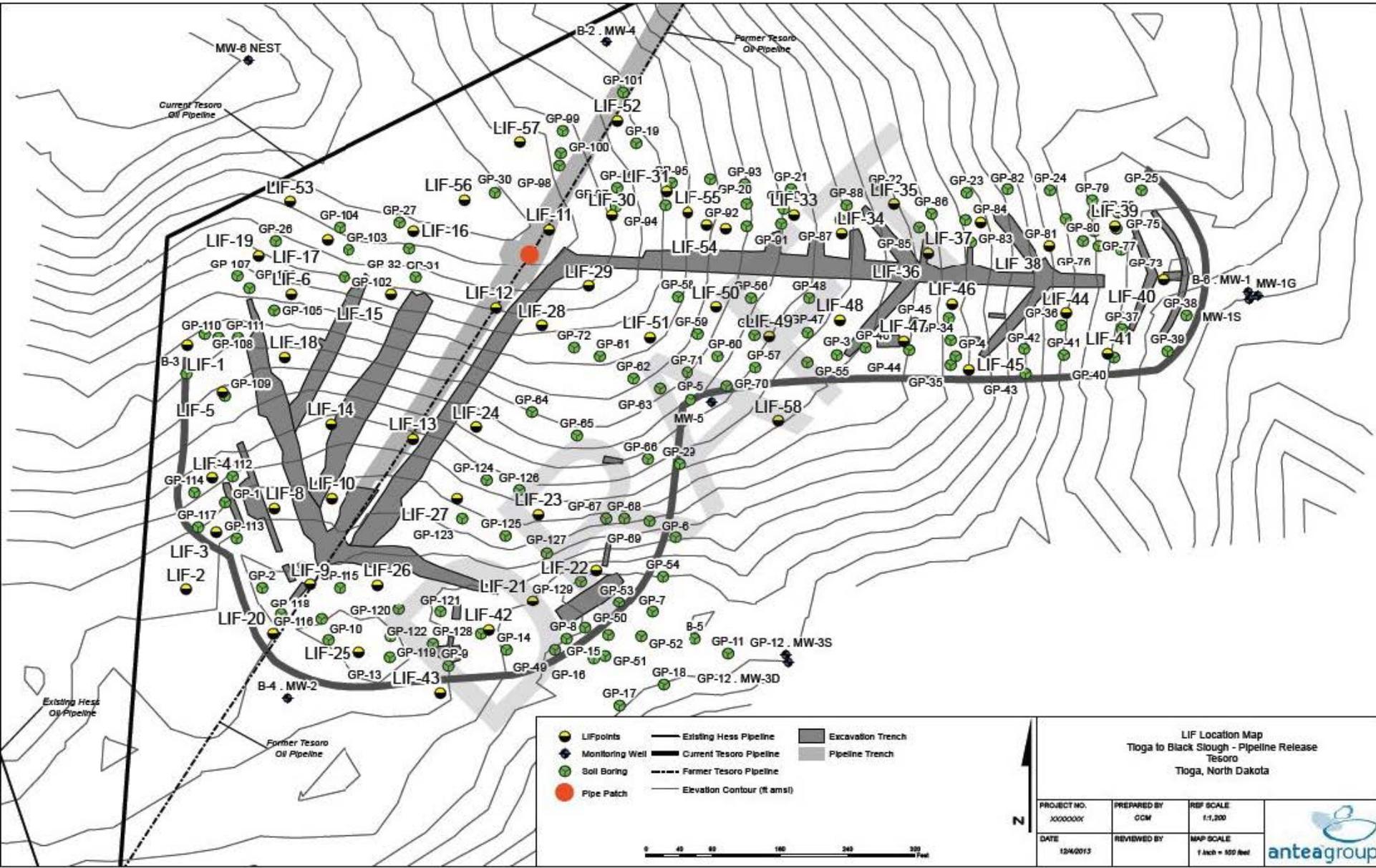
Updated Other Volume:

Updated Other Contaminant:

I stopped at the site around 1:09 p.m. The temperature was about 9°F; with a wind from the northwest at 5.5 mph. The spill filled up around the tanks within the containment; a small amount of oil leaked out of the southeast corner of containment. The oil stopped at the lease road. The cleanup crew was finishing the removal of soil impact by road and outside of containment. The removed soil was being hauled away. They will be sucking up the rest of the oil-soaked 3/4" fine material within the dikes and replace it with clean material. The containment has a synthetic liner under the fine material. Further followup is not required at this time.

Tesoro Remediation Update

- Work Completed to date:
 - > Containment - Construction of Cut off walls
 - > Construction – French Drains
 - Security Fence
 - > Delineation of Oil Contamination including Free Phase Product in Surface/Subsurface
 - > Product Recovery Continues (over 6,000 barrels)



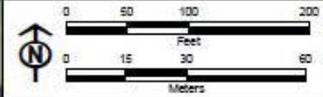
	LIFpoints		Existing Hess Pipeline		Excavation Trench
	Monitoring Well		Current Tesoro Pipeline		Pipeline Trench
	Soil Boring		Farmer Tesoro Pipeline		
	Pipe Patch		Elevation Contour (ft amsl)		

LIF Location Map
 Tloga to Black Slough - Pipeline Release
 Tesoro
 Tloga, North Dakota

PROJECT NO. XXXXXXX	PREPARED BY GCM	RSF SCALE 1:1,200
DATE 12/4/2013	REVIEWED BY	MAP SCALE 1 inch = 100 feet

Tesoro Remediation Update

- Refine Contamination Footprint
 - Surface Area
 - Subsurface
- Groundwater Monitoring
- Proposed Remediation
 - Thermal Treatment
 - Excavate – Treat – Replace – Rejuvenate Soil
 - Over 30 Ft deep in some areas (additional assessment needed)
 - 2 year process??



- Legend**
- +— Estimated Location of Rail
 - >— Culvert Location
 - Estimated 25' Offset Centerline Rail
 - ▭ Surveyed Extent of Excavation
 - ▭ Stockpiles

Service Layer Credits: Source: Esri, i-cubed, USDA, USGS, AEX, GeoEye, Getmapping, Aergrid, IGN, IGP, and the GIS User Community

NO.	DATE	REVISIONS	BY	CHKD

Pinnacle Engineering
 1741 52th Ave N
 Minneapolis, MN 55412
 (763) 313-4001
 www.peng.com

DATE	DESIGN	IN	REVISION	DATE	BY	CHKD	APPD

PROJECT: CASSELTON DERAILMENT
 CASSELTON, ND

CLIENT: **BNSF**

DRAWING TITLE: SOIL EXCAVATION AREA MAP

PROJECT NO.: P-1038-00

DRAWING NO.: 3

SCALE: AS SHOWN

Casselton Train Derailment

- Delineate Extent of Contamination
- Remove Surface Contamination
 - Est. 9,000 cu yds
- Dispose Offsite
- Contain Runoff
- Subsurface Assessment
- Remediate Remaining Soil Contamination – if needed
- Completion Date Summer 2014