



WASHINGTON STATE  
DEPARTMENT OF  
E C O L O G Y

# INITIAL INVESTIGATION FIELD REPORT

ERTS: 659616

Parcel(s): 51803512003

County: Grays Harbor

## SITE INFORMATION

Site Name (e.g., Co. name over door): Hoquiam Plywood	Site Address (including City and Zip+4): 1000 Woodlawn Street Hoquiam, WA 98550	Site Phone: 360-533-3060
Site Contact and Title: Brian Fuller, Maintenance Supervisor	Site Contact Address (including City and Zip+4): 1000 Woodlawn Street Hoquiam, WA 98550	Site Contact Phone: 360-533-3060
Site Owner: Hoquiam Plywood Products	Site Owner Address (including City and Zip+4): POB 1300 Morgan Hill, CA 95038	Site Owner Phone:
Site Owner Contact: Brian Fuller, Maintenance Supervisor	Site Owner Contact Address (including City and Zip+4): 1000 Woodlawn Street Hoquiam, WA 98550	Owner Contact Phone: 360-533-3060
Alternate Site Name(s):	Comments:	
Previous Site Owner(s):	Comments:	

Latitude (Decimal Degrees): 47.002952
Longitude (Decimal Degrees): -123.882820

## INSPECTION INFORMATION

Inspection Conducted? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Date/Time:	Entry Notice: Announced <input type="checkbox"/> Unannounced <input type="checkbox"/>
Photographs taken?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Samples collected?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If Yes, be sure to include a figure/sketch showing sample locations.

## RECOMMENDATION

<b>No Further Action</b> (Check appropriate box below):	<b>LIST on Confirmed and Suspected Contaminated Sites List:</b> <input type="checkbox"/>
Release or threatened release does not pose a threat <input type="checkbox"/>	
No release or threatened release <input type="checkbox"/>	
Refer to program/agency (Name: _____) <input type="checkbox"/>	
Independent Cleanup Action Completed (i.e., contamination removed) <input checked="" type="checkbox"/>	

## COMPLAINT (Brief Summary of ERTS Complaint):

Historic lube oil discharge discovered by Ecology Water Quality Inspector.

## CURRENT SITE STATUS (Brief Summary of why Site is recommended for Listing or NFA):

Contaminated soil over-excavated. Due to successful remediation of the spill site, I recommend NFA.

Investigator: Robin Munroe	Date Submitted: 12/8/15
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## OBSERVATIONS

**Description** (please be sure to include the following: site observations, site features and cover, chronology of events, sources/past practices likely responsible for contamination, presence of water supply wells and other potential exposure pathways, etc.):

On 9/23/15 Washington Department of Natural Resources (DNR) staff observed a sheen in the East Fork Hoquiam River. A joint inspection was conducted with Ecology Water Quality Inspector Kevin Hancock. It was determined there was oil discharging from water running from under the production building at Hoquiam Plywood.

Ecology Spill Responder Ron Holcomb and Mr. Hancock further assessed the situation and concluded the lube oil discharge was not from a current spill but from suspected historic contamination carried to the river from a leaking water pipe. Sausage booms were deployed in the river and the leaking water pipe was shut-off.

Mr. Holcomb discussed the situation with Mr. Brian Fuller, Hoquiam Plywood Maintenance Supervisor to implement a permanent oil containment system, separate the groundwater from the oil spill site, collect soil samples to determine the extent of historic contamination, and conduct a cleanup of the contamination. Mr. Fuller stated they would contract with Cowlitz Clean Sweep (CCS) to conduct the cleanup.

On 9/24/15 following further investigation of the contamination a leaking fire system water pipe was shut-off, no additional flow through the contaminated soil occurred. Oil pads were secured to the building floor above the historic contaminated soil to prevent further contamination.

On 9/25/15 Mr. Holcomb collected a soil sample from the oil contaminated area under the production building. The sample was sent to Ecology's Manchester Environmental Laboratory (MEL) according to chain-of-custody protocol and tested for petroleum & the presence of PCBs.

Analysis result reported 10/6/15:

- Non-detect for PCB
- Lube Oil 240,000 ppm

On 10/9/15 the contaminated soil cleanup site was referred to Ecology's Toxic Cleanup Program (TCP).

On 10/12/15 TCP Initial Investigator Robin Munroe contacted MEL to request PAH and RCRA 8 Metals analysis on the soil sample that was submitted on 9/25/15.

Analysis results reported 10/23/15:

- PAH content could not be determined because the laboratory reporting limit for PAH was above the MTCA Method A Cleanup Level.
- Chromium was detected at the site but was not speciated into specific forms of chromium. Therefore, not a threat to human health or the environment.

On 11/12/15 CCS collected 8 soil samples from the excavation following removal of the contaminated soil. The samples were analyzed by Dragon Analytical Laboratory using NWTPH-Dx.

Analysis results reported 11/13/15:

- All samples were non-detect for diesel.

On 11/18/15 Ms. Munroe contacted Mr. Fuller to request additional analysis of the samples collected on 11/12/15.

- PAH (laboratory detection limits below 0.1 mg/kg)
- RCRA 8 metals

Analysis results reported 12/7/15:

- All samples were **non-detect for PAH**
- All contaminants detected were **below MTCA Method A Cleanup Levels**

Copies of the Special Waste Bills of Lading document the disposal of **24.79 tons of CONTAMINATED SOIL** was received at Cowlitz County Landfill on November 30, 2015.

On 12/8/15 Ms. Munroe contacted Mr. Fuller to confirm receipt of laboratory results and to authorize Hoquiam Plywood to close the cleanup site and resume operations at that location.

Due to successful remediation of the release, I **recommend NFA**.

(fill in contaminant matrix below with appropriate status choice from the key below the table)

CONTAMINANT GROUP	CONTAMINANT	SOIL	GROUNDWATER	SURFACE WATER	AIR	BEDROCK	DESCRIPTION
Non-Halogenated Organics	Phenolic Compounds						Compounds containing phenols (Examples: phenol; 4-methylphenol; 2-methylphenol)
	Non-Halogenated Solvents						Organic solvents, typically volatile or semi-volatile, not containing halogens, i.e., Chlorine, Iodine, Bromine or Fluorine. (Examples include acetone, benzene, toluene, ethylbenzene & xylenes [BTEX], methyl ethyl ketone, ethyl acetate, methanol, ethanol, isopropanol, formic acid, acetic acid, Stoddard solvent and naphtha)
	Polynuclear Aromatic Hydrocarbons (PAH)						Hydrocarbons composed of two or more benzene rings.
	Tributyltin						The main active ingredients in biocides used to control a broad spectrum of organisms. Found in antifouling marine paint, antifungal action in textiles and industrial water systems. (Examples: Tributyltin; monobutyltin; dibutyltin)
	Methyl tertiary-butyl ether						MTBE is a volatile oxygen-containing organic compound that was formerly used as a gasoline additive to promote complete combustion and help reduce air pollution.
	Benzene						Benzene
	Other Non-Halogenated Organics						Other Non-Halogenated Organics (Example: Phthalates)
	Petroleum Diesel						Petroleum Diesel
	Petroleum Gasoline						Petroleum Gasoline
	Petroleum Other						Crude oil and any fraction thereof. Petroleum products that are not specifically Gasoline or Diesel.
Halogenated Organics (see notes at bottom)	PBDE						Polybrominated di-phenyl ether
	Other Halogenated Organics						Other organic compounds with halogens (chlorine, fluorine, bromine, iodine). Search HSDB ( <a href="http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB">http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB</a> ) and look at the Chemical/Physical Properties, and Molecular Formula. If there is a Cl, I, Br, F in the formula, it is halogenated. (Examples: Hexachlorobutadiene; hexachlorobenzene; pentachlorophenol)
	Halogenated solvents						Solvents containing halogens (Halogen is typically chlorine, but can also be fluorine, bromine, iodine), and their breakdown products (Examples: Trichloroethylene; Tetrachloroethylene (aka Perchloroethylene); TCE; TCA; trans and cis 1,2 dichloroethylene; vinyl chloride)
	Polychlorinated Biphenyls (PCB)						Any of a family of industrial compounds produced by chlorination of biphenyl, noted primarily as an environmental pollutant that accumulates in animal tissue with resultant pathogenic and teratogenic effects
	Dioxin/dibenzofuran compounds (see notes at bottom)						A family of more than 70 compounds of chlorinated dioxins or furans. (Examples: Dioxin; Furan; Dioxin TEQ; PCDD; PCDF; TCDD; TCDF; OCDD; OCDF). <i>Do not use for 'dibenzofuran', which is a non-chlorinated compound that is detected using the semivolatle organics analysis 8270</i>
Metals	Metals - Other						Metals other than arsenic, lead, or mercury. (Examples: cadmium, antimony, zinc, copper, silver)
	Lead						Lead
	Mercury						Mercury
	Arsenic						Arsenic
Pesticides	Non-halogenated pesticides						Pesticides without halogens (Examples: parathion, malathion, diazinon, phosmet, carbaryl (sevin), fenoxycarb, aldicarb)
	Halogenated pesticides						Pesticides with halogens (Examples: DDT; DDE; Chlordane; Heptachlor; alpha-beta and delta BHC; Aldrin; Endosulfan, dieldrin, endrin)
Other Contaminants	Radioactive Wastes						Wastes that emit more than background levels of radiation.
	Conventional Contaminants, Organic						Unspecified organic matter that imposes an oxygen demand during its decomposition (Example: Total Organic Carbon)

CONTAMINANT GROUP	CONTAMINANT	SOIL	GROUNDWATER	SURFACE WATER	AIR	BEDROCK	DESCRIPTION
	Conventional Contaminants, Inorganic						Non-metallic inorganic substances or indicator parameters that may indicate the existence of contamination if present at unusual levels (Examples: Sulfides, ammonia)
	Asbestos						All forms of Asbestos. Asbestos fibers have been used in products such as building materials, friction products and heat-resistant materials.
	Other Deleterious Substances						Other contaminants or substances that cause subtle or unexpected harm to sediments (Examples: Wood debris; garbage (e.g., dumped in sediments))
	Benthic Failures						Failures of the benthic analysis standards from the Sediment Management Standards.
	Bioassay Failures						For sediments, a failure to meet bioassay criteria from the Sediment Management Standards. For soils, a failure to meet TEE bioassay criteria for plant, animal or soil biota toxicity.
Reactive Wastes	Unexploded Ordnance						Weapons that failed to detonate or discarded shells containing volatile material.
	Other Reactive Wastes						Other Reactive Wastes (Examples: phosphorous, lithium metal, sodium metal)
	Corrosive Wastes						Corrosive wastes are acidic or alkaline (basic) wastes that can readily corrode or dissolve materials they come into contact with. Wastes that are highly corrosive as defined by the Dangerous Waste Regulation (WAC 173-303-090(6)). (Examples: Hydrochloric acid; sulfuric acid; caustic soda)

Status choices for contaminants	
Contaminant Status	Definition
B - Below Cleanup Levels (Confirmed)	The contaminant was tested and found to be below cleanup levels. (Generally, we would not enter each and every contaminant that was tested; for example if an SVOC analysis was done we would not enter each SVOC with a status of "below". We would use this for contaminants that were believed likely to be present but were found to be below standards when tested)
S - Suspected	The contaminant is suspected to be present; based on some knowledge about the history of the site, knowledge of regional contaminants, or based on other contaminants known to be present
C - Confirmed Above Cleanup Levels	The contaminant is confirmed to be present above any cleanup level. For example - above MTCA method A, B, or C; above Sediment Quality Standards; or above a presumed site-specific cleanup level (such as human health criteria for a sediment contaminant).
RA - Remediated - Above	The contaminant was remediated, but remains on site above the cleanup standards (for example - capped area).
RB - Remediated - Below	The contaminant was remediated, and no area of the site contains this contaminant above cleanup standards (for example - complete removal of contaminated soils).

**Halogenated chemicals and solvents:** Any chemical compound with chloro, bromo, iodo or fluoro is halogenated; those with eight or fewer carbons are generally solvents (e.g. halogenated methane, ethane, propane, butane, pentane, hexane, heptane or octane) and may also be used for or

**Dibenzodioxins and dibenzofurans** are normalized to a combined equivalent toxicity based on 2,3,7,8-tetrachloro-p-dibenzodioxin as set out in Ch. 173-340-708(8)(d) and in the Evaluating the Toxicity and Assessing the Carcinogenic Risk of Environmental Mixtures using Toxicity Equivalency Factors Focus Sheet (<https://fortress.wa.gov/ecy/clarc/FocusSheets/tef.pdf>). Results may be

**FOR ECOLOGY USE ONLY (For Listing Sites):**

How did the Site come to be known:  Site Discovery (received a report): \_\_\_\_\_ (Date Report Received)  
 ERTS Complaint  
 Other (please explain): \_\_\_\_\_

Does an Early Notice Letter need to be sent:  Yes  No  
If No, please explain why: \_\_\_\_\_

NAICS Code (if known): \_\_\_\_\_  
Otherwise, briefly explain how property is/was used (i.e., gas station, dry cleaner, paint shop, vacant land, etc.):  
\_\_\_\_\_

Site Unit(s) to be created (Unit Type):  Upland (includes VCP & LUST)  Sediment

If multiple Units needed, please explain why: \_\_\_\_\_

Cleanup Process Type (for the Unit):  No Process  Independent Action  
 Voluntary Cleanup Program  Ecology-supervised or conducted  
 Federal-supervised or conducted

Site Status:  Awaiting Cleanup  Construction Complete – Performance Monitoring  
 Cleanup Started  Cleanup Complete – Active O&M/Monitoring  
 No Further Action Required

Site Manager (Default: Southwest Region): Southwest Region

Specific confirmed contaminants include: \_\_\_\_\_ Facility/Site ID No. (if known): \_\_\_\_\_  
\_\_\_\_\_ in Soil  
\_\_\_\_\_ in Groundwater  
\_\_\_\_\_ in Other (specify matrix: \_\_\_\_\_)

**COUNTY ASSESSOR INFO:**

Please attach to this report a copy of the tax parcel/ownership information for each parcel associated with the site, as well as a parcel map illustrating the parcel boundary and location.



**Department of Ecology - Environmental Report Tracking System**

**ERTS # 659616**

**Initial Report**

External Reference #

Caller Information

Where did it happen

*Bryan Fuller  
581 5029 @*

First Name: Brandon  
Last Name: Kingsburn  
Business Name: WA Dept of Natural Resources  
Street Address:  
Other Address:  
City: State: WA Zip:  
E-mail: Confidential\_FL   
Phone: Ext: Type:

Berth: Anchorage:  
Location Name: 1000  
Street Address: 10000 Woodlawn Ave  
Other Address:  
City/Place: HOQUIAM State: WA Zip: 98550  
County - Region: GRAYS HARBOR SWRO FS ID:  
WIRA #:  
Waterway: Type:  
Latitude: Longitude:  
Topo Quad 1:24:000 HOQUIAM  
Direction/Landmark (mile post, cross roads, township/range):

What happened

Spills Program Oil Spill? N

Incident Date: 9/23/2015 Received Date: 9/23/2015 8:10  
Medium: SURFACE WATER-FRESH  
Material: PETROLEUM - UNKNOWN  
Quantity: 1 Unit: OTHER  
Source: UNKNOWN  
Cause: UNKNOWN  
Activity: UNKNOWN  
Impact: POTENTIAL POLLUTION/RELEASE  
Vessel Name:  
Hull Number:

Primary Potentially Responsible Party Information

First Name: Bryan Last Name: Fuller  
Business Name: Hoquiam Plywood Co  
Street Address: 10000 Woodlawn Ave  
Other Address:  
City: HOQUIAM State: WA Zip: 98550  
Phone: (360) 533-3060 Ext: Type: Business  
E-mail:

Additional Contact Information

Name: Phone: Ext: Type:  
Barns, Abby

More Information

DNR staff reported seeing a sheen in the East Fork Hoquiam River. DNR requested Kevin Hancock assist in a joint inspection to investigate as the sheen moves with the current of the East Fork Hoquaim River on the same bank as the plant. There is no sheen up stream of the facility.

Entry Person JUNEAU, CONNIE

Entry Date 9/23/2015

Department of Ecology - Environmental Report Tracking System

ERTS # 659616

Referral

<p>Referral Method</p> <p><input type="radio"/> E-mail ERTS number</p> <p><input checked="" type="radio"/> E-mail attachment</p> <p><input type="radio"/> Print</p> <p><input type="radio"/> Telephone</p>	<p>Person Referred to HANCOCK, KEVIN</p> <p>Phone (360) 407-6298 Fax (360) 407-6305</p> <p>E-mail KHAN461@ECY.WA.GOV</p> <p>Program/Organization WATER QUALITY</p> <p>Address Industrial stormwater permits; Boatyard</p> <p>City WA</p> <p>Region/Location SWRO</p> <p>Referral Date 9/23/2015</p>	<p>Referral # 198860</p> <p>Primary <input type="checkbox"/></p>
<p>Referral Method</p> <p><input type="radio"/> E-mail ERTS number</p> <p><input type="radio"/> E-mail attachment</p> <p><input type="radio"/> Print</p> <p><input checked="" type="radio"/> Telephone</p>	<p>Person Referred to HOLCOMB, RON</p> <p>Phone 407-6373 Fax (360) 407-6305</p> <p>E-mail rhol461@ecy.wa.gov</p> <p>Program/Organization SPILLS, PREVENTION, PREPAREDNESS AND RESPONSE</p> <p>Address</p> <p>City</p> <p>Region/Location SWRO</p> <p>Referral Date 9/23/2015</p>	<p>Referral # 198897</p> <p>Primary <input type="checkbox"/></p>
<p>Referral Method</p> <p><input type="radio"/> E-mail ERTS number</p> <p><input checked="" type="radio"/> E-mail attachment</p> <p><input type="radio"/> Print</p> <p><input type="radio"/> Telephone</p>	<p>Person Referred to MUNROE, ROBIN</p> <p>Phone (360) 407-7080 Fax (360) 407-6305</p> <p>E-mail RMUN461@ecy.wa.gov</p> <p>Program/Organization TOXICS CLEANUP</p> <p>Address 300 DESMOND DRIVE SE</p> <p>City LACEY WA 98503-</p> <p>Region/Location SWRO</p> <p>Referral Date 10/12/2015</p>	<p>Referral # 199474</p> <p>Primary <input type="checkbox"/></p>

Followup (None)





# INCIDENT DETAIL REPORT

10/09/2015

KEVIN HANCOCK	WATER QUALITY	E-MAIL ATTACHMENT	09/23/15	(360) 407-6298	KHAN461@ECY.WA.GOV	N
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**Initial Info:**

DNR staff reported seeing a sheen in the East Fork Hoquiam River. DNR requested Kevin Hancock assist in a joint inspection to investigate as the sheen moves with the current of the East Fork Hoquiam River on the same bank as the plant. There is no sheen up stream of the facility.

# INCIDENT DETAIL REPORT

10/09/2015

## FOLLOW-UP REPORT:

**INCIDENT#: 84972**

### Incident Info:

<b>Case Name</b>	Hoquiam Plywood Historic Oil Discharge 9-23-15	<b>Incident#:</b>	84972	<b>ERTS#:</b>	659616
<b>Incident Date:</b>	09/23/2015	<b>ANT#:</b>		<b>SIC#:</b>	
<b>Inc. Category:</b>	Oil Spill	<b>PREP Vsl Emerg?</b>	N	<b>Tug Deployment?</b>	N
<b>Inc. Type#:</b>	5	<b>Status:</b>	Open	<b>Potential Enf.?</b>	Y
				<b>ECY Hired Contractor?</b>	N

### Location:

<b>Location:</b>	Hoquiam Plywood - East Fork of the Hoquiam Plywood	<b>LAT:</b>	47.00	<b>LONG:</b>	123.88
<b>Street Address:</b>	10000 Woodlawn Ave	<b>Driving Direction:</b>			
<b>Other Address:</b>					
<b>City, State, Zip</b>	HOQUIAM, WA 98550				
<b>County:</b>	GRAYS HARBOR	<b>Region:</b>	SWRO		

### Response:

Name	Role	Action	Start Date	End Date	Overtime?
RON HOLCOMB	SOSC	FIELD RESPONSE - TECHNICAL ASSISTANCE	09/23/15	10/06/15	Y
RON HOLCOMB	Responder	REFERRAL	10/09/15	10/09/15	N
RON HOLCOMB	Responder	WRITTEN - ENFORCEMENT	09/23/15		N

### What's happened:

#### OIL:

Vessel/Facility	Source	Other Source	Vessel IMO#	Reg?	Pri?	Delvr/Recvr
Hoquiam Plywood	Commercial/Industrial Facility			N	Y	

  

Material	Other Material	Medium	Other Medium	Spill Qty	Unit	Rec. Qty	Rec. 24Hrs
Z-UNKNOWN	Petroleum	River		0.19	Gals	0.00	

### Cause:

Cause	Other Cause	Immediate?	Remarks
UNKNOWN		N	Possible historic contamination. Lab analysis pending.

**Activity:** STATIC OR PERFORMING DESIGNED FUNCTION

**Impact:** SOIL CONTAMINATION, WATER POLLUTION

**Other Activity:**

**Does Not Effect WA:** N

### Weather & Tracking:

# INCIDENT DETAIL REPORT

10/09/2015

<b>Weather:</b>	<b>Wind Speed:</b>	<b>Tide Stage:</b>
<b>Visibility:</b>	<b>Wind Direction:</b>	<b>Tide Height:</b>
<b>Water Temp.</b>	<b>Current:</b>	<b>Swell Height:</b>
<b>Temperature:</b>	<b>Wave Height:</b>	<b>Swell Direction:</b>
<b>Sample Taken? Y</b>		<b>Entry By:</b> Ron Holcomb
<b>Photo Taken? Y</b>	<b>Lab Analysis? Y</b>	<b>Entry Date:</b> 09/24/2015
<b>PIO Involved? N</b>	<b>Document? N</b>	<b>Update By:</b> Ron Holcomb
<b>Press Release? N</b>	<b>Interview? Y</b>	<b>Last Update:</b> 10/09/2015

**PRP:**

Contact Name	Entity Name	Phone Number	Email Address	Street Address	Pri?
Bryan Fuller	Hoquiam Plywood Co			10000 Woodlawn Ave HOQUIAM, WA 98550	Y

**Notification:**

Entity	Name	Date/Time	Method	External?
ECY-Response Unit Supervisor	Jim Sachet	09/23/15 16:03	Telephone	N
ECY-Preparedness Duty Officer	Max Gordon	09/23/15 16:38	Telephone	N
ECY-TRAP	Dale Davis	09/23/15 16:58	Telephone	N
ECY-Water Quality	Kevin Hancock	09/23/15 15:33	Telephone	N

\*\*\*No TRAP Info.

**Narrative:**

Name: RON HOLCOMB Last Update: 10/9/2015 2:21:15 PM

**Incident Summary (Type 5)**

On 9/23/15 Ecology Water Quality Inspector Kevin Hancock along with representatives from DNR observed oil discharging from water running from under a building at Hoquiam Plywood to the East Fork of the Hoquiam River. An assessment by an Ecology Spill Responder determined the lube oil discharge was not from a current spill incident but from suspected historic contamination carried to the river from a leaking water pipe. Sausage boom was deployed in the river and the leaking water pipe was shut-off, which stopped the discharge of oil to the river.

Due to the historic contamination identified by Ecology's response, this site was referred to the Toxic Cleanup Program.

Spills Program enforcement is pending.

**Response Summary**

I (Ron Holcomb) was contacted directly by Kevin Hancock, Ecology Water Quality Inspector, and he requested that the Spill Response Unit respond to assist him with the situation. I responded shortly after receiving the call and arrived on-scene at about 1730.

Kevin and I assessed the source of the ground water, which appears to be originating under the facility (see photos in file). There was no evidence of a current spill but it appears there is historic oil contamination in the soil under the building that is being discharged to the river from a leaking water pipe. I collected a sample of the oil sheen and then deployed several sections of sausage boom in the river where the sheen is entering. The oil sheen is very thin and is not recoverable with sorbent material.

Before leaving the site, I discussed the situation with Bryan Fuller, Hoquiam Plywood Maintenance Supervisor, and explained that Hoquiam Plywood may need to do the following based on additional assessment by Ecology:

- 1.) Hire a cleanup contractor (Bryan said he would contact Cowlitz Clean Sweep);
- 2.) Deploy a more "permanent" oil containment system;
- 3.) assess short-term options such as re-routing the groundwater that is carrying the oil from under their building to the river,
- 4.) collect soil samples to determine extent of historic contamination; and
- 5.) conduct any needed cleanup to eliminate future discharges to the river.

# INCIDENT DETAIL REPORT

10/09/2015

On 9/24/15 I told Kevin Hancock what I had instructed Bryan Fuller and he reported that Water Quality would not be taking the lead (because the water is not technically storm water but ground water).

I also received a call from Joe German, Cowlitz Clean Sweep, and he explained that the mill identified a leaking fire system water pipe that had been flowing through a suspected pile of contaminated soil and then entering the flow of ground water that we had followed under the building on 9/23/15. When the water source was secured, no additional flow through the contaminated soil occurred. CCS also advised the mill to put oil pads on the building floor above the historic contaminated soil to prevent further contamination.

(There had been an equipment fire in the mill the previous week so the leaking water pipe likely originated during that event. It was a valve that had not been fully closed and was leaking near a loud machine and not readily visible and leaking directly through the floor and onto the ground under the building.)

On 9/25/15 I returned to the site with Dale Davis, Ecology Natural Resource Damage Assessment Coordinator. I collected another oil sheen sample and a sample of the suspected historic oil contaminated pile of soil under the building. Dale collected a shoreline sample near the corner of the building where the ground water enters the East Fork of the Hoquiam River. See photos in file.

On 9/29/15 I returned to the site at very low tide and collected another shoreline sediment sample. See photos in file.

On 10/6/15 I (along with Shawn Zaniewski) returned to the site at about mid tide to confirm that no additional oil was discharging to the river (there was none). See photos in file.

On 10/9/15 I discussed the situation with Kirsten Alvarez, Ecology Toxic Cleanup Program, and she indicated that the site should be referred to TCP.

Ecology's Spill Program enforcement was pending at the time of the site referral to TCP.

Following is a summary of the sample results:

Oil Sheen Samples (HCID only)

9/23/15 - Lube Oil

9/25/15 - Lube Oil

Shoreline Samples (NWTPH-DX)

9/25/15 - 190 ppm Lube Oil

9/29/15 - 300 ppm Lube Oil

"Source" (pile of contaminated soil) Sample (PCB's & NWTPH-DX)

9/25/15 - Non-Detect for PCBs

240,000 ppm Lube Oil

