



INITIAL INVESTIGATION FIELD REPORT

☐ Check this box if you have attached any documents to this form (using the paperclip icon on the left).

ERTS #(s):
Parcel #(s):
County:
FSID #:
CSID #:
UST #:

N/A
32020-32-00070
Mason

SITE INFORMATION

<u>Site Name (Name over door):</u> Sierra Pacific Industries, Shelton	<u>Site Address (including City, State and Zip):</u> 498 Mill Street Shelton, WA 98584	<u>Phone</u> <u>Email</u>
<u>Site Contact, Title, Business:</u> Collin Emmerson, Safety and Environmental Coordinator - Shelton	<u>Site Contact Address (including City, State and Zip):</u> Sierra Pacific Industries, PO Box 700, 421 S Front St Shelton, WA 98584-1483	<u>Phone</u> (360) 427-8204 <u>Email</u> cemmerson@spi-ind.com
<u>Site Owner, Title, Business:</u> Manke Timber Company Inc C/O Joel Manke	<u>Site Owner Address (including City, State and Zip):</u> 826 Fairmount Ave Shelton, WA 98584-3229	<u>Phone</u> <u>Email</u>
<u>Site Owner Contact, Title, Business:</u>	<u>Site Owner Contact Address (including City, State and Zip):</u>	<u>Phone</u> <u>Email</u>
<u>Previous Site Owner(s):</u>	<u>Additional Info (for any Site Information Item):</u>	
<u>Alternate Site Name(s):</u>		

Latitude (Decimal Degrees): 47.207476

Longitude (Decimal Degrees): -123.095849

INSPECTION INFORMATION

☐ Please check this box if there is relevant inspection information, such as data or photos, in an existing site report for this site.

<u>Inspection Conducted?</u> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<u>Date/Time:</u> 9/19/2016 3:30 PM	<u>Entry Notice:</u> Announced <input checked="" type="checkbox"/> Unannounced <input type="checkbox"/>
<u>Photographs taken?</u> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Note: Attach photographs or upload to PIMS	
<u>Samples collected?</u> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Note: Attach record with media, location, depth, etc.	

RECOMMENDATION

<u>No Further Action (Check appropriate box below):</u>	<u>LIST on Confirmed and Suspected Contaminated Sites List:</u> <input checked="" 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 (contamination removed) <input type="checkbox"/>	

COMPLAINT (Brief Summary of ERTS Complaint):

While constructing a new sawmill, contamination was discovered.

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

Remaining contamination at the site. Sierra Pacific stated their intent to enter the Voluntary Cleanup Program in order to address the contamination.

Investigator: Kirsten Alvarez

Date Submitted: 3/23/2017

OBSERVATIONS ☒ Please check this box if you included information on the Supplemental Page at end of report.

Description (If site visit made, 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.):

While constructing a new sawmill, an area with petroleum contamination was discovered on 2/23/2016. Given the historic site information, the petroleum is likely No. 6 fuel oil. The contamination was discovered during exploratory work undertaken in order to prepare for a stormwater pond. A total of 74 tons of soil were removed when the contamination was discovered. Once the contamination was discovered, Sierra Pacific Industries (SPI) notified their water quality inspector from the Department of Ecology and disposed of the 74 tons of soil. A soil sample was collected from the stockpiled soil for NWTPH-HCID, NWTPH-DX, VOC, SVOC, and RCRA 8 metals analysis. The only results that exceeded their respective MTCA Method A Cleanup Level were diesel and heavy oil (results of 2,240 mg/kg and 4,590 mg/kg, respectively). The contamination was estimated to be confined to an area of approximately 400 square feet, with an unknown vertical depth.

On 9/16/2016 Nick Acklam of the Department of Ecology, Collin Emmerson of SPI, and I met on site to conduct a field visit. The contaminated area was identified by an orange fence and appeared to have rock piled on top.

A meeting was held between myself, Joyce Mercury of the Department of Ecology's Toxic Cleanup Program and Honor Carpenter and Carol Serdar of the Department of Ecology's Water Quality Program on 3/14/2017 to discuss the site. During the meeting, concerns were expressed for more wide-scale contamination existing at the site. The following concerns were mentioned:

- The surface of the southern half of the SPI property, the southern parcel, was "scraped" and the material was collected to create a berm on the northeast portion of the northern SPI parcel, not currently listed. This berm had been observed to produce a sheen during rain events.
- Oil sheen was observed in a vault approximately at the center of the SPI facility. The entire vault was pumped for infiltration on the site.
- Historically above ground or underground storage tanks existed on the northern parcel near the roundhouse and used for fuel storage. These tanks are no longer present and their former location appears to be covered under environmental covenant #320194100700.
- The location of the reported release is close in proximity to the proposed storm water infiltration system. Potential for migration and undefined extent of contamination into the new storm water system was expressed by the Department of Ecology's Water Quality Program.

Please see supplement page for additional notes

Documents reviewed:

Discovery of Contaminated Soil - Reporting to Ecology, Sierra Pacific Industries, 5/19/2016

CONTAMINANT GROUP	CONTAMINANT	SOIL	GROUNDWATER	SURFACE WATER	AIR	SEDIMENT	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 any halogens. To determine if a product has halogens, search HSDB (http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB) and look at the Chemical/Physical Properties, and Molecular Formula. If there is not a Cl, I, Br, F in the formula, it's not halogenated. (Examples: acetone, benzene, toluene, xylenes, methyl ethyl ketone, ethyl acetate, methanol, ethanol, isopropanol, formic acid, acetic acid, stoddard solvent, Naptha). Use this when TEX contaminants are present independently of gasoline.
	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						TEX
	Petroleum Diesel	C	S	S			Petroleum Diesel
	Petroleum Gasoline						Petroleum Gasoline
	Petroleum Other						Oil-range organics
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 (http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB) 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						PCE, chloroform, EDB, EDC, MTBE
	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). Do not use for 'dibenzofuran', which is a non-chlorinated compound that is detected using the semivolatile organics analysis 8270
Metals	Metals - Other						Cr, Se, Ag, Ba, Cd
	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)

CONTAMINANT GROUP	CONTAMINANT	SOIL	GROUNDWATER	SURFACE WATER	AIR	SEDIMENT	DESCRIPTION
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)
	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)

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

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 registered as pesticides or fumigants. Most are dangerous wastes, either listed or categorical. Organic compounds with more carbons are almost always halogenated pesticides or a contaminant or derivative. Referral to the HSDB is recommended if you are unfamiliar with a chemical name or compound, as it contains useful information about synonyms, uses, trade names, waste codes, and other regulatory information about most toxic or potentially toxic chemicals.

Dibenzodioxins and dibenzofurans are normalized to a combined equivalent toxicity based on 2,3,7,8-tetrachloro-p-dibenzodioxin as set out in WAC 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 reported as individual compounds and isomers (usually lab results), or as a toxic equivalency value (reports).

FOR ECOLOGY II REVIEWER 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 **Model Remedy Used?** ☐
☐ Cleanup Started ☐ Cleanup Complete – Active O&M/Monitoring **If yes, was this a** ☐
☐ No Further Action Required **transformer spill?**

Site Manager (Default: Southwest Region): Southwest Region

Specific confirmed contaminants include:

Facility/Site ID No. (if known): _____

Diesel in Soil

Cleanup Site ID No. (if known): _____

_____ 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.

Additional or Supplemental Information from Observations Page

In a meeting with SPI, Nick Acklam, Joyce Mercury, and me on 3/15/2017, SPI stated their intent was to remediate the site through the Voluntary Cleanup Program.

Given the confirmed remaining contamination at the site, the suspected large-scale contamination at the site, and SPI's stated intent to enroll in the Voluntary Cleanup Program in order to proceed with remediation of the site, I recommend the site be listed on the Confirmed and Suspected Contaminated Sites List.