Land Quality

Environmental Cleanup

Environmental Cleanup Site Information (ECSI) Database
Site Summary Report - Details for Site ID 2355, Schnitzer Steel Industries

This report shows data entered as of December 21, 2015 at 3:17:43 PM

This report contains site details, organized into the following sections: 1) Site Photos (appears only if the site has photos); 2) General Site Information; 3) Site Characteristics; 4) Substance Contamination Information; 5) Investigative, Remedial and Administrative Actions; and 6) Site Environmental Controls (i.e., institutional or engineering controls; appears only if DEQ has applied one or more such controls to the site). A key to certain acronyms and terms used in the report appears at the bottom of the page.

Note: DEQ may have posted online documents related to this site. If so, they would be available for viewing or downloading on ECSI Summary Page

Go to DEQ's Facility Profiler to see a site map as well is information on what other DEQ programs may be active at this site.

General Site Information

Site ID: 2355	Site Name: Schnitzer Steel Industries	CERCLIS No:	
Address:	12005 N Burgard Rd. Portland 97203		
	County: Multnomah	Region: Northwest	
Other location information:			
Investigation Status:	Suspect site requiring further investigation		
	Brownfield Site: No NPL Site: No	Orphan Site: No	Study Area: No
Property:	Twnshp/Range/Sect: 2N , 1W , 35	Tax Lots: 71	
	Latitude: 45.609 deg. Longitude: -122.7784 deg.	Site Size: approx. 200 acres	
Other Site Names:	International Terminals North Burgard Industrial Park Portland Harbor Sediment Study Boydstun Metal Works Crown Cork and Seal Portland Blast Media Portland Container Repair Corp. Western Machine Works		

Site Characteristics

General Site Description:	
Site History:	
Contamination	It appears that site activities have resulted in sediment contamination adjacent to

Information:	the Schnitzer Investment Corp site. Concentrations of antimony, carbazole and PAHs were encountered in adjacent shallow sediment. Mercury, zinc, dibenzofuran, total PAHs and 2-methylnaphthalene were encountered in subsurface sediment samples. Activities at Premier Edible Oils (ECSI #2013) may have contributed to the elevated concentrations of petroleum constituents 2-methylnaphthalene, carbazole, dibenzofuran and PAHs. Multnomah Land and Equipment Company and Jefferson Smurfit Corp may also have contributed to sediment contamination. (See Strategy Recommendation dated 11/24/99.) Groundwater beneath the Premier Edible Oils portion of the site contains low levels of chlorinated solvents and petroleum constituents. A 1998 subsurface investigation at the Boydstun Metal Works portion of the site (ECSI #2362) revealed low levels of chlorinated solvents in groundwater, and soil contamination from metals, petroleum, and PCBs.
Manner and Time of Release:	
Hazardous Substances/Waste Types:	Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, nickel, zinc, 2-methylnaphthalene, organotins, PAHs, bis(2-ethylhexyl)phthalate, butylbenzylphthalate, carbazole, and dibenzofuran are present in sediments adjacent to the site, based on a 1997 sediment study conducted by EPA in the Portland Harbor section of the Willamette River. Contaminants that have been documented on-site include petroleum hydrocarbons and related constituents; chlorinated solvents; metals; and PCBs.
Pathways:	
Environmental/Health Threats:	
Status of Investigative or Remedial Action:	Based on sampling results from a river sediment quality study, the Schnitzer Investment Corp. property has been identified as a potential source of contamination to the Portland Harbor. DEQ completed a Strategy Recommendation in November 1999. Contamination of river sediments adjacent to the SIC site may represent a threat to human health and aquatic life within the river. A Remedial Investigation (RI) is required to evaluate potential threats to human health and the environment at the Schnitzer site (high priority). (3/2/00 JMW/SAP) Letter Agreement for Remedial Investigation and Source Control Measures forwarded to Schnitzer 3/2/00. Signed agreement due 3/31/00. (12/28/00 ACV/VCP) Formal Agreement for RI signed in March 2000. Pre-RI submitted in October, November, and December 2000. DEQ comments due January 2001. (11/1/01 ACV/VCP) Pre-RI results indicated need for RI. Work plan approved in October 2001. Field investigation due to begin in November 2001 and include soil, groundwater, and surface water RI. Draft results anticipated in March 2002. (ACV 4/03) Phase I of the soil and groundwater investigation documented only limited contamination attibutable to site operations. Groundwater monitoring will continue through 2003. Stormwater evaluation has included repair of Outfall 1 in 2002 and an evaluation of approximately 20 other outfalls planned for 2003. Stormwater evaluation will focus on enhanced best management practices. Draft Source Control documents are in the progress.
Data Sources:	

Substance Contamination Information

Substance	Media Contaminated	Concentration Level	Date Recorded
ALUMINUM	Sediment	Upstream - 43300 ppm	9/1/1997
ANTIMONY	Sediment	9 - 11 ppm	9/1/1997
ARSENIC	Sediment	7 ppm	9/1/1997
BARIUM	Sediment	175 - 322 ppm	9/1/1997
BIS(2-ETHYLHEXYL)PHTHALATE	Sediment	420 ppb	9/1/1997
BUTYL BENZYL PHTHALATE	Sediment	24 - 31 ppb	9/1/1997
CADMIUM	Sediment	0.6 - 0.8 ppm	9/1/1997
CARBAZOLE	Sediment	220 ppb	9/1/1997
CHROMIUM	Sediment	50.7 ppm	9/1/1997

COBALT	Sediment	20.4 ppm	9/1/1997
COPPER	Sediment	61.5 - 64.8 ppm	9/1/1997
DIBENZOFURAN	Sediment	150 - 240 ppb	9/1/1997
IRON	Sediment	4800 ppm	9/1/1997
LEAD	Sediment	34 - 41 ppm	9/1/1997
MERCURY	Sediment	0.27 - 0.34 ppm	9/1/1997
METHYLNAPHTHALENE,2-	Sediment	360 ppb	9/1/1997
NICKEL	Sediment	34 ppm	9/1/1997
POLYAROMATIC HYDROCARBONS (PAH)	Sediment	LPAHs 1206 - 5504 ppb	9/1/1997
POLYAROMATIC HYDROCARBONS (PAH)	Sediment	HPAHs 7770 - 10660 ppb	9/1/1997
SILVER	Sediment	1.5 ppm	9/1/1997
ZINC	Sediment	132 - 255 ppm	9/1/1997

Investigative, Remedial and Administrative Actions

Action	Start Date	Compl. Date	Resp. Staff	Lead Pgm
Source Control Decision (Primary Action)	04/15/2008		James Orr	VCP

Key to Certain Acronyms and Terms in this Report:

CERCLIS No.: The U.S. EPA's Hazardous Waste Site identification number, shown only if EPA has been involved at the site.
Region: DEQ divides the state into three regions, Eastern, Northwest, and Western; the regional office shown is responsible for site investigation/cleanup.
NPL Site: Is this site on EPA's National Priority List (i.e., a federal Superfund site)? (Y/N).
Orphan Site: Has DEQ's Orphan Program been active at this site? (Y/N). The Orphan Program uses state funds to clean up high-priority sites where owners and operators responsible for the contamination are absent, or are unable or unwilling to use their own resources for cleanup.
Study Area: Is this site a Study Area? (Y/N). Study Areas are groupings of individual ECSI sites that may be contributing to a larger, area-wide problem. ECSI assigns unique Site ID numbers to both individual sites and to Study Areas.
Pathways: A description of human or environmental resources that site contamination could affect.
Lead Pgm: This column refers to the Cleanup Program affiliation of the DEQ employee responsible for the action shown. SAS or SAP = Site Assessment; VCS or VCP = Voluntary Cleanup; ICP = Independent Cleanup; SRS or SRP = Site Response (enforcement cleanup); ORP = Orphan Program.

You may be able to obtain more information about this site by contacting James Orr at the Northwest regional office or via email at orr.jim@deq.state.or.us. If this does not work, you may contact Gil Wistar at (503) 229-5512, or via email at wistar.gil@deq.state.or.us or contact the Northwest regional office.

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For more information about **ECSI** call Gil Wistar at 503-229-5512 or email.

For more information about **DEQ's Land Quality programs**, visit the DEQ contact page.

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