Land Quality

Environmental Cleanup

Environmental Cleanup Site Information (ECSI) Database
Site Summary Report - Details for Site ID 1405, Carson Oil - NW 35th Ave.

This report shows data entered as of December 21, 2015 at 3:32:19 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.

Site Photos

Click to View Photo	Picture Date	Caption	Size
View Photo	06/07/2007	North basin sample jars.	67 Kb
View Photo	06/07/2007	North basin sampling.	90 Kb
View Photo	06/07/2007	North basin site - 1.	95 Kb
View Photo	06/07/2007	Sampling north basin - 1.	91 Kb
View Photo	06/07/2007	Sampling north basin - 2.	89 Kb
View Photo	06/07/2007	Sampling south basin - 1.	86 Kb
View Photo	06/07/2007	South basin jars - 1.	70 Kb
View Photo	06/07/2007	South basin jars - 2.	69 Kb
View Photo	06/07/2007	South basin samples - 1.	79 Kb
View Photo	06/07/2007	South catch basin - 1.	85 Kb
View Photo	06/07/2007	South catch basin - 2.	62 Kb
View Photo	06/07/2007	South catch basin water removal.	72 Kb

General Site Information

Site ID: 1405	Site Name: Carson Oil - NW 35th Ave.	CERCLIS No:
Address:	3125 NW 35th Ave. Portland 97210	
	County: Multnomah	Region: Northwest
Other location information:	Immediately north of Columbia American Plating.	
Investigation Status:	Suspect site requiring further investigation	
	Brownfield Site: No NPL Site: No	Orphan Site: Study Area:

			No	No
Property:	Twnshp/Range/Sect: 1N , 1E , 29		Tax Lots:	
	Latitude: 45.5451 deg.	Longitude: -122.7194 deg.	Site Size: 3.5 acres	
Other Site Names:	Arrow Transportation			

Site Characteristics

General Site Description:	
Site History:	
Contamination Information:	Four soil samples and groundwater grab samples were collected from the perimeter of the property. Three of the 4 samples contained oil/diesel up to 220 ppm. All groundwater samples contained chlorinated solvents, with the highest levels (up to 240 ppb) found on the side of the property adjacent to Columbia American Plating (CAP - ECSI #29). Even after a PA and SI at CAP (1993 and 1994), the source of VOCs on the Carson site remained unclear.
Manner and Time of Release:	A small piping leak was discovered in lubricating oil UST system 6/91; leak repaired, no release reported, and DEQ LUST NFA letter sent to RP 6/92. A 1/87 photo and brief memo refers to petroleum-stained soils in a pit from which USTs apparently were removed. There was no DEQ followup, and no further information is available. Manner and time of VOC release to GW not known, although source could be off-site.
Hazardous Substances/Waste Types:	Gasoline, diesel oils and grease, and petroleum-based solvents are used at the facility. Waste generated probably include those associated with vehicle maintenance, such as waste oil, Stoddard solvents and spent coolants. Chlorinated VOCs have been detected in groundwater beneath the site.
Pathways:	Primary pathway of concern is groundwater, which may be used for industrial water supply in this part of Northwest Portland. Storm sewers route surface water runoff from this area directly to the Willamette River. Stormwater (10/2008, K. Tarnow) DEQ conducted site visit and collected/analyzed sediment samples from 2 catch basins as part of a Portland Harbor Site Discovery pilot project. The objective was to determine whether a Portland Harbor Stormwater Pathway Evaluation would be necessary. Several chemicals exceeded JSCS SLVs, most notably phthalates and PCBs. Based upon this, DEQ asked Carson to enter into an agreement with VCP to conduct a stormwater evaluation. Due to certain anomalies in the data, DEQ also proposed the option of resampling to help ascertain whether exceptionally high concentration of phthalates was representative. Carson Oil responded on 8/4/08 to say they were going to implement BMPs and then resample during fall 2008.
Environmental/Health Threats:	No significant threat from oil/diesel contamination; TCE concentration of 240 ppb greatly exceeds the groundwater reference concentration of 5 ppb.
Status of Investigative or Remedial Action:	(GMW 3/1/96) DEQ is unaware of Carson having taken any steps to investigate the subsurface soil and groundwater contamination documented in the 1992 Phase II evaluation of the property. The source of VOCs in groundwater is not clear, but the petroleum contamination appears to have originated from spills and past practices at the Carson facility. Site Assessment recommends that Carson conduct further investigations into the nature and extent of on-site contamination, which may also shed light on the source of VOCs. DEQ considers this site a low priority for further agency action. Stormwater VCP Agreement (12/2012, Liverman). Carson Oil signed an agreement 04/2012 to undertake stormwater source control investigation. A stormwater Assessment Work Plan was prepared 06/2012 and revised per DEQ comments 10/2012 and 12/2012. DEQ anticpates stormwater sampling will be completed by the 2nd quarter of 2013. (March 2014 Liverman) Stormwater sampling and evaluation is on-going toward a source control evaluation report in support of a source control decision.

Data Sources: Soil/groundwater sample analysis and site photos; Cascade Earth Sciences Phase 2 Investigation Report, 4/10/92; DEQ UST Section letter to RP 6/18/92; DEQ letter to Arrow Transportation dated 1/29/87. See also LUST files #26-97-0451 and 26-91-0235 (Carson Oil Company).

Stormwater: Lab report from DEQ's stormwater catch basin sediment sampling activity is attached. Data is also summarized in attached memo.

Substance Contamination Information

Substance	Media Contaminated	Concentration Level	Date Recorded
OIL OR FUEL RELATED COMPOUNDS	Soil	220 ppm-Hydrocarbon contamination below Level 2 Matrix Cleanup levels	4/1/1992
TETRACHLOROETHYLENE	Groundwater	6 ppb	4/1/1992
TETRACHLOROETHYLENE	Soil	unknown	4/1/1992
TRICHLOROETHANE,1,1,1-	Groundwater	11 ppb	4/1/1992
TRICHLOROETHANE,1,1,1-	Soil	unknown	4/1/1992
TRICHLOROETHYLENE	Groundwater	240 ppb	4/1/1992
TRICHLOROETHYLENE	Soil	unknown	4/1/1992

Investigative, Remedial and Administrative Actions

Action	Start Date	Compl. Date	Resp. Staff	Lead Pgm
SITE EVALUATION (Primary Action)	03/10/2014		L Liverman	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 L Liverman at the Northwest regional office or via email at liverman.alex@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.

[print version]

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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