Land Quality

Environmental Cleanup

Environmental Cleanup Site Information (ECSI) Database
Site Summary Report - Details for Site ID 155, Rhone-Poulenc - Doane Lake

This report shows data entered as of December 21, 2015 at 3:16:23 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: 155	Site Name: Rhone-Poulenc - Doane Lake	CERCLIS No: 990659492
Address:	6193 NW 61st Ave. Portland 97210	
	County: Multnomah	Region: Northwest
Other location information:		
Investigation Status:	Listed on CRL or Inventory	
	Brownfield Site: No NPL Site: No	Orphan Site: No Study Area: No
Property:	Twnshp/Range/Sect: 1N , 1W , 13	Tax Lots: 31, 43
	Latitude: 45.5665 deg. Longitude: -122.7467 deg.	Site Size: 16.4 acres
Other Site Names:	East Doane Lake Portland Harbor Sediment Study Rhone Poulenc Agricultural Co. (RPAC) Chipman Chemical Co. Rhone-Poulenc AG Co. Starlink Logistics Inc. (SLLI) Aventis Cropscience	

Site Characteristics

General Site Description:	
Site History:	
Contamination Information:	(10/15/1999 ELB/SRS) Chemicals formulated or manufactured at the Rhone-Poulenc (R-P) facility were released to the environment through a variety of means, including

	spills, leaks, and direct discharges. Prior to 1966, wastewater was discharged directly to Doane Lake. From 1966 until 1975, the wastewater was discharged to the Willamette River. After 1975, wastewater was discharged to the Portland sewer system. R-P began investigating contamination at the site in the early 1980s under DEQ oversight. In October 1983, R-P began pumping and treating contaminated groundwater at the site. In December 1989, R-P entered into a Consent Order with DEQ to conduct a Remedial Investigation and Feasibility Study (RI/FS) at the site. R-P's progress on the investigation, however, was extremely slow. A workplan for conducting the RI/FS wasn't approved until May 1994, and to-date neither the RI/FS nor an associated Risk Assessment has been completed. (11/21/01 ELB/SRP) As a result of these delays, the 1989 order was terminated in February 1998. A new order was signed in July 1999.
Manner and Time of Release:	Discharges of untreated wastes on-site and treated process wastewater off-site to West Doane Lake. Time of release: 1950-1980.
Hazardous Substances/Waste Types:	2,4-D, 2,4,5-T, dioxins and furans, isomers of dichlorobenzene, phenolic compounds, creosols, trichloroethene, BTEX, lead, and arsenic.
Pathways:	The site is located in the Doane Lake Study Area (ECSI #36) and the Portland Harbor area (ECSI #2068). The Gould/NL Superfund site (ECSI #49) is adjacent. Surrounding land use is industrial. Groundwater on- and off-site is contaminated, as is surface water in Doane Lake. Runoff, surface water, and groundwater discharge to the Willamette River. The Rhone-Poulenc facility was largely demolished in 1992, except for the administrative and storage buildings, foundation slabs, and the wastewater treatment system.
Environmental/Health Threats:	Wastewater from the site was historically discharged to West Doane Lake and to the Willamette River. Surface soil, subsurface soil, and groundwater are all contaminated at the site.
Status of Investigative or Remedial Action:	(10/15/1999 ELB/SRS) In December 1997, DEQ determined that removal of contaminated sediments from East Doane Lake was warranted, and directed R-P to prepare a removal workplan. R-P argued that a removal was unnecessary. DEQ decided that R-P's refusal to conduct the removal, coupled with lack of progress on the RI/FS, demonstrated that R-P was "unwilling" to investigate and clean up the site. DEQ terminated the Consent Order in February 1998 and declared the site an Orphan project in March 1998. DEQ completed the East Doane Lake sediment removal in November 1998, using funds from the Orphan Site Account. R-P will be expected to reimburse DEQ for the removal costs. DEQ developed a RI workplan in 1999 for completion of the Remedial Investigation (RI). This workplan was attached to a new consent order for the site. Numerous subsequent work plans have been developed and implemented as part of the RI including: Final Groundwater Transport Evaluation Data Needs Report Field Sampling Plan (2/8/02), Remaining Remedial Investigation Work Plan (5/24/02), Draft North Doane Lake Field Sampling Plan (5/7/03), Final NAPL Evaluation Work Plan (5/7/03), Final Post-Characterization Groundwater Monitoring Plan (2/17/04), North Doane Lake Fish Reconnaissance Survey (7/19/04), Outfall 22B Camera Survey Results and Field Sampling Plan (8/16/04), Draft Lake Area Geophysical Survey Report and Intrusive Investigation Work Plan (12/6/04), Draft North Doane Lake Fish Tissue Sampling Work Plan (4/18/04), Final Lake Area Geophysical Survey Report and Intrusive Investigation Work Plan (5/3/05), West Doane Lake Treatability Study Work Plan (6/27/05), Final Stage 1 Source Control Evaluation Work Plan (10/31/05), Final Outfall 22B Interim Remedial Action Measure Work Plan (11/11/05), Draft Lake Area Bioremediation Pilot Study and Colloid Evaluation Work Plan (1/7/06), Winter 2006 Groundwater Monitoring Event Work Plan (6/28/06), Draft Expanded Lake Area Geophysical Survey Work Plan (3/27/06), Draft Lake Area Hydrologic Investigation Work Plan (5/126/06), Draft Summer 2006 Groundwater Monitoring Event Work Plan (6/28/06), Draft Stage 2 Source Control evaluation Work Plan (7/24/06), Draft Spring 2007 Groundwater Monitoring Event Work Plan (4/4/07), Draft Expanded Lake Area Intrusive Investigation Work Plan (8/2/07), Request for Approval, Deep Gravel Hydrogeologic Zone Pumping Test, North Front Avenue Interim Source Control Measure (4/1/08), West Doane Lake Phase 5 Treatability Study Work Plan

(7/31/08), Work Plan Storm Sewer Camera Survey Associated with City of Portland Outfall 22B (10/1/08), Draft Outfall 22B Pre-Remedy Investigation Work Plan (4/3/09), Draft Outfall 22B Expanded Interim Remedial Action Measure Work Plan (5/1/09), Final West Doane Lake Interim Remedial Action Measure Work Plan (4/29/10).
Rhone Poulenc has implemented several interim remedial action measures (IRAM): Groundwater Extraction Treatment System (GETS) IRAM (mid 1980s) (shallow herbicide area groundwater extraction system), 1996 Insecticide Area IRAM (caped dust plant area soils), 2004 Facility Structures Assessment and IRAM (decommissioning of shallow infrastructure and capping of herbicide area soil), 2010 City Outfall 22B Expanded IRAM (lining of adjacent site and City storm sewer system), 2010 West Doane Lake IRAM (in-situ stabilization and solidification of West Doane Lake sediments).
Rhone Poulenc has submitted the following milestone documents: Revised North Doane Lake Level II Aquatic Ecological Risk Assessment (8/3/04), Final North Doane Lake Human Health Risk Assessment (6/8/10), Draft RI/SCE Report (11/19/2010), Draft-Revised Ecological Risk Assessment for North Doane Lake (3/21/11). Final versions of these documents along with the On-Site Baseline Human Health Risk Assessment, Off-Site Baseline Human Health Risk Assessment are expected in late 2011/2012.

Data Sources: 1) October 1983 Dames & Moore "Geohydrologic & Waste Management Investigation" 2) March 1991 Final RI/FS Work Plan. 3) Doane Lake Study Area files (ECSI #36). 4) SRS Project Manager files.

Substance Contamination Information

Substance	Media Contaminated	Concentration Level	Date Recorded
BENZENE	Soil	Up to 2.6 ppm	5/1/1991
D,2,4-	Groundwater	364 ppm	1/1/1991
D,2,4-	Soil	5670 ppm	1/1/1991
DB,2,4-	Groundwater	532 ppm	1/1/1991
DB,2,4-	Soil	394 ppm	1/1/1991
DICHLOROBENZENE,1,2-	Groundwater	38.6 ppm	1/1/1991
DICHLOROBENZENE,1,2-	Soil	14 ppm	1/1/1991
DICHLOROPHENOL,2,4-	Groundwater	358 ppm	1/1/1991
DICHLOROPHENOL,2,4-	Soil	2700 ppm	
DICHLOROPHENOL,2,6-	Groundwater	57.6 ppm	1/1/1991
DICHLOROPHENOL,2,6-	Soil	370 ppm	
DICHLOROPROP	Groundwater	25 ppm	1/1/1991
DICHLOROPROP	Soil	4.9 ppm	1/1/1991
ETHYLBENZENE	Groundwater	84 ppm	1/1/1991
ETHYLBENZENE	Soil	470 ppm	1/1/1991
MCPA	Groundwater	111 ppm	1/1/1991
MCPA	Soil	270 ppm	1/1/1991
METHYLENE CHLORIDE	Groundwater	779 ppm	1/1/1991
METHYLENE CHLORIDE	Soil	6.6 ppm	1/1/1991
PHENOLS	Groundwater	46 ppm	1/1/1991
PHENOLS	Soil	68 ppm	1/1/1991
T,2,4,5-	Groundwater	23.2 ppm	1/1/1991
T,2,4,5-	Soil	49.8 ppm	1/1/1991
TETRACHLORODIBENZO-p-DIOXIN,2,3,7,8-	Groundwater	2.6 x 10 -3 ppm	1/1/1991
TETRACHLORODIBENZO-p-DIOXIN,2,3,7,8-	Soil	8.8 x 10 -5	1/1/1991
TOLUENE	Groundwater	4.9 ppm	
TOLUENE	Soil	23 ppm	1/1/1991
TRICHLOROETHYLENE	Groundwater	4.7 ppm	1/1/1991
TRICHLOROETHYLENE	Soil	240 ppm	1/1/1991

TRICHLOROPHENOL,2,4,6-	Groundwater	19.6 ppm	1/1/1991
TRICHLOROPHENOL,2,4,6-	Soil	1000 ppm	
XYLENEs	Groundwater	290 ppm	1/1/1991
XYLENEs	Soil	2300 ppm	1/1/1991

Investigative, Remedial and Administrative Actions

Action	Start Date	Compl. Date	Resp. Staff	Lead Pgm
REMEDIAL INVESTIGATION (Primary Action)	07/09/1999		David Lacey	SRS

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 David Lacey at the Northwest regional office or via email at lacey.david@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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