

PROPERTY REVIEW**BOEING SOUTH PARK****1.0 Background Information**

Facility Name: Boeing South Park
Facility Address of Record: 1420 South Trenton Street
Seattle, WA
Property Owner: The Boeing Company Commercial Airplane Group
Current Use:

This is a 27 acre light industrial facility owned and operated by The Boeing Company. The site is entirely impervious, either covered with buildings or pavement. The facility has housed various training, information technology, and research functions since it was constructed in the early 1950's.

Property Information:

King County records list the 1420 South Trenton address as 27.52 acres zoned for commercial use and presently used as light industrial. Eight individual buildings are listed on the county records.

Past Use:

A review of historical aerial photographs (Windward 2003) shows that grading for the Boeing South Park facility was evident in the 1956 photograph. By the 1960 photograph, a paved parking lot and the edge of a large building were present.

The files available this property review include Boeing's Pollution Prevention Plan and several annual reports to Ecology, a report of a small release in 1998, and an NPDES permit file beginning with the initial permit grant in 1987.

In the 1987 NPDES permit renewal Statement of Basis (included in file with Ecology 1993), the facility was described as follows:

"This location is currently used by Boeing for training of Commercial Aircraft customer flight crews and maintenance personnel. Training is conducted in classrooms, in flight simulators and in aircraft component mockups. Various research projects are conducted in the Radiation Effects Laboratory and in the Free Electron Laser Facility.

"Contaminated waters discharge to METRO Sanitary Sewer. The likelihood of any contaminated water entering the storm sewer system is very remote.

“The discharges to state waters include parking lot runoff and non-contact cooling water [from air conditioners]. The volume and temperature of the cooling water are relatively minor, and therefore the theoretical and actual effect in the river is unmeasurable.”

The Pollution Prevention Plan Five Year Update submitted by Boeing to Ecology in 1998 provides some additional information on activities conducted at the South Park facility. The facility description says “ The Boeing Company – South Park facility supports airplane production by providing employee and customer training. The facility also houses a small research laboratory and a metrology laboratory.”

Two different processes were described:

- Facilities, Automotive and Equipment Maintenance: The process of maintaining equipment and facilities. This process includes wastes generated from the use of equipment filters, oils antifreeze, crankcase oils, lubrication oils and oil pads. It also includes wastes generated during building maintenance such as cleansing materials, paints, and building debris.
- Laboratory Operation. The process of laboratory operations for research and manufacturing support. This process includes materials research and qualification, quality testing and materials characterization. Example operations include coating and lubricant development, material acceptability testing, manufacturing process development, mechanical testing, chemical analysis, product quality testing, waste analysis, product evaluation, quality control/testing, and equipment evaluation.

Surrounding land uses are as follows:

- The Duwamish River fronts the eastern edge of the property.
- The Sea King Industrial Park is on the southern boundary of Boeing South Park.
- Apartments and industrial warehouses occupy the western property boundary.
- To the north, the property is bounded by Basin Oil Company, Port of Seattle Terminal 117 and additional industrial properties.

2.0 Site Map

A Site Map is attached to this Property Review.

3.0 Chemical/Waste Handling at the Site

Chemicals Used/Stored at the Site

The 1998 Pollution Prevention Plan Five Year Update contains a list of hazardous chemicals and quantities used in 1997.

Substance	Quantity (lbs)
Acetone	91.14
Alpine Easy Kleen	21.86
PC Board Etching Solution	11.92
Isopropyl Alcohol	10.69
Formula 409 All Purpose Cleaner	10.15
Bounty Hunter	6.24
Methyl Alcohol	3.28
Ceramabond 569	2.5
Viscosity Standard N.4	1.82
Viscosity Standard N.8	1.82
Scotch-Seal EC-1252 Pink Tamper Proof Sealant	1.56
ZEP 45	1.51
91-025 Tartan Glass White Lacquer	1.5
Viscosity Standard N 1.0	1.42
91-108 Tartan Dark Blue	1.36
Hi-Tack 76 Spray Adhesive	1.08
Unocal UNAX AW 32	0.91
Krylon 1311 Matte Finish, 1313 Satin Finish	0.72
416 Superbonder 416 GAP Filling Instant Adhesive	.014
Ross Ultra Super Glue	0.01

Waste Products Generated or Stored at the Site

According to the 1998 Pollution Prevention Plan Five Year Update, the following wastes were generated at the site in 1997.

Description	Quantity (lbs)
Latex Paint, Water: Ethylene Glycol	1,975
Lab Pack – Paint Related Material	1,950
Rags contaminated with solvents; acetone, MEK, tetrachloroethylene, trichloroethylene; inks, paints, sealants; barium, cadmium, chromium, lead, selenium, silver	340
Lab Pack – Combustible liquid, N.O.S.	300
Spent parts washer solvent: petroleum naphtha	281.9
Solvents: acetone, MEK, toluene, xylene; paints and inks; barium, benzene, cadmium, chromium, lead, selenium, 1,1,1-trichloroethane	160
Absorbent items and debris contaminated with oils, coolants, fuels and hydraulic fluids; petroleum distillates, methanol	96
Lab Pack – Aerosols	75
Lab Pack – Battery, wet, filled with acid	50
Lab Pack – Hazardous waste, solid NOS	12

Lab Pack – Mercury	11.3
Lab Pack – Flammable liquid, NOS	8.3
Lab Pack – Potassium hydroxide, solution	8.3
Lab Pack/Overpack – Gallium metal	0.8
Lab Pack – Aerosols	0.4

Volumes of Chemicals Used and Wastes Generated Per Year, Maximum On-Site

See the previous table.

Chemical or Waste Treatment Systems

The documents reviewed do not list any on-site treatment processes.

Chemical/Waste Storage or Disposal Areas

The documents reviewed do not describe the on-site procedures for handling or disposing of hazardous or dangerous wastes.

Type, Quantity and Destination of Wastes Removed from the Site

The documents reviewed do not describe the on-site procedures for handling or disposing of hazardous or dangerous wastes.

Spills or Releases

The files examined for this property review describe one small release. In a February 10, 1998 letter from Boeing to Ecology, a release as defined in MTCA was reported. The elevator in Building 15-01 malfunctioned and hydraulic oil leaked into the elevator shaft and casing. Further investigation revealed that the casing bottom was not sealed. Free oil was recovered, a new elevator jack was installed with a PVC casing, and an oil recovery system was placed in the bottom of the boring. Of the 50 gallons estimated to have leaked, approximately 30 were recovered. Analytical testing showed that the oil did not contain PCBs.

Hazardous Substances Used, Stored, or Released by Prior Owners/Operators

No information on hazardous substances used, stored, or released by prior owners/operators was available.

4.0 Permit Information

File documents list only a NPDES permit for stormwater discharge to the Duwamish River, Permit Number WA-002987-4. The files include a renewal request letter from Boeing to Ecology indicating that the existing permit was to expire on May 12, 1987. The most recent correspondence was a letter from Ecology to Boeing acknowledging that Boeing no longer discharged non-contact cooling water to the Duwamish. This action effectively cancelled the NPDES permit. Stormwater discharges were covered under the General Permit S03001009.

5.0 Sampling/Cleanup Information

The files reviewed do not contain any information on site investigations which may have occurred on the Boeing South Park property.

The primary purpose of this property review was to determine the possibility of contaminants to be released from the Boeing South Park property and recontaminate areas on the Lower Duwamish Waterway that will be dredged as part of the Early Action program, in particular the Port of Seattle's Terminal 117 property. PCBs are of primary concern.

Since no sampling has been performed on the Boeing South Park property, there is no concrete evidence of PCBs being present on the property. Based on the limited background information reviewed, there is also nothing to suggest that PCBs have ever been present on the site.

6.0 References

- Boeing 1993. Termination of NPDES Permit No. WA-002987-4(I) for South Park. Letter from L.M. Babich, III to Pam Elardo, Department of Ecology. Boeing Commercial Airplane Group, Seattle, WA. November 8, 1993.
- Boeing 1998. MTCA release report. Building 15-01 Elevator, Boeing Commercial Airplane Group, 1420 South Trenton Street, Seattle, WA, WAD 980982672. Letter from L.M. Babich, III to Michael Gallagher, Department of Ecology. Boeing Commercial Airplane Group, Seattle, WA. February 10, 1998.
- Boeing 2003. Boeing South Park, 1420 South Trenton Street, Seattle, WA, Pollution Prevention Management Commitment, Statement and Submittals of the Plan and APR. Letter from Kristi Savacool, Boeing Shared Services Group, September 2, 2003. Boeing Shared Services Group, Seattle, WA.
- Ecology 1993. National Pollutant Discharge Elimination System (NPDES) Waste Discharge Permit No. WA-002987-4; Boeing-South Park. Letter from John Glynn to L.M. Babich, III, Boeing Commercial Airplane Group. Department of Ecology, Bellevue, WA. December 21, 1993.
- Windward 2003. Lower Duwamish Superfund Site, Terminal 117 Early Action Area. Task 1: Summary of Existing Information and Data Needs Analysis. Prepared for the Port of Seattle. Windward Environmental LLC; Dalton, Olmstead & Fuglevand, Inc.; and Onsite Enterprises, Inc. Seattle WA. September 26, 2003.