

Bremerton ❖
Kitsap County
Health District

Willa A. Fisher, MD, MPH, Director
109 Austin Drive
Bremerton, WA 98312

February 22, 2000

Ace Paving Company
Attn: Mark Randolph
PO Box 4520
Bremerton, WA 98312

RECEIVED

FEB 25 2000

DEPT. OF ECOLOGY

Dear Mr. Randolph:

The Bremerton-Kitsap County Health District has completed the site hazard assessment (SHA) of the Ace Paving Dickey Pit site, as required under the Model Toxics Control Act. Based on this assessment, the Health District will be recommending to the Washington State Department of Ecology (Ecology) that Pioneer Landfill be given a "No-Further-Action" status and be removed from the Ecology's Site Information Systems (SIS) List. Additional control measures may be required to prevent site contamination from on-going activities however.

For your information, Ecology will be publishing the ranking of this, and other recently assessed sites, in the February 29, 2000, Special Issue of the Site Register. The hazard ranking will be used in conjunction with other considerations in determining Ecology's priority for future action at this site.

Please call me at (360) 692-3611 if you have any questions about the SHA of your site. If you have any inquiries/comments about the site scoring/ranking process, please call Michael Spencer at (206) 407-7195. For inquiries regarding what may occur with your site now that it is on Ecology's Hazardous Sites List please call Norm Peck at (425) 649-7047.

Sincerely,



John Kiess
Solid and Hazardous Waste Program

cc: Norm Peck, Washington Department of Ecology

jfk/swvqbcd/means/98mike/sha/sites/acedickeypit/rankltr.doc

POULSBO ANNEX
Solid and Hazardous Waste Program / Water Quality Program
19540 Front Street
Mailing Address: P.O. Box 1076 - Poulsbo, WA 98370-0050
(360) 692-3611 FAX (360) 692-6684

**SITE HAZARD ASSESSMENT
RECOMMENDATION FOR NO FURTHER ACTION**

February 22, 2000

Site Name/Location (Street, City, County, Section /Township/Range, TCP ID Number):

Ace Paving Dickey Pit	Township: 25N
10000 Dickey Road	Range: 1E
Silverdale, WA 98383	Section: 18
	Longitude: 122° 43' 33"
	Latitude: 47° 38' 17"

Ecology ID No. : N-18-5008-000

Site Description (Include management areas, substances of concern, and quantities):

The Ace Paving Dickey Pit is located outside of Silverdale in rural Kitsap County. This site is currently in operation as a gravel mining operation and a asphalt batch plant for the Ace Paving Company of Bremerton. The mining operation is located on property owned by the Ace Paving Company and the asphalt batch plant is located on the adjacent land parcel leased by Ace Paving from Mr. Don Lindgren. The asphalt batch plant is located in an unpaved area.

This site was listed on the Washington State Department of Ecology's (Ecology) Confirmed and Suspected Contaminated Sites (CSCS) list on February 25, 1991, based on an Ecology initial investigation of the site performed on January 18, 1991. The initial investigation noted soil, surface water and suspected groundwater contamination from the asphalt batch plant operation. Paving trucks were being sprayed with diesel fuel prior to asphalt loading, this rinsate was uncontrolled and flowed onto the ground and into surface waters. On September 16, 1993, the site was inspected again by the Department of Ecology. The inspection noted the truck washout pit area had been remediated but no report was filed by Ace Paving for this operation.

In 1998, the Kitsap County Public Works in conjunction with Ace Paving remediated the stormwater detention pond which receives the stormwater flow from the Ace Paving asphalt batch plant area. Ace Paving has installed oil/water separators at the two (2) stormwater catch basins near the batch plant. These catch basins currently drain to the Kitsap County remediated stormwater detention pond. Kitsap County owns the adjacent land parcel and historically had operated a gravel mining operation at that site. The stormwater pond was remediated due to the levels of TPH and metals within the pond. This contamination was believed to have been partially caused by the asphalt batch plant truck washout operation. Following the remediation activity, the pond was monitored by Kitsap County in accordance with their discharge permit, no contamination was noted during any sampling event subsequent to the remediation effort.

On November 29, 1999, staff from the Bremerton-Kitsap County Health District (Health District) visited the site to assess the extent of contamination and identify prospective sampling points. At this time, Ace Paving Company representatives informed Health District Staff of the new management practice of spraying the asphalt trucks with a commercial asphalt release agent instead of diesel fuel.

On December 20, 1999, Health District staff conducted a sampling event at the site. Sampling parameters included Total Petroleum Hydrocarbons (TPH), Polyaromatic Hydrocarbons (PAHs), and Metals. Soil and surface water samples were taken in the mining pit area, reclaimed mining area, and near the asphalt batch plant.

Surface water samples did not have levels of contamination above Model Toxics Control Act (MTCA) Method A cleanup standards, however one soil sample had a 374 mg/kg level of TPH-O, above the current MTCA Method A residential soil standard of 200 mg/kg (the new MTCA standard to be established for TPH-O will be 2000 mg/kg). This soil sample was collected adjacent to one of the stormwater catch basins near the asphalt batch plant. The petroleum product assumed to be the cause of this contamination are long-chained heavy oil fractions, as diesel range contamination was well below cleanup standards.

The surrounding area is served by the Silverdale Water District Group A public water system. One of the wells for this water system is located approximately one-quarter mile away from the mining pit area, however, the well pumps from an aquifer at a depth greater than 1,000 feet, with confining layers between the operational areas and drinking water aquifer. The closest shallow well (<200' depth) is approximately 2,000 feet away.

For the determination of an applicable cleanup standard for the TPH-O, the Ecology Interim TPH Cleanup Standards were used. Based on these calculations the direct soil contact hazard quotient had a value of 0.156. The concentration in the vadose zone for the soil to groundwater pathway was .0066 ppm, well below the 1 ppm MTCA Method A cleanup standard for groundwater.

As Ace Paving appears to be a small quantity generator, the Health District intends to enforce the solid waste regulations of this county to establish a runoff control and treatment system for the site. The Health District will also notify Ecology's water quality program for the potential exceedance of the existing discharge permit standards for the site.

On the basis of this Site Hazard Assessment (SHA) for the Ace Paving Dickey Pit, the Bremerton-Kitsap County Health District recommends that this site receives no further action (NFA) under MTCA, based on its documented insignificant threat to human health and the environment.