

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

Summary Memorandum

WA D009281007
Site ID:
County: Pierce
Priority Assessment: Medium
Backlog Red. Cat.:
Date/Revised: 11/13/84

Name and Location:

Coski Industrial Dump
5403 Pendle Lange Road
Tacoma, WA 98422

Contact: Bernard Coski
Telephone: (206) 927-0362
Site Status: (X)Active ()Inactive ()Unknown

Site Description/TSD Activities:

Site is a deep ravine which Mr. Coski is attempting to fill and eventually plant a tree farm. The landfill remains unpermitted, primarily because of zoning non-conformance, despite years of regulatory action by WDOE and the Health Department. Site was closed 9/10/84 pending resolution of court case for unpermitted dumping.

Waste Types/Quantities/Characteristics:

Majority of landfill material is wood, demolition debris, and car interior "fluff". Hazard material found at the site: 1) DDT, paints, and petroleum products--1 truckload--removed prior to burial; 2) sludge classified as dangerous waste--450 cu. yds. remaining; 3) fuel filter clay (unknown amount) considered to be dangerous waste.

Physical/Social Environment:

The landfill is in a wooded area on steep bluffs along the north shore of Hylebos Waterway. A residential area is approximately 1/4 mile to the north. Resident population of 3,000 within 1 mile. No parks or schools within one mile.

Pollutant Mobilization/Pathways/Risk:

Surface water sampling has not found elevated levels of toxic chemicals, and there is no use of surface water for drinking supply. Given the hydrogeology of the area, groundwater could potentially be contaminated, but the small proportion of hazardous waste at the site may not adversely affect groundwater quality. No use of downgradient groundwater.

Priority Assessment/Backlog Reduction Category:

Medium

Followup Recommendations:

In view of the minimal amount of hazardous waste known to be in the landfill and the absence of concern by the TPCD of any unknown hazardous waste no extensive investigation appears warranted. Occasional monitoring of surface water is recommended. If the facility is allowed to reopen following court proceedings, future dumping activities should be closely monitored.

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT Part 1 - Site Information and Assessment						I. IDENTIFICATION	
						01 State	02 Site Number
						WA	D009281007
II. SITE NAME AND LOCATION							
01 Site Name (legal, common, or descriptive name of site)				02 Street, Route No., or Specific Location Identifier			
Coski Industrial Dump				5403 Pendle Lange Road			
03 City		04 State	05 Zip Code	06 County		07 County Code	08 Cong Dist
Tacoma		WA	98422	Pierce		053	06
09 Coordinates Latitude			Longitude				
			Section/Township/Range				
			NW 1/4, Sec. 31, T21N, R4E, WM				
10 Directions to Site (starting from nearest public road)							
III. RESPONSIBLE PARTIES							
01 Owner (if known)				02 Street (business, mailing, residential)			
Bernard Coski				5403 Pendle Lange Road			
03 City		04 State	05 Zip Code	06 Telephone Number			
Tacoma		WA	98422	(206)9270362			
07 Operator (if known and different from owner)				08 Street (business, mailing, residential)			
same							
09 City		10 State	11 Zip Code	12 Telephone Number			
				()			
13 Type of Ownership (check one)							
<input checked="" type="checkbox"/> A. Private <input type="checkbox"/> B. Federal: <input type="checkbox"/> C. State <input type="checkbox"/> D. County <input type="checkbox"/> E. Municipal <input type="checkbox"/> F. Other: <input type="checkbox"/> G. Unknown							
14 Owner/Operator Notification on File (check all that apply)							
<input type="checkbox"/> A. RCRA 3001, Date Rec'd: / / <input type="checkbox"/> B. Uncontrolled Waste Site (CERCLA 103c), Date Rec'd: / / <input checked="" type="checkbox"/> C. None							
IV. CHARACTERIZATION OF POTENTIAL HAZARD							
01 On Site Inspection		By (check all that apply):					
<input checked="" type="checkbox"/> Yes, Date: 75 / -- / 84		<input checked="" type="checkbox"/> A. EPA		<input type="checkbox"/> B. EPA Contractor		<input checked="" type="checkbox"/> C. State	
<input type="checkbox"/> No		<input checked="" type="checkbox"/> E. Local Health Official		<input type="checkbox"/> D. Other Contractor			
		<input type="checkbox"/> F. Other:					
		Contractors Name(s):					
02 Site Status (check one)		03 Years of Operation					
<input checked="" type="checkbox"/> A. Active <input type="checkbox"/> B. Inactive <input type="checkbox"/> C. Unknown		beginning year		ending year		<input type="checkbox"/> Unknown	
		1975		Pres			
04 Description of Substances Possibly Present, Known, or Alleged							
Facility is an unpermitted landfill which accepts primarily wood, demolition debris, and car interior "fluff". Hazardous material is not typically sent to landfill, though some has been sent there on occasion (see comments). Site was closed 9/10/84 pending resolution of court case against Coski for dumping without permit.							
05 Description of Potential Hazard to Environment and/or Population							
Some potential for ground and/or surface water may exist given the occasional disposal of hazard waste. This potential is believed to be low considering: 1) surface water sampling to date has shown no problem; 2) the vast majority of material in landfill is non-hazardous.							
V. PRIORITY ASSESSMENT							
01 Priority for Inspection (check one; if high or medium is checked, complete Part 2 and Part 3)							
<input type="checkbox"/> A. High (inspection required promptly) <input checked="" type="checkbox"/> B. Medium (inspection required) <input type="checkbox"/> C. Low (inspect on time available basis) <input type="checkbox"/> D. None (no further action needed complete current disposition form)							
VI. INFORMATION AVAILABLE FROM							
01 Contact		02 Of (agency/organization)			03 Telephone Number		
Ned Therien		WDOE			(206)4596352		
04 Person Responsible for Assessment		05 Agency	06 Organization		07 Telephone Number	08 Date	
Donald Weston		N/A	JRB Associates		(206)7477899	11 / 13 / 84	

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
Part 3 - Description of Hazardous Conditions & Incidents

I. IDENTIFICATION	
01 State	02 Site Number
WA	D009281007

II. HAZARDOUS CONDITIONS AND INCIDENTS

- 01 (X) A. Groundwater Contamination 02 () Observed (Date:) (X) Potential () Alleged
03 Population Potentially Affected: 0 04 Narrative Description
Leachate percolating through soil emerges as springs which flow to an unnamed tributary to the Hylebos Waterway. GW is estimated at 50 feet (well logs and topo. map). Soil is permeable sand and gravel. GW quality may not be impacted by minimal amount of hazardous material present.
- 01 (X) B. Surface Water Contamination 02 () Observed (Date:) (X) Potential () Alleged
03 Population Potentially Affected: 0 04 Narrative Description
Site is 500 feet from an unnamed tributary to the Hylebos Waterway. Intervening terrain is steep (approx. 10%). Hylebos located 1/2 mile SW of site. Surface water sampling (from spring) has found no elevated levels of toxic chemicals.
- 01 (X) C. Contamination of Air 02 () Observed (Date:) () Potential () Alleged
03 Population Potentially Affected: 0 04 Narrative Description
Methane odor noticed during WDOE inspection, but otherwise there is no known or suspected contamination of air. Resident population of 3,000 within 1 mile.
- 01 (X) D. Fire/Explosive Conditions 02 (X) Observed (Date: 6/9/81) () Potential () Alleged
03 Population Potentially Affected: 5600 04 Narrative Description
Despite a fire in the landfill in 1981, the fire department believes the landfill operation poses no fire danger to nearby property. Fire breaks are extensive and there is good access to the site for firefighting. Population within 2 miles is 5600 residents and 1400 employed.
- 01 (X) E. Direct Contact 02 () Observed (Date:) () Potential () Alleged
03 Population Potentially Affected: 0 04 Narrative Description
Material accepted for landfill is not hazardous by direct contact (with the exception of one known occasion of acceptance of DDT which is no longer on the site). Wastes are periodically buried beneath clean fill. Site is not fenced.
- 01 (X) F. Contamination of Soil 02 (X) Observed (Date: 9/82) () Potential () Alleged
03 Area Potentially Affected (acres): Unknown 04 Narrative Description
The entire facility occupies 70 acres, though the majority of this area is filled with nonhazardous material. The sludges and oily wastes classified as dangerous waste by WDOE occupy one small area (unknown size).
- 01 (X) G. Drinking Water Contamination 02 () Observed (Date:) (X) Potential () Alleged
03 Population Potentially Affected: 0 04 Narrative Description
Within 3 miles there are 19 public and 21 private wells serving a total of 62,000 people, but all are 1/2 mile or more upgradient. Minimal amount of hazardous material may not threaten groundwater quality. Nearest well (Abuan, Woodworth) 3000 feet north.
- 01 (X) H. Worker Exposure/Injury 02 () Observed (Date:) (X) Potential () Alleged
03 Workers Potentially Affected: < 10 04 Narrative Description
Since the vast majority of the material accepted for disposal is not hazardous, there would usually be no danger of worker exposure/injury. However, hazardous material (e.g., DDT) has occasionally been accepted, which would present a danger if mishandled.
- 01 (X) I. Population Exposure/Injury 02 () Observed (Date:) (X) Potential () Alleged
03 Population Potentially Affected: < 10 04 Narrative Description
There is potential route for population exposure through groundwater, but this potential appears very slim. Workers could be exposed if the facility is allowed to continue operating and hazardous waste is accepted.

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT Part 3 - Description of Hazardous Conditions & Incidents		I. IDENTIFICATION	
		01 State	02 Site Number
		WA	D009281007
II. HAZARDOUS CONDITIONS AND INCIDENTS (continued)			
01 (X) J. Damage to Flora	02 () Observed (Date:)	() Potential	() Alleged
04 Narrative Description None known or suspected.			
01 (X) K. Damage to Fauna	02 () Observed (Date:)	() Potential	() Alleged
04 Narrative Description (Include name[s] of species) None known or suspected.			
01 (X) L. Contamination of Food Chain	02 () Observed (Date:)	() Potential	() Alleged
04 Narrative Description None known or suspected. Nearby Commencement Bay is used for recreational fishing.			
01 (X) M. Unstable Containment of Wastes (spills/runoff/standing liquids/leaking drums)	02 (X) Observed (Date: 7/15/81)	() Potential	() Alleged
03 Population Potentially Affected: 04 Narrative Description Health Department inspection found a recently dumped load of paints and DDT at site and ordered them removed since site does not have adequate containment for liquid hazardous waste. Wastes were subsequently removed			
01 (X) N. Damage to Offsite Property	02 () Observed (Date:)	() Potential	(X) Alleged
04 Narrative Description Neighbors have complained of road damage and debris falling from the trucks, but there have been no complaints of property damage relating to hazardous material.			
01 (X) O. Contamination of Sewers, Storm Drains, WWTPs	02 () Observed (Date:)	() Potential	() Alleged
04 Narrative Description Facility is not served by storm or sanitary sewers.			
01 (X) P. Illegal/Unauthorized Dumping	02 (X) Observed (Date: '75-'84)	() Potential	() Alleged
04 Narrative Description The site has never been permitted as a landfill, primarily because of zoning nonconformance, yet dumping has continued for years. Site was closed 9/10/84 pending resolution of court case for unpermitted dumping.			
05 Description of Any Other Known, Potential, or Alleged Hazards None known.			
III. TOTAL POPULATION POTENTIALLY AFFECTED: <10			
IV. COMMENTS			
Hazardous material known to have gone to site: 1) DDT, paints, and petroleum products--1 truckload--removed prior to burial; 2) sludge from Lilyblad Poligen site--approx. 450 cu. yds. remaining, 26 truckloads removed prior to burial; 3) fuel filter clay from US Oil (unknown amount) approved by Health Dept. at time of disposal, now considered dangerous.			
V. SOURCES OF INFORMATION (cite specific references: state files, reports, etc.)			
EPA/ERRIS Files; WDOE Files; 1980 Federal Census; DSHS Computer File; Pers. comm., Mike Price, Tacoma Sewer Utility; Pers. comm., T. Nord, B. Betts, W. Abercrombie, WDOE; Pers. comm., D. Pierce, TPCHD; USGS Poverty Bay Quad, 1973			



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

7272 Cleanwater Lane, LU-11 • Olympia, Washington 98504 • (206) 753-2353

M E M O R A N D U M
September 6, 1984

To: Bret Betts, S.W. Regional Office
Through: ¹⁷Jerry Freeman, Laboratory Section Head
From: ^Q Don Kjosness, Aquatic Biologist, Olympia Environmental Laboratory
Subject: 96-hour Bioassay Information. Sample from Coski Dump - Tacoma

Sample Identification

Laboratory Reference Number: 14-3520
Date Sample Collected: August 9, 1984
Date Sample Received: August 13, 1984
Sample Submitted by: Jody Snyder
Sample Description: "Car fluff-powerline disposal area." A brown fibrous material.

Test Procedure

The sample was tested for toxic properties in accordance with the Department of Ecology "General Procedure for Static Basic Acute Fish Toxicity Test."

Test Results

The test data are tabulated in detail on the following pages.

Test Details

The sample was tested at 1000 ppm (mg/L) by weight in water.

The test organisms were rainbow trout (Salmo gairdneri). The organism length ranged from 34 to 44 mm, giving a short-to-long ratio of 1.3:1. The average length was 36 mm. The average weight was 2.23 grams.

Five trout were added to 15 liters of sample/water mixture in each aquarium. This gave a flesh-to-mixture ratio of 0.8 grams/liter.

The test was started on August 21, 1984 at 1100 hours and completed on August 25, 1984 at 1100 hours.

Conclusions

1000 ppm (mg/L) - 0/30 fish died = 0% mortality.
Control - 0/30 fish died = 0% mortality.

DK:cp

Attachments