



Department of Energy

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94-LWB-041

Mr. Dave L. Lundstrom
Section Manager 200 Areas
Nuclear Waste Program
State of Washington
Department of Ecology
P.O. Box 1386, MSIN N1-05
Richland, WA 99352

JUL 28 1994



Mr. Lundstrom:

INTERIM RESOLUTION OF CANTON AVENUE SOIL CONTAMINATION

Contaminated soil was discovered near Canton Avenue in the 200 East Area during excavation for the pipeline for Project W-049H, 200 Area Treated Effluent Disposal Facility. The contaminated soil that was excavated was put into 55-gallon drums. Analysis of the soil indicated the contamination was primarily uranium oxide, which resulted from past processing practices at the Hanford Site. In a letter dated April 18, 1994, from Mr. Alex Stone and Ms. Nancy Uziemblo of the State of Washington Department of Energy (Ecology) to Ms. J. M. Hennig of the U.S. Department of Energy, Richland Operations Office entitled "Contaminated Soil Disposal," Ecology required one of two alternatives for dispositioning the drums of contaminated soil.

The two alternatives included: (1) the 30 drums could be sent to the Low Level Burial Grounds for disposal, or (2) the soil in the drums could be returned to the construction site as long as the returned contaminated soil was completely surrounded by plastic. In addition, information on the contamination was to be entered in the Waste Information Data System (WIDS) to assure proper handling in the future.

The purpose of this letter is to notify your office that the second option was chosen for dispositioning the contaminated soil. The contaminated soil was returned to the plastic lined excavation and then covered with plastic. Thus the soil was completely surrounded by plastic and contained as required. Non-contaminated soil was used to bring the trench to grade. Enclosed is a page from the WIDS General Summary Report demonstrating that the information on this soil contamination has been entered in WIDS.

Should you have any questions regarding this transmittal, contact me or Anna Beard of my staff on (509) 376-7472

Sincerely,


June Hennig, Director
Waste Management Division

WMD:AVB

Enclosure

cc:  WMC
A. B. Stone, Ecology



Waste Information Data System
General Summary Report
June 17, 1994

SITE NAME: UPR-200-E-145 (1105)

ALIASES:

W049H Green Soil (1100)

SITE TYPE: Unplanned Release (1100)

WASTE CATEGORY: Low-Level Waste (1101)

STATUS: Inactive (1100)

OPERABLE UNIT: 200-PO-5 (1098)

O.U. CATEGORY: CERCLA Past Practice (1098)

SWMU: Yes (1098)

TPA: Yes (1098)

HANFORD AREA: 200 East Area (1102)

COORDINATES: (NAD 83) north end = 575490E/136130N; south end=575490E/136118N (1102)

LOCATION: East of the A Tank Farm entrance road and just east of Canton Avenue.
40 ft trench running north south, north end at power pole and blue
sample cabinet (1102,1104).

OVERBURDEN: 3.00 feet (1098)

SITE DIMENSIONS (Top) (1098):

Site Area:	400.00 square feet (1098)
Length:	40.00 feet (1098)
Width:	6.00 feet (1098)
Depth:	3.00 feet (1098)

SITE DESCRIPTION: Flat disturbed area, no vegetation, sandy soil cover with some rocks/
gravel. Contaminated soil (300,000 dpm beta-gamma) initially detected at 2.5 ft depth
during potholing for utility lines. Contamination detected above existing 15-in VC
pipe (suspected to be source). 40 ft north/south trench (for new pipe) was dug across
the existing 15-in VC pipe for project W049H, exposing about 6 ft of the 15-in VC pipe
(1099).

ASSOCIATED STRUCTURES:

Leaks from 15-in. vitrified clay pipe is suspected cause of soil
contamination. 15-in. pipe runs east/west and is thought to connect
242-A area to either 216-A-24 or 216-A-34 cribs (1098).

WASTE TYPES AND AMOUNTS: Uranium (1101)

CLEANUP ACTIONS: New W049H pipe (within an encasement) was laid in the north/south
trench below the existing 15-in VC pipe. New encasement covered with about 1 ft of
surrounding soil. Plastic was laid to contain contaminated soil. Contaminated soil
returned to excavation and topped with plastic. 3 ft of non-contaminated soil was
added to bring trench to grade. Contamination also exists beneath and outside of the
plastic liner and was not disturbed in this action (1103).

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
J. M. Hennig, RL (E. M. Greager, WHC)	D. L. Lundstrom, Ecology	Incoming: 9404948 Xref: 9454327D

Subject: INTERIM RESOLUTION OF CANTON AVENUE SOIL CONTAMINATION

INTERNAL DISTRIBUTION

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