



Department of Energy
 Richland Operations Office
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0050204

DEC 18 1998

Mr. Doug Smith, Lead Inspector
 Multi-Media Inspection Team
 U.S. Environmental Protection Agency
 Region 10
 1200 Sixth Avenue
 Seattle, Washington 98101



Dear Mr. Smith

**SUBMISSION OF ANALYSIS OF WASTE DESIGNATION REQUIREMENTS TO
 U.S. ENVIRONMENTAL PROTECTION AGENCY MULTI-MEDIA INSPECTION TEAM**

The U.S. Department of Energy, Richland Operations Office (RL) would like to thank you for having Jack Boller meet with us to discuss the new finding associated with designation of waste. Mr. Boller indicated if there were any discrepancies or concerns, RL could submit additional information now or wait until after the Resource Conservation and Recovery Act (RCRA) Order was issued. RL has identified one area that needs your evaluation, if possible, before you issue the Order.

Mr. Boller indicated that wastes in three drums at the Pipe Laydown area were not correctly designated because they only had the listed waste code for carbon tetrachloride and should have also had a characteristic waste code. The concentration of carbon tetrachloride in the drums was above the 0.5 mg/l characteristic level. RL has reviewed the waste designation requirements for all 17 drums and found that both codes were indicated on the forms for the five drums of waste that were above the characteristic level. Additionally, RL reviewed the waste designation requirements for situations where both listed and characteristic wastes for the same contaminant are contained in a drum, and believe the drums were correctly designated. RL would appreciate your review of the attached analysis of this issue and advise us if our understanding is correct.

If you have any questions about the attachment, please contact Arlene Tortoso, Groundwater Project, on (509) 373-9631.

Sincerely,

James E. Rasmussen, Director
 Environmental Assurance, Permits, and
 Policy Division

GWP:ACT

Attachment:
 Analysis of Waste Designation Requirements

cc w/attach:
 G. C. Henckel, BHI

Designation of Well Drilling Wastes Formerly Located at the Pipe Laydown Yard

Well drilling wastes that came in contact with the 200 West Area carbon tetrachloride groundwater plume were located in containers at the Pipe Laydown Yard at the time of the Multi-Media Inspection. The carbon tetrachloride in the plume is a spent solvent from degreasing. 40CFR 261, subpart D identifies carbon tetrachloride as an F001 listed waste when it is a spent solvent from degreasing. The concern is whether the wastes should have also been designated as a characteristic toxic waste, that would carry a waste code of D019.

Analytical results indicate that there is at least 0.5 ppm carbon tetrachloride in the waste stream for several of the containers, which suggests a D019 characteristic waste.

Clarification on when a listed waste also carries a characteristic waste code is provided in 40 CFR 268.9(a) which states: "For purposes of part 268, the waste will carry the waste code for any applicable listing under 40 CFR 261, subpart D. In addition, the waste will carry one or more of the waste codes under 40 CFR 261, subpart C, where the waste exhibits a characteristic, except in the case when the treatment standard for the waste listed in part 261, subpart D operates in lieu of the treatment standard for the waste under part 261, subpart C, as specified in paragraph (b) of this section."

40 CFR 268.9(b) states: "Where a prohibited waste is both listed under 40 CFR part 261, subpart D and exhibits a characteristic under 40 CFR 261, subpart C, the treatment standard for the waste code listed in 40 CFR subpart D will operate in lieu of the standard for the waste code under 40 CFR 261, subpart C, provided that the treatment standard for the listed waste includes a treatment standard for the constituent that causes the waste to exhibit the characteristic."

The Treatment Standards Table in 40 CFR 268.40, Subpart D indicates that a D019 characteristic waste has the same treatment standard as an F001 listed waste. Therefore, because the constituent that causes the waste to be characteristic (carbon tetrachloride) is covered by the listed waste treatment standard, the D019 code does not have to be carried.