

<u>SUBJECT</u>		<u>DATE</u>
1056.	Hazardous Waste Tanks and the Less than 90-Day Accumulation Time Limit	ENCORE APR 23, 2015
1057.	Decharacterized RCRA Waste - Manifesting and LDR Reporting	ENCORE APR 30, 2015
1058.	Decharacterized Hazardous Waste Listed Solely for Non-Toxic Characteristics	ENCORE MAY 7, 2015
1059.	Decharacterized Wastes, <90-Day Accumulation Time Limits and LDR Storage Prohibition	ENCORE MAY 14, 2015
1060.	Decharacterized Wastes and the LDR Dilution Prohibition	ENCORE MAY 21, 2015
1061.	Hazardous Debris Macroencapsulation and Size Reduction	ENCORE MAY 28, 2015
1062.	Universal Waste Lamps and Prohibition on Crushing	JUN 4, 2015
1063.	F003 Listed Hazardous Waste and the 10% Rule	ENCORE JUN 11, 2015
1064.	F001 - F005 Listed Hazardous Waste and the 10% Rule	ENCORE JUN 18, 2015
1065.	Macroencapsulation of Hazardous Debris and Presence of Free Liquids	ENCORE JUN 25, 2015
1066.	DOT Shipping of Damaged, Defective or Recalled Lithium Batteries	JUL 1, 2015
1067.	Used Oil Eligibility for Animal and Vegetable Oils	ENCORE JUL 9, 2015
1068.	Used Oil Eligibility for Petroleum Oils Mixed with Animal or Vegetable Oils	JUL 16, 2015
1069.	Conditioned Exclusion for Listed Hazardous Waste Debris Treated via Extraction/Destruction	ENCORE JUL 23, 2015
1070.	Conditioned Exclusion for Characteristic Debris Treated via Immobilization	JUL 30, 2015
1071.	RCRA Personnel Training and Classroom Training vs. Online Training	AUG 6, 2015
1072.	PCB Decontamination Standards with No Decontamination Performed	AUG 13, 2015
1073.	PCB Manifest Exceptions a.k.a. When is a PCB Manifest Not Required	ENCORE AUG 19, 2015
1074.	PCB Manifest Relief a.k.a. When is a PCB Manifest Not Required – The Sequel	AUG 27, 2015
1075.	Hazardous Debris and Radioactively Contaminated Cadmium Batteries	ENCORE SEP 3, 2015
1076.	Hazardous Debris and Radioactively Contaminated Lead Acid Batteries	ENCORE SEP 10, 2015
1077.	Mercury Wet Cell Batteries - Debris or Not Debris	ENCORE SEP 17, 2015
1078.	Hazardous Debris and Non-Radioactive Lead Acid Batteries	SEP 24, 2015
1079.	Unused Paraformaldehyde - U Listed Hazardous Waste or Not?	ENCORE OCT 1, 2015
1080.	CAS Numbers and the Hazardous Waste "U" and "P" Listings	ENCORE OCT 8, 2015
1081.	Universal Waste One Year Accumulation and Multiple Handlers	ENCORE OCT 15, 2015
1082.	PCB Storage for Disposal and RCRA <90-Day Accumulation Areas	ENCORE OCT 22, 2015

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## TWO MINUTE TRAINING

**TO:** CH2M HILL PLATEAU REMEDIATION COMPANY

**FROM:** PAUL W. MARTIN, RCRA Subject Matter Expert  
CHPRC Environmental Protection, Hanford, WA

**SUBJECT:** PCB STORAGE FOR DISPOSAL AND RCRA  $\leq$ 90-DAY ACCUMULATION AREAS

**DATE:** OCTOBER 22, 2015

<u>CHPRC Projects</u>	<u>CH PRC - Env. Protection</u>	<u>MSA</u>	<u>Hanford Laboratories</u>	<u>Other Hanford Contractors</u>	<u>Other Hanford Contractors</u>
Richard Austin Tania Bates Ty Blackford Bob Cathel Rene Catlow Richard Clinton Larry Cole John Dent Brian Dixon Eric Erpenbeck Stuart Hildreth Mike Jennings Stephanie Johansen Jeanne Kisielnicki Melvin Lakes Jim McGrogan Stuart Mortensen Anthony Nagel Dean Nester Dave Richards Phil Sheely Connie Simiele Roni Swan Michael Waters Jeff Widney	Brett Barnes Ron Brunke Bill Cox Laura Cusack Lorna Dittmer Rick Engelmann Ted Hopkins Jim Leary Dale McKenney Jon McKibben Rick Oldham Linda Petersen Fred Ruck Jennie Seaver Ray Swenson Wayne Toebe Lee Tuott Daniel Turlington Dave Watson Joel Williams	Jerry Cammann Jeff Ehlis Garin Erickson Lori Fritz Panfilo Gonzales Jr. Dashia Huff Mark Kamberg Edwin Lamm Candice Marple Saul Martinez Jon Perry Thomas Pysto Christina Robison Don Rokkan Lana Strickling Lou Upton	(TBD)  <u>DOE RL, ORP, WIPP</u>  Mary Beth Burandt Cliff Clark Mike Collins Tony McKarns Ellen Mattlin Greg Sinton Scott Stubblebine	Bill Bachmann Dean Baker Scott Baker Lucinda Borneman Paul Crane Tina Crane Greta Davis Jeff DeLine Ron Del Mar John Dorian Mark Ellefson Darrin Faulk Joe Fritts Tom Gilmore Rob Gregory Gene Grohs James Hamilton Andy Hobbs Ryan Johnson Dan Kimball Megan Lerchen Richard Lipinski Charles (Mike) Lowery Michael Madison Terri Mars Cary Martin Grant McCalmant Steve Metzger Tony Miskho Matt Mills Tom Moon Chuck Mulkey Mandy Pascual Kirk Peterson Jean Quigley	Dan Saueressig Merrie Schilperoort Joelle Moss Glen Triner Greg Varljen Julie Waddoups Kyle Webster Jeff Westcott Ted Wooley

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## TWO MINUTE TRAINING

**SUBJECT:** PCB Storage for Disposal and RCRA  $\leq$ 90-Day Accumulation Areas

**Q:** A customer has PCB waste proposed for storage in a RCRA hazardous waste  $\leq$ 90-day accumulation area. The customer is aware that PCB waste can be stored in certain RCRA facilities in compliance with TSCA PCB storage for disposal requirements but is not sure about  $\leq$ 90-day accumulation areas. Under what conditions can the customer store PCB waste in a RCRA hazardous waste  $\leq$ 90-day accumulation area in compliance with PCB storage for disposal requirements?

**A:** Per 40 CFR 761.65(b)(1) PCB wastes can be stored for disposal in facilities basically with adequate roof, walls and floors; no drains or openings; well-constructed floors and curbing; and not located below the 100-year flood water elevation. Under (b)(1) these facilities have no RCRA specified requirements.

Then per 40 CFR 761.65(b)(2), PCB wastes can also be stored for disposal in RCRA facilities if the facilities are permitted by EPA or the State; or qualify for interim status standards and meet permitted secondary containment; and any PCB spills are cleaned up per the PCB spill cleanup policy at 40 CFR 761, Subpart G. PCB wastes stored in these types of RCRA facilities do not have to meet the design criteria of paragraph (b)(1), i.e., roof, walls and floors, etc., but of course the facilities have to be in compliance with their RCRA permits or interim status standards.

As further clarification the January 2009 TSCA EPA Question and Answer Manual stated:

*Q: Under §761.65(b), PCBs may be stored for disposal in areas meeting the requirements of RCRA §§3004, 3005, or 3006. May I store PCBs in accordance with the requirements for 90-day accumulation under RCRA (40 CFR 262.34)?*

*A: No. The allowance to store in a RCRA permitted facility does not include the 90-day generator storage provision or storage in satellite accumulation areas.*

This means that in order for the customer to store PCBs in a RCRA  $\leq$ 90-day accumulation area, the area would have to meet the design criteria of paragraph (b)(1), i.e., roof, walls, floor, etc. Since the  $\leq$ 90-day accumulation area is excepted from having a RCRA permit or meeting interim status standards, paragraph 761.65(b)(2) cannot apply and the customer cannot store his PCB wastes based on the accumulation area's RCRA  $\leq$ 90-day status. Only if the  $\leq$ 90-day accumulation area had a roof, walls, floors, etc., could PCB waste be stored for disposal in compliance with 40 CFR 761.

### SUMMARY:

- PCB wastes can be stored for disposal in a facility with a roof, walls, floor, etc.
- PCB wastes can also be stored for disposal in a permitted or interim status RCRA facility.
- A  $\leq$ 90-day accumulation area can store PCB wastes only if the area has a roof, walls, floor, etc.

40 CFR 761.65(b) is attached to the e-mail. If you have any questions, contact me at "Paul\_W\_Martin@rl.gov" or at (509) 376-6620.

**FROM:** Paul W. Martin

**DATE:** 10/22/15

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## TWO MINUTE TRAINING - ATTACHMENT

**SUBJECT:** PCB Storage for Disposal and RCRA  $\leq$ 90-Day Accumulation Areas

### 40 CFR §761.65 Storage for disposal

(b) Except as provided in paragraphs (b)(2), (c)(1), (c)(7), (c)(9), and (c)(10) of this section, after July 1, 1978, owners or operators of any facilities used for the storage of PCBs and PCB Items designated for disposal shall comply with the following storage unit requirements:

(1) The facilities shall meet the following criteria:

(i) Adequate roof and walls to prevent rain water from reaching the stored PCBs and PCB Items;

(ii) An adequate floor that has continuous curbing with a minimum 6 inch high curb. The floor and curbing must provide a containment volume equal to at least two times the internal volume of the largest PCB Article or PCB Container or 25 percent of the total internal volume of all PCB Articles or PCB Containers stored there, whichever is greater. PCB/radioactive wastes are not required to be stored in an area with a minimum 6 inch high curbing. However, the floor and curbing must still provide a containment volume equal to at least two times the internal volume of the largest PCB Container or 25 percent of the total internal volume of all PCB Containers stored there, whichever is greater.

(iii) No drain valves, floor drains, expansion joints, sewer lines, or other openings that would permit liquids to flow from the curbed area;

(iv) Floors and curbing constructed of Portland cement, concrete, or a continuous, smooth, non-porous surface as defined at § 761.3, which prevents or minimizes penetration of PCBs.

(v) Not located at a site that is below the 100-year flood water elevation.

(2) No person may store PCBs and PCB Items designated for disposal in a storage unit other than one approved pursuant to paragraph (d) of this section or meeting the design requirements of paragraph (b) of this section, unless the unit meets one of the following conditions:

(i) Is permitted by EPA under section 3004 of RCRA to manage hazardous waste in containers, and spills of PCBs are cleaned up in accordance with subpart G of this part.

(ii) Qualifies for interim status under section 3005 of RCRA to manage hazardous waste in containers, meets the requirements for containment at § 264.175 of this chapter, and spills of PCBs are cleaned up in accordance with subpart G of this part.

(iii) Is permitted by a State authorized under section 3006 of RCRA to manage hazardous waste in containers, and spills of PCBs are cleaned up in accordance with subpart G of this part.

(iv) Is approved or otherwise regulated pursuant to a State PCB waste management program no less stringent in protection of health or the environment than the applicable TSCA requirements found in this part.

(v) Is subject to a TSCA Coordinated Approval, which includes provisions for storage of PCBs, issued pursuant to § 761.77.

(vi) Has a TSCA PCB waste management approval, which includes provisions for storage, issued pursuant to § 761.61(c) or § 761.62(c).

**FROM:** Paul W. Martin

**DATE:** 10/22/15

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