

<u>SUBJECT</u>		<u>DATE</u>
1056. PCB Reporting and Recordkeeping Relief	ENCORE	JAN 12, 2014
1057. Commercial Chemical Products and Unused Batteries	ENCORE	JAN 16, 2014
1058. PCB Annual Records Retention Timeframes		JAN 31, 2014
1059. Satellite Accumulation within a ≤90-day Accumulation Area		FEB 7, 2014
1060. PCB Certificate of Disposal Relief	ENCORE	FEB 13, 2014
1061. Used Oil and Weekly Inspections		FEB 20, 2014
1062. Bags and RCRA Container Definition		FEB 27, 2014
1063. Product Storage Tank Residues and Hazardous Waste Regulations	ENCORE	MAR 6, 2014
1064. Spent Lead-Acid Batteries and Accumulation Time Limits		MAR 13, 2014
1065. Land Disposal Restrictions and Dates of Accumulation		MAR 23, 2014
1066. Universal Waste Accumulation Time Limits and the One Year Rule		MAR 29, 2014
1067. PCB Manifest Discrepancy Reports and Estimated Waste Weights		APR 6, 2014
1068. PCB Wastes, Independent Transporters and Confirmation of Receipt		APR 10, 2014
1069. Paint Wastes and The Applicability of the F001-F005 Listings to Ingredients	ENCORE	APR 20, 2014
1070. Other Paint Wastes and the Applicability of the F001-F005 Listings	ENCORE	APR 24, 2014
1071. Multiple Characteristic Hazardous Waste Codes and Underlying Hazardous Constituents		MAY 1, 2014
1072. TSCA "No PCBs" versus "Non-PCBs" versus "Nondetectable PCBs"	ENCORE	MAY 8, 2014
1073. Purpose of Keeping a Hazardous Waste Container Closed	ENCORE	MAY 15, 2014
1074. PCB Containers and Multiple Removed From Service Dates		MAY 22, 2014
1075. Satellite Accumulation and RCRA Personnel Training		MAY 29, 2014
1076. Transporter Signatures on Hazardous Waste Manifest and Multiple Drivers		JUN 5, 2014
1077. Universal Waste and Nonhazardous Batteries		JUN 12, 2014
1078. Universal Waste and Incandescent Bulbs		JUN 19, 2014
1079. The PCB Mark and the Fields "Also Contact" and "Tel No"	ENCORE	JUN 29, 2014
1080. Halon Fire Extinguishers - Banned or Not Banned?	ENCORE	JUL 5, 2014
1081. Cabinets as RCRA Containers	ENCORE	JUL 13, 2014
1082. LDR Storage Prohibitions and Treated Wastes	ENCORE	JUL 17, 2014
1083. LDR Treatment Standards and F001 "Chlorinated Fluorocarbons"	ENCORE	JUL 24, 2014
1084. RCRA Regulatory Status of Chlorinated Fluorocarbons Used as Refrigerants	ENCORE	JUL 31, 2014
1085. Universal Wastes, Manifesting and DOT Shipping Names		AUG 7, 2014
1086. CERCLA Hazardous Substances – A Brief Definition		AUG 14, 2014
1087. CERCLA Hazardous Substances – The Petroleum Exclusion		AUG 21, 2014
1088. PCB Concentration Assumptions for Use vs. PCB Disposal	ENCORE	AUG 28, 2014
1089. Universal Waste and Basis for the One Year Accumulation Time Limit		SEP 4, 2014
1090. Product Spills and Waste Determinations	ENCORE	SEP 11, 2014
1091. PCB Concentrations and 10,000 PPM		SEP 18, 2014
1092. PCB Concentrations and 1,000 PPM		SEP 25, 2014
1093. Universal Waste Alkaline Batteries and Self-Transportation		OCT 2, 2014
1094. Universal Waste Lithium Batteries and Self-Transportation		OCT 9, 2014
1095. Universal Waste Batteries and Closed Containers	ENCORE	OCT 16, 2014
1096. PCB Containers and Concentration of PCBs		OCT 23, 2014
1097. Recyclable Chemicals and Zombie Destruction		OCT 31, 2014
1098. Satellite Accumulation Requirements in Washington State	ENCORE	NOV 6, 2014
1099. Satellite Accumulation and "At or Near"		NOV 13, 2014
1100. Regulatory Status of Chromated, Copper, Arsenate, (CCA) Wood as Wood Mulch	ENCORE	NOV 20, 2014
1101. Defining Criteria for Household Waste Exclusion	ENCORE	NOV 26, 2014
1102. The Household Waste Exclusion and Renovation Debris		DEC 4, 2014
1103. The Household Waste Exclusion and Renovation Debris – Part II		DEC 11, 2014
1104. PCB Ballasts and Disposal Options	ENCORE	DEC 18, 2014
1105. 'Twas the Night Before Christmas – The Twenty-Second Edition		DEC 24, 2014
1106. Printed Circuit Board Recycling – Shredded vs. Whole	ENCORE	JAN 1, 2015
1107. Satellite Accumulation and Product Vessel Cleanouts		JAN 8, 2015
1108. Date of Accumulation for Hazardous Waste and Receipt of Analytical Information	ENCORE	JAN 15, 2015
1109. Conservative Declarations that Material is a Hazardous Waste		JAN 22, 2015
1110. Hazardous Waste Generator Tanks and the Date of Accumulation Marking	ENCORE	JAN 29, 2015
1111. Universal Waste, Satellite Accumulation and Centralized Collection Areas		FEB 4, 2015
1112. The PCB Mark and PCB Storage for Disposal Areas	ENCORE	FEB 12, 2015
1113. EPA Hazardous Waste Markings - Accumulation vs. Pre-Transport	ENCORE	FEB 19, 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: EPA HAZARDOUS WASTE MARKINGS - ACCUMULATION VS. PRE-TRANSPORT

DATE: FEBRUARY 19, 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 Westcott Jeff Widney	Brett Barnes Ron Brunke Bill Cox Lorna Dittmer Rick Engelmann Ted Hopkins Jim Leary Dale McKenney Jon McKibben Rick Oldham Linda Petersen Fred Ruck Jennie Seaver 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 Don Rokkan Lana Strickling Lou Upton Christina Zerby	Alan Campbell Grant McCalmant <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 Steve Metzger Tony Miskho Matt Mills Tom Moon Chuck Mulkey Judith Nielsen Mandy Pascual Kirk Peterson Jean Quigley	Mark Rollison Dan Saueressig Merrie Schilperoort Joelle Stamm Glen Triner Greg Varljen Julie Waddoups Kyle Webster Ted Wooley

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TWO MINUTE TRAINING

SUBJECT: EPA Hazardous Waste Markings - Accumulation vs. Pre-Transport

Q: What are the basic differences in marking and labeling requirements for hazardous waste containers in a generator's accumulation area versus the pre-transport requirements at the time of shipment offsite?

A: Per WAC 173-303-200(1)(c) and (d) [40 CFR 262.34(a)(2) and (3)], during generator accumulation a generator's containers must be marked with the words "Hazardous Waste" (or "Dangerous Waste" in Washington State), and with the date accumulation began. Specific to Washington state, each container must also be marked with the major risk(s), e.g., Flammable, Corrosive, Dangerous When Wet, etc.

Per WAC 173-303-190(2) and (3) [40 CFR 262.32], at pre-transport a generator's containers must be marked and labeled per the Department of Transportation (DOT) requirements at 49 CFR Part 172, and with the following wording:

HAZARDOUS WASTE - State and federal law prohibits improper disposal. If found, contact the nearest police or public safety authority, and the Washington state department of ecology or the United States Environmental Protection Agency.

Generator's Name and Address _____

Generator's EPA Identification Number _____

Manifest Tracking Number _____

Therefore, during accumulation the hazardous/dangerous waste containers must be marked with the words "Hazardous Waste", the date of accumulation and in Washington State, and the major risk. At the time of transport the hazardous/dangerous waste containers must also include the wording, if found, contact the police, etc. During accumulation and before transportation, the "if found...", generator information, and manifest tracking number wording are not required to be marked on the containers.

SUMMARY:

- Accumulation markings include: the words *Hazardous Waste* or *Dangerous Waste**, the date accumulation began and the major risk(s)*. [*State of Washington requirements.]
- Pre-transport markings include: DOT marks and labels, the wording "*Hazardous Waste -State and federal law prohibits improper disposal. If found...*", the generator's name, address, EPA ID number and manifest tracking number.
- During accumulation and before transportation, the "if found...", generator information and manifest tracking number wording are not required to be marked on the waste containers.

Excerpts from WAC 173-303-190 and WAC 173-303-200 are attached to the e-mail. If you have any questions, please contact me at "Paul_W_Martin@rl.gov" or at (509) 376-6620.

FROM: Paul W. Martin

DATE: 2/19/15

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TWO MINUTE TRAINING - ATTACHMENT

SUBJECT: EPA Hazardous Waste Markings - Accumulation vs. Pre-Transport

WAC 173 -303-200 Accumulating dangerous waste on-site.

(1) A generator, not to include transporters as referenced in WAC 173-303-240(3), may accumulate dangerous waste on-site without a permit for ninety days or less after the date of generation, provided that:

(c) The date upon which each period of accumulation begins is marked and clearly visible for inspection on each container;

(d) While being accumulated on site, each container and tank is labeled or marked clearly with the words "dangerous waste" or "hazardous waste." Each container or tank must also be marked with a label or sign which identifies the major risk(s) associated with the waste in the container or tank for employees, emergency response personnel and the public (note: If there is already a system in use that performs this function in accordance with local, state, or federal regulations, then such system will be adequate). The department may also require that a sign be posted at each entrance to the accumulation area, bearing the legend, "danger—unauthorized personnel keep out," or an equivalent legend, written in English, and legible from a distance of twenty-five feet or more; and

WAC 173 -303-190 Preparing dangerous waste for transport.

The generator must fulfill the following requirements before transporting off-site or offering for off-site transport any dangerous waste.

(2) Labeling. The generator must label each package in accordance with United States DOT regulations, 49 C.F.R. Part 172.

(3) Marking. The generator must:

(a) Mark each package of dangerous waste in accordance with the applicable United States DOT regulations on hazardous materials under 49 C.F.R. Part 172; and

(b) Mark each container of one hundred nineteen gallons or less of dangerous waste used in such transportation with the following, or equivalent words and information in accordance with 49 C.F.R. 172.304:

HAZARDOUS WASTE - State and federal law prohibits improper disposal. If found, contact the nearest police or public safety authority, and the Washington state department of ecology or the United States Environmental Protection Agency.

Generator's Name and Address

Generator's EPA Identification Number

Manifest Tracking Number

FROM: Paul W. Martin

DATE: 2/19/15

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PG: 2

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