

<u>SUBJECT</u>		<u>DATE</u>
1448.	Definitions of Inactive Portion, Active Portion and Closed Portion of a RCRA TSDF	AUG 12, 2021
1449.	Dangerous Waste Designations and Dangerous Waste Code Determinations	AUG 19, 2021
1450.	Method Detection Limits and Hazardous Waste Determinations	ENCORE AUG 26, 2021
1451.	Method Detection Limits and Hazardous Waste Determinations II	ENCORE SEP 2, 2021
1452.	Totals Analysis vs. TCLP and Dividing by 20	ENCORE SEP 9, 2021
1453.	Decharacterized RCRA Waste - Manifesting and LDR Reporting	ENCORE SEP 16, 2021
1454.	Decharacterized Hazardous Waste Listed Solely for Non-Toxic Characteristics	ENCORE SEP 23, 2021
1455.	Decharacterized Wastes and the LDR Dilution Prohibition	ENCORE SEP 30, 2021
1456.	The "Derived from Rule", the "Mixtures Rule", and the "Contained-In Policy"	ENCORE OCT 7, 2021
1457.	Hazardous Debris and Options to Exclude as a Dangerous Waste	OCT 14, 2021
1458.	Regulatory Status of Characteristic Baghouse Dust Destined for Reclamation	OCT 21, 2021
1459.	RCRA Point of Generation and Baghouse Dust Collection Systems	OCT 28, 2021
1460.	Pumps Containing Liquid Hazardous Wastes and Liquids in Landfill Prohibition	ENCORE NOV 4, 2021
1461.	Pumps Containing Liquid Hazardous Waste and Land Disposal Restrictions	ENCORE NOV 11, 2021
1462.	Pumps Containing Liquid Hazardous Wastes and RCRA Empty Containers	NOV 18, 2021
1463.	Multiple Characteristic Hazardous Waste Codes and Underlying Hazardous Constituents	ENCORE NOV 23, 2021
1464.	LDR Notifications/Certifications and Generator Permitted Treatment, Storage, or Disposal Facility	ENCORE DEC 2, 2021
1465.	Multiple Characteristic and Listed Hazardous Waste Codes and the "in lieu of" LDR Principle	ENCORE DEC 9, 2021
1466.	Universal Wastes - Recycling versus Disposal	ENCORE DEC 16, 2021
1467.	'Twas the Night Before Christmas – The Twenty-Eighth Edition	DEC 24, 2021
1468.	Spent Lead Acid Batteries vs., Universal Wastes	ENCORE DEC 30, 2021
1469.	Hazardous Debris and Radioactively Contaminated Cadmium Batteries	ENCORE JAN 6, 2022
1470.	Hazardous Debris and Radioactively Contaminated Lead-Acid Batteries	ENCORE JAN 13, 2022
1471.	Mercury Wet Cell Batteries - Debris or Not Debris	ENCORE JAN 20, 2022
1472.	Hazardous Debris and Non-Radioactive Lead Acid Batteries	ENCORE JAN 27, 2022
1473.	Hazardous Debris and LDR High/Low Mercury Subcategories	ENCORE FEB 3, 2022
1474.	Central Accumulation Areas and the ≤90-day Time Frame	ENCORE FEB 10, 2022
1475.	Central Accumulation Areas with Satellite Accumulation	FEB 17, 2022
1476.	Definition of RCRA Empty Tank	ENCORE FEB 24, 2022
1477.	RCRA Empty Acutely Hazardous Waste Containers	ENCORE MAR 3, 2022
1478.	The RCRA Definition of Acute Hazardous Waste	MAR 10, 2022
1479.	Regulatory Status of Liquids and Solids Separated from D001 High TOC Wastes	ENCORE MAR 17, 2022
1480.	Generator Accumulation at a Permitted Storage Facility	MAR 24, 2022
1481.	Generator Accumulation and Maximum Inventory of Dangerous Waste Onsite at a RCRA TSD	MAR 31, 2022
1482.	LDR Storage Prohibitions and the One-Year Rule	ENCORE APR 7, 2022
1483.	LDR Storage Prohibitions and Treated Hazardous Wastes	ENCORE APR 14, 2022
1484.	LDR Storage Prohibitions and Treated Hazardous Debris or Contaminated Soil	ENCORE APR 21, 2022
1485.	Satellite Accumulation, the Three-Day Rule, and Washington State vs. EPA	ENCORE APR 28, 2022
1486.	Satellite Accumulation Areas and the Three-Day Accumulation Time Limit	ENCORE MAY 5, 2022
1487.	Satellite Accumulation Areas and the Three-Day vs., the 72-Hour Accumulation Time Limit	MAY 12, 2022
1488.	RCRA and New Point of Generation	ENCORE MAY 19, 2022
1489.	High Mercury vs. Low Mercury and Point of Generation	ENCORE MAY 26, 2022
1490.	Nonwastewater vs., Wastewater – The LDR Definitions	JUN 2, 2022
1491.	LDR Treatability Groups and Applicability of LDR Treatment Standards	JUN 9, 2022
1492.	Land Disposal Restricted vs. Land Disposal Prohibited	ENCORE JUN 16, 2022

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TWO MINUTE TRAINING

TO: CENTRAL PLATEAU CLEANUP COMPANY

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

SUBJECT: LAND DISPOSAL RESTRICTED VS. LAND DISPOSAL PROHIBITED

DATE: JUNE 16, 2022

<u>CPCCo Projects</u>	<u>CPCCo Functionals</u>	<u>HMIS</u>	<u>Hanford Laboratories</u>	<u>Other Hanford Contractors</u>	<u>Other Hanford Contractors</u>
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TWO MINUTE TRAINING

SUBJECT: Land Disposal Restricted vs. Land Disposal Prohibited

Q: What is the difference in the terms "Land Disposal Restricted" and "Land Disposal Prohibited"?

A: Per an EPA guidance document entitled, "Land Disposal Restrictions: Summary of Requirements", ([EPA530-R-01-007](#)) it states on page 2-6:

"Restricted wastes are hazardous wastes subject to the LDR program. Prohibited wastes have an EPA-established treatment standard that is currently in effect."

The guidance document goes on to state that a waste is *restricted* during the time the treatment standard has been established for a waste and prior to the effective date. In other words, a waste is *restricted* once a treatment standard is identified, i.e., subject to LDR, and remains *restricted* until the treatment standard is made effective. The *restricted* waste does not yet require treatment to meet the LDR treatment standard, however, the waste must be disposed in a landfill meeting the minimum technological requirements (MTR) of [40 CFR 268.5\(h\)\(2\)](#) i.e., groundwater monitoring and double liners. Also the *restricted* waste must meet minimum LDR requirements, which include waste analysis, and LDR notification and recordkeeping requirements of [40 CFR 268.7](#). A *restricted* waste can be land disposed (without treatment since the treatment standard is not yet effective) however, the above requirements concerning MTR, waste analysis, LDR notification and recordkeeping do apply.

A waste is *prohibited* once the effective date of the treatment standard has passed and therefore LDR treatment standards must be met prior to land disposal. A waste that does not meet the LDR treatment standard as generated, is a *prohibited* waste. Wastes treated to meet an LDR treatment standard or wastes not destined for land disposal are not considered *prohibited*.

Note that virtually all current waste codes have treatment standards that are effective. Therefore, virtually all current waste codes are *prohibited*. If a new waste code is promulgated and a treatment standard established, the new waste code is *restricted* during the time prior to the effective date of the LDR treatment standard.

SUMMARY:

- "Land disposal restricted" and "land disposal prohibited" are not interchangeable.
- A land disposal restricted waste has an LDR treatment standard that is not yet effective.
- A land disposal prohibited waste has an LDR treatment standard that is effective.

Excerpts from the EPA guidance document are attached to the e-mail. If you have any questions, please contact me at [Paul W. Martin@rl.gov](mailto:Paul_W_Martin@rl.gov) or at (509) 376-6620.

FROM: Paul W. Martin

DATE: 6/16/2022

FILE: 2MT\2022\061622.rtf

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TWO MINUTE TRAINING - ATTACHMENT

SUBJECT: Land Disposal Restricted vs. Land Disposal Prohibited

LAND DISPOSAL RESTRICTIONS: *Summary of Requirements* Revised August 2001

2.6 What Is the Difference Between Restricted and Prohibited Wastes?

Two terms frequently used in reference to wastes subject to the Land Disposal Restrictions are *restricted* and *prohibited*. Restricted wastes are hazardous wastes subject to the LDR program. Prohibited wastes have an EPA-established treatment standard that is currently in effect.

When we establish a treatment standard for a waste destined for land disposal, we also specify the date that the waste must meet the standard. This is called the “effective date” of the treatment standard. During the time the treatment standard has been established for a waste and prior to the effective date, the waste is considered “restricted.” It does not have to be treated to meet the LDR treatment standards during this time, however, it can only be disposed in a landfill unit meeting the minimum technological requirements of 40 *CFR* 268.5(h)(2). Once a waste is restricted, the minimum requirements that apply include the waste analysis, notification, and recordkeeping requirements in 40 *CFR* 268.7.

Prohibited wastes are a subset of restricted wastes. Once the effective date has passed, LDR treatment standards must be met before the waste can be disposed on the land unless the waste is eligible for a variance, extension, or exemption. (Wastes not destined for land disposal are not considered “prohibited” wastes). If the waste does not meet the treatment standard as generated, it is considered a prohibited waste. Prohibited wastes cannot be land disposed because they do not meet the treatment standard and they are not eligible for a variance, extension, or exemption. Once a prohibited waste is treated to meet the treatment standard, however, it is no longer prohibited from land disposal.

We generally promulgate LDR treatment standards in conjunction with a new hazardous waste listing, so virtually all current wastes now have treatment standards that are in effect. However, if a variance delays the effective date of the treatment standard beyond the normal effective date of a new listing, there may be a period of time when the waste is only restricted and not prohibited. This is common with unusual forms of a waste stream, such as waste mixed with radioactive material, often called “mixed wastes.”