



ANNUAL OVERSIZED BULKY WASTE (OBW) REQUEST FORM FOR JUNIPER RIDGE LANDFILL

Facility Name: Juniper Ridge Landfill

Calendar Year of Request: 2023

DEP License Number: #S-020700-WD-CM-M

CONTACT PERSON: Jeffrey Pelletier Title: Environmental Manager

Mailing Address: 358 Emerson Mill Road

City/Town: Hampden Zip Code: 04444

Phone: 207-249-8025 E-mail: Jeffrey.Pelletier@casella.com

LANDFILL MANAGER: Wallace Giakas

Mailing Address: 77 State House Station

City/Town: Augusta Zip Code: 04333

Phone: 207-624-7345 E-mail: Wallace.Giakas@maine.gov

I have examined this report to the best of my knowledge and believe this report is true, accurate and complete.

Signature of person completing this form:  Date Signed 01-26-23

Printed name and title of person completing this form: Jeffrey Pelletier / Environmental Manager

FORM INSTRUCTIONS

Pursuant to Condition 2(D) of Minor Revision License #S-020700-WD-CM-M, the following procedure shall be followed:

- A. Fill out the required information on this form in coordination with the Bureau of General Services (BGS).
Check (✓) when done:
- B. Submit the completed form to the Department of Environmental Protection (Department) Project Manager via email by **January 31**, along with a hard copy by mail (17 State House Station, Augusta, ME 04333-0017).
Check (✓) when done:
- C. Concurrent with submittal to the Department, send the completed form certified mail to the City of Old Town, the Town of Alton, the Landfill Advisory Committee, and interested persons as requested.
Check (✓) when done:
- D. The submittal will be posted on the BGS and Department websites.
- E. The Department will have 90 days (until May 1st) to respond.
- F. The Department shall accept public comments for the first 60 days (until April 1st).
- G. If the Department does not respond within the 90-day period, the previous year's OBW limit will apply unless otherwise determined by the Department due to unforeseen and extenuating circumstances.
- H. The Department has the authority to modify the limit calculated by the formula in this form based on current OBW recycling opportunities, economic factors, and other relevant factors.

REQUIRED INFORMATION

Pursuant to Minor Revision license #S-020700-WD-CM-M:

- The applicant shall submit on a Department-approved form the calculated OBW limit as well as a discussion of relevant factors that may impact the proposed OBW tonnage to the Department by January 31st of each calendar year.
- The annual OBW limit shall not exceed 85,000 tons regardless of the outcome of the methodology.

Please fill out the required information below and submit the document to the Department no later than January 31st.

- 1. Current OBW limit: 82,203 tons/year Year of Current Limit: 2022
- 2. Proposed OBW limit: 85,000 tons/year Year of Requested Limit: 2023

3. Calculation of annual OBW limit using the approved formula (average OBW tonnage over the previous five years multiplied by the average Consumer Price Index (CPI) over the same five-year period):

Year	2018	2019	2020	2021	2022
OBW Tons	78,903	84,554	86,035	82,435	79,172
CPI	1.9	2.3	1.4	7.0	6.5

5-year OBW avg: 82,220 x 5-year CPI avg: 3.8 = 85,344 tons OBW calculated

4. Discussion of relevant factors that may impact the proposed OBW tonnage including available technology, economic factors, and other applicable factors. Supporting information is required if the proposed OBW limit in #2 is different than the calculated OBW limit in #3:

Applicant's Response:

The applicant expects that similar sludge volumes will need disposal at Juniper Ridge Landfill (JRL) in 2023. Due to strict guidelines set by the legislature regarding PFAS, JRL has become the primary disposal site for much of Maine's sludges.

As stated by the Maine Department of Environmental Protection in the JRL Solid Waste License Minor Revision #S-020700-WD-CM-M and agreed upon by the applicant, OBW is a viable and consistently reliable bulking material for sludge that results in improved stabilization and lower hydrogen sulfide gas production than CDD.

For those reasons the applicant believes that an increase to the JRL OBW limit for the expansion area is warranted. As seen below in Table 1, JRL's total sludge volumes increased roughly 4.3% overall from 2021 to 2022. This increase was primarily led by the disposal of an additional 4,248 tons of Municipal WWTP Sludge.

Table 1: OBW and Sludge Disposal Totals at JRL 2018 through 2022¹

Year	Sludge (Tons)	OBW (Tons)
2018	53,023	78,903
2019	82,888	84,554
2020	82,407	86,035
2021	90,069	82,435
2022	93,971	79,172

¹ The 65,000 tons OBW limit applies to the JRL Expansion area only. Some OBW totals referenced in Table 1 include OBW that was placed in the originally permitted landfill footprint. Tonnage data for 2022 is preliminary and may change slightly during reporting.

MEDEP/BGS/Municipality

Form Submittal (01/26/23)

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