

Table One: Summary of types of waste placed in JRL. Information sourced from DEP’s summary tables and categorized by NRCM for simplicity. Full table for 2020 on next page for reference. Note there is typically 3X+ more Maine CDD waste than OBW, which is mostly sourced from out-of-state—and they can both be used to stabilize sludge.

Waste Placed in Juniper Ridge Landfill	2017 (tons)	2018 (tons)	2019 (tons)	2020 (tons)
MSW	79,609	107,690	125,607	173,136
Oversized Bulky Waste (OBW)*	67,504	78,903	84,554	86,035
Maine Construction Demolition and Debris (CDD)	231,740	268,264	301,083	324,743
CDD Fines*	146,526	139,997	140,256	100,134
Industrial Sludge	2,836	4,932	15,002	17,964
Municipal Sludge ¹	33,877	48,901	67,886	64,443
Other Soil-like Materials	66,640	63,032	61,538	41,649
Other Special Types of Waste	73,791	23,221	22,531	27,159
Total	702,523	734,940	818,457	835,263

*These materials are sourced from ReSource, Lewiston, where about 90% of the material on average is sourced from out-of-state, and then sent to Juniper Ridge Landfill as “residue.”

Table Two: Typical Bulking/Solidification/Stabilization Agents.² Note that Oversized Bulky Waste is not on this table.

Table 1. Typical Bulking and Solidification/Stabilization Agents Used with Aqueous Wastes

Bulking	Solidification/Stabilization
Agricultural Biomass	Coal Fly Ash
Animal Bedding (e.g. straw, chicken litter)	Ground Slag
Auto Shredder Fluff	Kiln Dust (cement or lime)
C&D Materials - Crushed Brick/Mortar, Fines	Lime
Gypsum/Wallboard Materials	Portland Cement
Mulch/Wood Chips	Rice Husk Ash
Sawdust	
Soil	
Waste/Contaminated Soils	

¹ Municipal WWTPs that utilize JRL for sludge disposal include: Portland, Bangor, LAWPCA, Kennebec, Rockland, S Portland, Westbrook, Saco, Augusta, Scarborough, Orono, York, Kittery, Old Town, Falmouth, Belfast, Old Orchard Beach, Farmington, Kennebunk, Freeport, Calais, Lisbon, Gardiner, Boothbay Harbor, Wells, and Livermore Falls.

²Table source: Environmental Research and Education Foundation’s Report: Disposal of Aqueous Waste in MSW landfills: Utilization and Effectiveness of Bulking and Stabilization Strategies. October 2018.

Table 3-1 Summary of Wastes Accepted at JRL, 2020

Summary of Wastes Accepted at Juniper Ridge Landfill Report Year 2020				
Waste Type #	Waste Types	Total (tons)	Origin	% Total Waste
1	Bypass MSW ⁶	110,866	Maine	13.3
2	CDD/MSW Processing Residue - OBW (Disposed of in the Original 2004 Permitted Footprint)	1,685	Maine	0.2
3	CDD/MSW Processing Residue - OBW (Disposed of in the Expansion Permitted Footprint) ⁵	84,350	Maine	10.1
4	CDD Processing Residue - Fines ¹	100,134	Maine	12.0
5	FEPR	-	Maine	0.0
6	Mixed CDD	322,636	Maine	38.6
7	MSW ⁴	55,470	Maine	6.6
8	Wood from CDD ²	2,107	Maine	0.3
9	Residue/Trash from Single Stream	6,800	Maine	0.8
Special Wastes Types				
10	Burn Pile Ash and/or Hot Loads Area Ash	614	Maine	0.1
11	Catch Basin Grit & Street Sweeping	692	Maine	0.1
12	Coal, Oil & Multi-fuel Boiler Ash	6,253	Maine	0.7
13	Contaminated Soil & Debris	7,432	Maine	0.9
14	Dredged Spoils	129	Maine	0.0
15	Graphite/Carbon Dust	4	Maine	0.0
16	Industrial WWTP Sludge	17,964	Maine	2.2
17	Leather Scraps	29	Maine	0.0
18	Lime Mud/Grit	1,039	Maine	0.1
19	MSW Incinerator Ash	31,265	Maine	3.7
20	Municipal WWTP/POTW Sludge	64,443	Maine	7.7
21	Non-Friable Asbestos	840	Maine	0.1
22	Non-Hazardous Chemical Related	2,239	Maine	0.3
23	Oil Spill Debris	5,130	Maine	0.6
24	Polyethylene & Cellulose Trimmings	9,616	Maine	1.2
25	Pulp Mill Waste	946	Maine	0.1
26	Sandblast Grit	487	Maine	0.1
27	Spoiled Foods	526	Maine	0.1
28	Sulfur Scrubbing Residues	792	Maine	0.1
29	Water/Air Filtration Media	41	Maine	0.0
30	WWTP Grit Screenings	734	Maine	0.1
SUBTOTAL WASTE TYPES 1-9		684,048	Maine	81.9
SUBTOTAL WASTE TYPES 10-30		151,213	Maine	18.1
GRAND TOTAL WASTE RECEIVED³		835,261	Maine	

1. Used as alternative daily cover (ADC).

2. Wood from CDD was received at the Juniper Ridge Landfill wood storage facility (ADC).

3. Total derived from sum of higher significant digit numbers, not rounded whole numbers as provided in the above table.

4. Non-bypass MSW was limited to 81,800 tons in the Original 2004 Permitted Footprint from 04/01/19 - 03/31/20. During this time frame 80,366 tons were disposed of. An additional six month was also granted for the same area, allowing an additional 40,900 tons between 04/01/20 - 09/30/20. During this time frame 40,886 tons were disposed of. Numbers reported above are for calendar year 2020.

5. On 12/20/19, MEDEP approved an increase of OBW in the Expansion area. The previous limit of 65,000 tons per year, set by expansion license #S-020700-WD-BI-N, was modified through solid waste minor revision #S-020700-WD-BW-M. The minor revision approved additional disposal of OBW to 85,000 tons for calendar year 2020.

6. CRM/MRC 8,357.94 tons, ecomaine 8,258.87 tons, PERC 94,249.25 tons