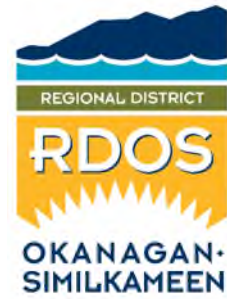


Oliver Landfill

2025 Annual Report



Operational Certificate: 15280



Prepared by:

Regional District of Okanagan-Similkameen

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Appendix I – 2025 Environmental Monitoring Report

1. INTRODUCTION

The Regional District of Okanagan-Similkameen (RDOS) operates a solid waste landfill facility near the Town of Oliver. The Oliver Landfill (OLF) currently operates under Operational Certificate (OC) No. 15280 issued to the RDOS by the British Columbia Ministry of Environment and Climate Change Strategy (MoE). EcoScape Environmental Consultants Ltd. (EECL) was retained by the RDOS to prepare the environmental monitoring section of the 2025 Environmental Monitoring Report for the Oliver Landfill (OLF); their report is attached. The RDOS compiled the operational information for this landfill. This report presents the monitoring and operational activities for the 2025 reporting period from January 1 to December 31, 2025.

The OLF is located in the RDOS, approximately six (6) kilometers southeast of the Town of Oliver, B.C. and has an estimated total area of 16.2 hectares. Landfilling operations reportedly commenced in 1979 at the southeast corner of the site. The placement of waste reportedly commenced at an elevation consistent with the OLF bedrock/overburden interface. Cover material was historically excavated from the northwest portion of the OLF. After commencing in the southeast, landfilling progressed in a northerly and westerly direction. Scrap metal and other inert materials were stockpiled. Concrete and asphalt were reportedly placed along the bedrock overburden interface at the southeast quadrant of the landfill. The maximum waste depth, located in the west central portion of the active area, is reported to be approximately 15 meters.

This report was prepared in accordance with the annual landfill reporting requirements outlined in Section 4.4 of the OC. To aid the regulator in the assessment of compliance, we provide a concordance table (Table 1), which outlines the Operational Certificate 15280 section requirement and the corresponding report information section.

Table 1: Operational Certificate 15280 Concordance Table

Operational Certificate Section	Corresponding Report Information Section
Section 4.1 Municipal Solid Waste Management	
4.1.1 - Provide and maintain a weigh scale and record the weight of refuse discharged to the landfill over a 24-hour period	2.4 Waste Disposal Table 2
4.1.2 - Record the weight or volume of recyclable and reusable materials not being discharged and that are being separated, stored or processed at the landfill over a 24-hour period.	2.3 Waste Diversion Activities Table 2
4.1.3 - If possible, density tests should be performed utilizing a known scaled volume of representative compacted refuse at a frequency of at least once per year and reported in kg per m3.	2.5 Per Capita Waste Disposal Rates 2.6 Landfill Volume Consumed
Section 4.2 - Vegetation Monitoring	
4.2 - Inspect vegetation during the growing season in the vicinity of the landfill at least once per year to determine if any environmental impacts are occurring, and take appropriate remedial action if necessary.	2025 Environmental Monitoring Report
Section 4.3 - Monitoring Program	
4.3.1 - Monitoring Program	2025 Environmental Monitoring Report
4.3.3 - Sampling Techniques	2025 Environmental Monitoring Report
4.3.4 – Analyses	2025 Environmental Monitoring Report, Water Quality analysis was completed by CARO Analytical in Kelowna, BC a CALA accredited laboratory.
Section 4.4 - Annual Report	
4.4.1 (a) - Type and tonnage of waste received, recycled and landfilled	2.3 Waste Diversion Activities 2.4 Waste Disposal 2.6 Landfill Volume Consumed Table 2
4.4.1 (b) - Current topographic map detailing airspace consumption, on-site borrow pit changes and future developments	Figure I and Figure II
4.4.1 (c) - Updated estimates for the remaining capacity, closure for the current phase and closure date for the current landfill report	2.8 Remaining Facility Life Capacity
4.4.1 (d) - Any new information or proposed changes relating to the facilities and Design and Operation Plan	2.9 2026 Operation Plan

Section 4.4 - Annual Report (Continued)	
4.4.1 (e) - Open burning activity, if applicable, including amount of material received for burning, number of burns and updates from a wood waste audit	None
4.4.1 (f) - Occurrences or observations of wildlife (medium and large carnivores) at the facility	None
4.4.1 (g) - A statement regarding progress in reducing the waste stream, in accordance with the hierarchy of reduce, reuse and recycle principles; and	2.3 Waste Diversion Activities 2.4 Waste Disposal Table 2
4.4.1 (h) - The results of all monitoring programs as specified in this Operational Certificate. Data interpretation and trend analysis, as well as an evaluation of the impacts of the discharges on the receiving environment in the previous year shall be carried out by a qualified professional.	2025 Environmental Monitoring Report
4.4.1 (i) - The methods and amounts of leachate collection, treatment and disposal, if applicable	Not Applicable

2. LANDFILL OPERATION AND MANAGEMENT

The following section details the operation and management of the Site.

1.1 OLIVER LANDFILL OPERATIONS

The Oliver Landfill is administrated by the RDOS. RDOS staff operate the scale and scale house. Landfilling operations were conducted by the RDOS. OLF currently accepts residential, commercial and light industrial waste from the Town of Oliver, RDOS Electoral Area C and the Osoyoos Indian Band. Wastes that are prohibited from disposal at the OLF, according to Section 4.12 of the OC, include the following:

- Hazardous Wastes other than those specifically authorized in the Hazardous Waste Regulation;
- Bulk liquids, semisolid sludge's which contain free liquid;
- Liquid or semisolid wastes (septage, black water, and sewage treatment sludge);
- Automobiles, white goods, other large metallic objects.
- Biomedical waste; and
- Dead animals and slaughter house, fish hatchery wastes, and farming wastes or cannery wastes and by products.

The equipment required for completion of the daily tasks and for other maintenance at the OLF includes the following:

- John Deere 544 loader
- Caterpillar packer 816f2
- Freightliner 1000 Gal. Water Truck.
- Ford Ranger pickup.
- Edge slayer xl

The landfill hours of operations were as follows:

- 10:00 am to 3:45pm, Monday to Saturday (March to November);
- 12:00 pm to 3:45 pm, Monday to Friday (December to February); and
- 10:00 am to 3:45 pm, Saturday (December to February).

Closed on Sundays and statutory holidays.

Alternative daily cover (ADC), in the form of mats made of heavy strips of conveyor belt chained together, and commercial glass is used at the facility. Addition ADC is imported from the Okanagan Falls Landfill Demolition Sort Facility. This material is a mix of fines and unsortable mixed demolition material. Intermediate cover is applied weekly.

Operational Notes for 2026:

- As indicated on the site layout, the old borrow pit along the southern boundary of the site continued to be filled with aggregate. This area will continue to be filled throughout 2026.
- A fill plan was developed in 2024 for the remaining Phase 2. Landfilling will continue at this phase throughout 2026.
- Construction of compost facility was completed in 2024. Ground green waste was composted using aerated windrow. The compost was utilized on landfill side slopes. Food and yard waste composting will continue throughout 2026.
- The RDOS plans to finalize the compost management plan regarding the potential to sell or distribute compost to the public. Additional testing and process verification are scheduled to take place in 2026.
- Ground wood waste continues to be a challenge to move offsite. Co-generation plants are less willing to take ground wood waste due to contaminants, clean wood fiber when approved is expected to be used in relatively high quantities for the new compost site once complete.
- Sperling Hansen and Associates completed the development of a Master Plan, combining a Design, Operations and Closure Plan with the design of the compost site and other onsite improvements in 2022.
- Alternative daily cover (ADC), in the form of mats made of heavy strips of conveyor belt chained together, and commercial glass is used at the facility. Addition ADC was imported from the Okanagan Falls Landfill Demolition Sort Facility. This materials is a mix of fines and unsortable mixed demolition material. Intermediate cover was applied weekly.
- Sperling Hansen and Associates have completed the leachate pond design for our Phase 3 expansion, including provisions to capture excess leachate from the compost facility. Construction is anticipated to begin in 2026, moving of stockpiles to accommodate the new pond is anticipated.

Figure 1: 2025 Oliver Landfill Site Layout

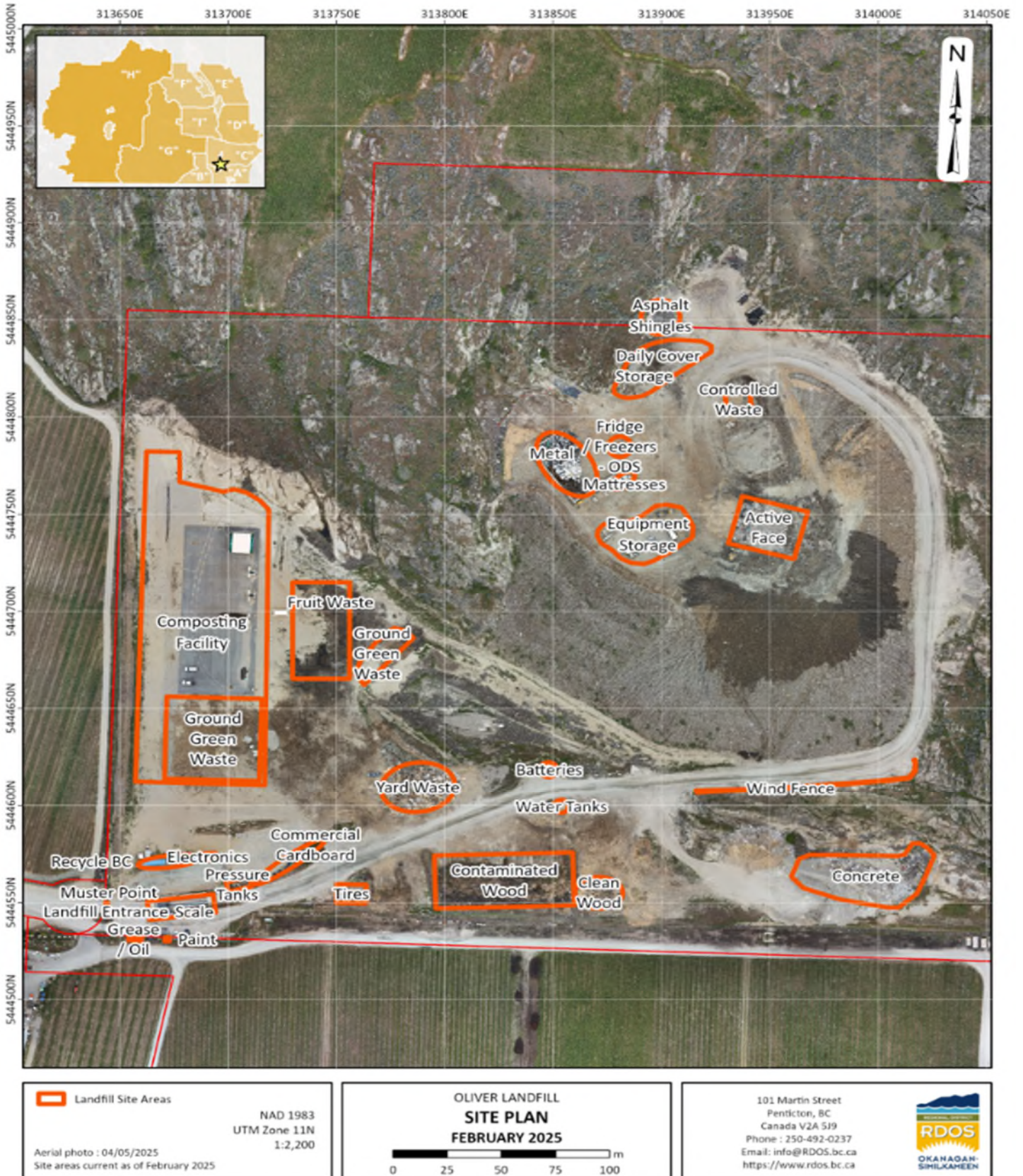


Figure 2: 2025 Oliver Landfill Topographic Map



2.1 OLF FACILITIES

The OLF is accessed from Black Sage Road via the newly named Saddle Ridge Road (formerly Sibco Landfill Road). An access gate controls entrance and/or exit. The gate is locked when the Site is closed to prevent unauthorized vehicle entry and uncontrolled waste disposal. The scale house was installed in 1998 and is located in the southwest quadrant of the Site (Figure 1). During operating hours, the quantity of waste received is weighed and recorded by the Scale Attendant. Household recyclable materials brought to the OLF, such as residential cardboard, mixed paper, containers, glass, film plastic and polystyrene packaging are placed in Recycle BC Containers located north of the scale house. Commercial cardboard is placed in containers inside the Site. The facility also operates a mattress and box spring reduction program.

3.1 WASTE DIVERSION ACTIVITIES

During the reporting period, approximately 4,846 tonnes of recyclable materials were collected through Landfill Recycling Programs and consequently diverted from burial at the landfill. The following materials were reported to have been diverted from the landfill:

- Asphalt Roofing
- Batteries and Alarms
- Recycle BC (Landfill Entrance)
- Commercial Cardboard
- Concrete, Asphalt Ceramic Fixtures (used operationally)
- Electronic waste and Appliances including Ozone Depleting Substance (ODS)
- Fruit Waste
- Metal
- Tree Stumps
- White Wood
- Yard Waste
- Pressurized Tanks
- Tires
- Used Oil
- Paint

Converted Cargo Containers are used to collect household recyclables under Recycle BC program. A summary of recovered materials associated with landfill recycling activities is presented in Table 2.

4.1 WASTE DISPOSAL

The quantity of waste received at the OLF is weighed at the scale and recorded by the scale attendant. Excluding composted/recycled materials/ clean fill/ contaminated soil (below Hazardous Waste level) which were used for cover/ construction or operationally, 6,520 tonnes were landfilled in 2025. This is a 9.7% decrease over 2024. A waste disposal summary is presented in Table 2.

Table 2: Summary of Waste and Diverted Materials at the OLF**Waste Material Landfilled**

Waste Material (tonnes)	2017	2018	2019	2020	2021	2022	2023	2024	2025
Agricultural Plastics	73.84	85.69	120.24	99.46	116.85	87.8	124.51	148.46	167.22
Asbestos	29.86	6.925	13.23	16.71	19.68	103.1	41.99	203.57	9.89
Bulky Waste	6.03	1.61	1.23	3.48	3.72	2.6	1.79	1.24	2.45
Burnt material	90.31	31.85	43.11	115.13	172.41	54.4	32.46	13.95	7.23
Carcasses	7.97	8.28	7.15	0.77	.57	2	0.78	0	3.53
Carcasses - Highways				1.63	2.26	-	0.13	0.12	0.18
Construction Mixed	7.75	7.035	7.89	0	0	-	-	0	0
Controlled Waste	16.1	12.84	24.71	57.5	70.35	7.6	35.41	0.58	0
Curbside – Out of Service Area				7.85	21.75	-	-	-	0
Curbside Area 'C'	566.95	549.33	555.84	585.27	598.48	607.6	607.72	600.52	587.61
Curbside Area 'C' Bulky Waste	14.93	9.58	3.38	18.11	10.82	10.25	10.93	10.90	18.36
Curbside Oliver	679.2	662.15	709.19	765.41	800.71	796.6	-	815.20	557.54
Curbside Oliver Bulky Waste	10.12	13	17.79	13.67	3.25	4	11.63	10.53	15.97
Demolition/ Renovation Mixed Assessed	0	6.23	0	1.81	0	-	-	27.19	0
Demolition/ Renovation Mixed Non-Assessed	74.42	13.39	9.87	25.75	0	-	32.38	11.52	5.27
Garbage – Commercial Account	2349.3	2384	2925	3243.0	3521.04	3763.5	3636.3	3023.52	3052.54
Garbage – Refuse Non-Commercial	1413.2	1656.5	1732.4	1783.6	2011.72	2064.1	1848.4	1701.87	1755.39
Garbage – Out of Service Area				91.89	0	5.8	254.37	20.18	8.12
Gypsum	18.9	221.73	157.2	113.29	131.03	197.5	138	85.79	91.58
Highway Refuse	35.16	38.99	11.87	1.25	1.37	0.3	0.3	0.32	0
Illegal Dumping	10.42	2.59	1.66	0.07	4.92	0.9	0.9	0.22	0
Infested Vegetation/ Noxious Weeds	98.3	100.37	106.43	108.53	135.97	130	111.64	8.64	10.02
Lead Painted Material		0.14	0.53	3.86	8.28	1.5	1.1	1.01	0.18

Preserved Wood	240.51	167.09	267	298.23	167.06	148	351.09	468.55	226.57
Prohibited Waste						0.4	0.72	0	0
DRC Material									0
Noxious Weeds									0
TOTAL LANDFILLED (tonnes)	5743	5979	6715	7356	7802	7982	7935	7154	6520

Cover Material (tonnes)	2017	2018	2019	2020	2021	2022	2023	2024	2025
Clean Earth Fill	1151.55	2068.7	579.8	558.89	1159.47	658.9	886.4	434.03	558.75
Contaminated Soil	19.54	9.7	97.21	142.8	6.98	4.9	2.76	85.43	108.91
Commercial Glass	95.7	66.7	88.33	71.83	0	96.6	57.58	63.92	77.32
Operationally Beneficial Cover			721.31		.35	32			
Tar and Gravel Roofing	120.92	94.5	172.05	38.82	48.62	293.4	81.05	74.95	36.18
TOTAL Contributed for Cover Material	1388	2240	1659	812.34	1215.42	1085.8	1027.79	658.33	781.16
Additional Cover from OK Falls								1043	647.20
Recycled Material (tonnes)	2017	2018	2019	2020	2021	2022	2023	2024	
Asphalt Roofing	305.6	81.5	238.7	0	329.16	0.3	259.58	313.71	436.75
Batteries	5.43	3.98	5.01	8.05	4.091	2.7	0	5.70	4.46
Commercial Cardboard	17.04	11.995	8.43	7.16	6.66	42.3	8.74	12.25	14.9
Concrete, Asphalt, Ceramic, Rock	802.45	1125.77	614.61	773.9	748.32	530.4	437.80	337.20	201.39
Concrete Bulky			50.36	13.77	35.88	11.5	95.23	46.11	0
Curbside Organics									535.75
Fruit Waste	419.36	1003.3	864.4	1030	361.39	721.1	374.27	818.33	665.60
Gyproc	178	0	0	0	0	0	0	0	0
Metal	216	225.24	208.9	194.2	355.82	233.3	297.20	368.75	255.84
Wood Salvaged			5.13	0	0	0	0	0	0
Tree Stumps (m3 converted)	0	0	87	65.16	74.14	36.2	36.76	34.50	63.49
White Wood (m3 converted)	1905.32	1561.3	1188.7	742.16	2263	2098	850.24	726.51	659.87

Processed Organics - White	0	0	0	0	0	0	0	0	0
Wood Product (painted)					.08	0	5.46	0	12.05
Yard Waste Small Dimension	201.68	249.65	243.18	166.86	150.24	556.2	133.05	177.16	195.30
Organics (m ³ converted) Yard Waste	1729	2371.2	2284.9	2621.8	1308	1210.5	1357.41	1145.73	1054.26
Small Pressurized Tanks (units converted)	0.40	0.44	0.30	0.245	1.08	0	0	0	0
Large Pressurized Tanks (units converted) 5lbs and up	8.00	2.50	16	2.50	6.77	53.06	54.13	44.66	52.96
Wood Waste Industrial	9.62	0	0	0	823.64	871.25	0	0	0.20
Xmas Tree									0.62
Tires	10.813	8.07	16.04	25.68	18.80	480.9	581.87	589.75	669.86
Tires on rims (units converted)	3.817	0.781	4.19	3.95	.492	3.5	4.33	4.43	2.49
Tires Oversized	0.85	3.18	0.5	0.67	.25	3.33	0.51	1.01	1.34
Total:	5813.4	6648.9	5836.4	5656.1	6487.8	6854.5	4496.6	4625.8	4827.1
Residential Recycling Depot (tonnes)	2017	2018	2019	2020	2021	2022	2023	2024	2025
Blue Bag Commercial	22.33	0	0	0	0	0	0	0	0
RecycleBC Fibre	10.9	9.5	7.8	5.37	4.825	4.557	3.788	4.403	3.911
RecycleBC Containers	1.84	1.5	1.7	1.57	1.322	1.076	0.904	0.699	0.708
RecycleBC Film Plastic	1.18	1.2	.5	0.38	.292	.182	0	0	0
RecycleBC Poly - Coloured	0.01	0.0	0	0.03	.028	.02	.016	0.005	0.006
RecycleBC Poly - White	0.88	1.0	0.9	0.62	.552	.613	.393	0.407	0.582
RecycleBC Glass	3.2	0.7	0.8	3.69	3.090	2.52	2.28	1.949	2.237
RecycleBC Other Flexible Plastic			0.8	0.51	.376	.40	.603	0.521	0.708
Total Depot	40.34	13.9	12.5	12.17	10.485	9.368	7.984	7.984	8.152
PRODUCT CARE / BCUOMA (tonnes)	2017	2018	2019	2020	2021	2022	2023	2024	2025
Paint	2.5	3.4	2.5	2.72	9.0	0	7	1.8	2.3
Aerosol	0.16	0	0	0.2	.25	0	1	0	0

Oil		8.976	7.3	0.88	2.03	0.918	2.30	5.46	7.83
Oil Filters				0	0	0	1 drum	0.09	0
Antifreeze		0.615	.416	0	.21	0.14	0	0.6	0.4
Plastic Oil Containers	0.42			0	0	0	65	0	0
Plastic Oil Pails							80	93.5	0
TOTAL Diverted from the Landfill (tonnes)	5857	6689	5859	5672	6509.79	6865	770.85	4736	4846
Supplemental Information (tonnes included elsewhere)	2017	2018	2019	2020	2021	2022	2023	2024	2025
Agricultural Organics	463.4	219.03	240.32	217.19	211.08	154.22	662.45	549.59	291.63
Curbside Area 'C' Yard Waste	39.45	44.79	55.44	50.61	69.91	-	64.91	64	96.95
Curbside Oliver Yard Waste	209.61	219.09	332.37	426.35	356.76	-	366.57	367.85	73.55
Electronic Waste (included in CMLF)	10.96	8.15	5.5	5.08	0	0	0	0	0
Mattress / Box spring Diversion (units)	999	1038	1041	1106	1057	1247	583.03	1237	648.98
Refrigeration Units (units)	560	451	408	738	613	447	478	361	533.84
Compost Soil Amendment sold (tonnage)	0	0	0	0	0	0	0	0	0

Table 3: Vehicle Recorded Per Month in 2024

Oliver Landfill	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2021	1445	1100	3251	3128	2968	2597	1921	2738	2580	3013	2480	1063	28,284
2022	988	1264	2786	2848	3030	2686	2618	2620	2571	2844	1691	807	26,753
2023	1459	1502	2742	2684	3148	2975	2564	2568	2523	2953	2269	1264	28,654
2024	1008	1279	2077	2557	2671	2401	2165	2148	1808	2597	1788	996	23,495
2025	1042	735	1940	2337	2332	2227	2332	2218	2315	2529	1810	1144	22,961

Notes:

The tonnage data from recycled Asphalt Roofing, Batteries, Metal, Tree Stumps, White Wood, Organics, Propane Tanks, Tires, RecycleBC and Product Care materials supplied by contractors.

'Tar and Gravel and Asphalt Roofing' under the Cover Material is determined by taking the total materials received as Asphalt Roofing less the amount recycled plus Tar and Gravel roofing received. Tar and Gravel roofing weights is weighted with Asphalt Roofing but is used to establish and maintain onsite roads. (Recyclable).

Conversion estimates to tonnage used

AVERAGE White Wood	0.23	tonnes/m ³
AVERAGE Organics	0.35	tonnes/m ³
AVERAGE Tree Stumps	0.3	tonnes/m ³
Small Pressurized Tanks	0.00045	tonnes/unit
Large Pressurized Tanks	0.0136	tonnes/unit
Tires (no longer used)	0.011	tonnes/unit
Rims from Tires	0.014	tonnes/unit
Used Motor Oil	0.00088	tonnes/L
Glycol	0.001	tonnes/L
Paint	0.225	tonnes/tub
Drum	208 L	

Notes:

The tonnage data from recycled Asphalt Roofing, Batteries, Household Hazardous Waste, Metal, Tree Stumps, White Wood, Organics, Propane Tanks, Tires, Rims on Tires, RecycleBC and Stewardship materials supplied by contractors.

5.1 PER CAPITA WASTE DISPOSAL RATES

Based on an estimated population of 9,842 people (Statistics Canada 2021Census) in the OLF service area (Electoral Area C, Town of Oliver and Osoyoos Indian Band), the average daily mass of waste disposed per capita is approximately 1.81 kg per day.

6.1 LANDFILL VOLUME CONSUMED

Excluding composted/recycled materials which were diverted, 6,520 tonnes were landfilled at the OLF during the reporting period. This is a 9.7% decrease over 2024.

Refuse compaction rates are a function of the type and size of compaction equipment utilized and the nature of the refuse. As indicated in Section 2.1, CAT 816F2 compactor is currently used to compact the refuse and is estimated to yield an in-situ refuse density of approximately 0.6 tonnes/m³ but higher compaction density of 0.65 tonnes/m³ has been realized.

Based on the above compaction rate and a 4:1 cover ratio determined in the Oliver Landfill Life-Cycle Cost Analysis prepared by Sperling Hansen Associates (DOCP 2022), the estimated landfill volume consumed by the placement of refuse during the reporting period is about 12,538m³ in 2025.

7.1 APPROVED DESIGN VOLUME

The Design, Operation and Closure Plan (DOCP) estimated the remaining airspace capacity of the Oliver Landfill Facility at 336,115 m³ as of December 2021, based on a final top-of-refuse elevation of 415 m above sea level (AMSL). Updated disposal data from 2021 through 2025, totaling approximately 37,400 tonnes, were converted to volumetric airspace using an assumed in-place waste density of 0.6 t/m³ and a 4:1 waste-to-cover ratio.

8.1 REMAINING FACILITY LIFE CAPACITY

Based on the 2022 lifespan analysis prepared by SHA, the estimated closure date is 2065. This estimate is based on the reduced waste disposal per capita of 0.857 tonnes/person/year due to organic diversion.

9.1 2025 OPERATION PLAN

Landfilling activities at the Oliver Landfill will continue in accordance with the existing fill plan developed in 2024 for the remaining Phase 2 footprint. Waste placement will advance westward through 2026, supported by ongoing filling of the former borrow pit along the southern boundary using imported aggregate. The facility will continue to employ alternative daily cover (ADC), including conveyor-belt mat systems, commercial glass, and additional ADC imported from the Okanagan Falls Demolition Sort Facility. Intermediate cover will continue to be applied on a weekly basis. In support of long-term capacity planning, Sperling Hansen and Associates (SHA) completed an updated Master Plan and Design, Operations and Closure Plan (DOCP) in 2022, with further DOCP updates completed in 2023. SHA has also finalized the leachate pond design for the Phase 3 expansion, including additional infrastructure to manage excess leachate generated from the composting operation. Construction of the new pond is anticipated to begin in 2026, and no changes to operating hours or general site operations are expected during this period.

Organics management at the Oliver Landfill expanded significantly with the completion of the compost facility in 2023, delivered with funding from the Organics Infrastructure Program. The facility currently processes residential curbside organics, commercial food waste, fruit waste, yard waste, and ground green waste from the town of Oliver, and planning to expand the service to Osoyoos, Electoral Areas 'A' and 'C', and the Osoyoos Indian Band. Materials are composted using an aerated windrow system, and finished compost has been successfully utilized on landfill side slopes. Mixed food-and-yard waste composting will continue throughout 2026, alongside additional testing and process validation as the RDOS finalizes its compost management plan. This work will help determine the potential for distributing or selling finished compost to the public beginning in 2025–2026. Ground wood waste remains challenging to move offsite due to limited acceptance by co-generation facilities.

10.1 OPERATION AND MAINTENANCE EXPENDITURES

The operational and maintenance expenditures for the OLF during 2025 are reported below. These expenditures include Contractor costs, RDOS salaries and other miscellaneous expenses. A summary of the 2025 financials and budget for the landfill is presented in Table 4.

Table 4: Financial Summary for OLF in 2024

GL Account	2025 Actual	2025 Budget
Revenues		
1-3000-1000 - TAX REQUISITION	(161,872)	(161,872)
1-3000-1800 - GRANT IN LIEU OF TAXES	(614)	-
1-3000-2700 – INTEREST INCOME	-	-
1-3000-3070 - AGREEMENT - OSOYOOS INDIAN BAND	(7,982)	(2,920)
1-3000-4600 - FEES - REFUSE DISPOSAL	(1,012,575)	(1,153,212)
1-3000-4630 - SCRAP METAL RECYCLING	(104,838)	(100,000)
1-3000-4640 - MMBC REVENUE	-	(3,000)
1-3000-6000 - TRANSFER FROM OPERATING RESERVE	-	(25,997)
1-3000-9000 - MISCELLANEOUS REVENUE	(6,658)	(1,500)
1-3000-9990 - PRIOR YEARS SURPLUS	-	-
TOTAL REVENUE	(1,294,539)	(1,453,501)

GL Account	2025 Actual	2025 Budget
Expenses		
2-3000-1000 – SALARIES AND WAGES	404,706	453,002
2-3000-1010 – OLIVER COMPOST WAGES	18,949	-
2-3000-1400 - ADMINISTRATION CHARGES	60,799	60,766
2-3000-1422 – IT SUPPORT COSTS	3,348	3,448
2-3000-2230 – EQUIPMENT MAINTENANCE	54,871	100,000
2-3000-2500 - OPERATIONS	70,888	80,000
2-3000-2510- OPERATIONS- COMPOSTING	29,421	31,050
2-3000-3000 - CONSULTANTS	3,993	10,000
2-3000-3520 - CONTRACT SERVICES	-	-
2-3000-3521 - CONTRACT SERVICES - OPERATIONS	9,795	5,175
2-3000-3522 - CONTRACT SERVICES - RECYCLING	43,005	41,400
2-3000-3525 - CONTRACT SERVICES WOOD WASTE	109,719	118,849
2-3000-3526 - CONTRACT SERVICES - E WASTE	-	15,525
2-3000-4000 - EDUCATION & TRAINING	5,206	5,175
2-3000-4100 - MEMBERSHIP & DUES	2,013	2,070
2-3000-5000 - ENVIRONMENTAL CONTROL	7,164	7,970
2-3000-5100 - ENVIRONMENTAL MONITORING	5,616	8,000
2-3000-5502- CAPITAL EXPENDITURE- COMPOST FACILITY (GRANT)	-	-
2-3000-6000 - INSURANCE – PROPERTY	156	160
2-3000-6050 - INSURANCE – LIABILITY	3,845	4,601
2-3000-6100 – INSURANCE VEHICLE	855.05	191

2-3000-6150 - INSURANCE – ENVIRONMENTAL	13,299	10,577
2-3000-6200 - LEGAL FEES	-	-
2-3000-7000 – SUPPLIES	1,980	1,077
2-3000-8010 - ADVERTISING - PUBLIC EDUCATION	1,582	1,350
2-3000-8200 - TRAVEL/LEASING	65,466	71,415
2-3000-8500 – UTILITIES	11,237	16,000
2-3000-8510- UTILITIES- COMPOST ELECTRIC & WATER	1,7539	20,700
2-3000-9200 - TRANSFER TO RESERVE CAPITAL	-	293,000
2-3000-9202-TRANSFER TO VEHICLE REPLACEMENT RESERVE	-	80,000
2-3000-9290 - TRANSFER TO OPERATING RESERVE	-	12,000
TOTAL	1,320,868	1,453,501

11.1 LEACHATE MANAGEMENT

The OLF is operated as a natural control landfill; therefore, a leachate collection system has not been implemented. Leachate generated from precipitation infiltrating into the refuse mass may be attenuated by the overburden below the landfill. The depth (up to 85 metres) and nature of the overburden indicate significant attenuation potential at the OLF.

To support long-term operational needs, the RDOS has initiated design work for a new leachate pond, with construction anticipated in 2026 or 2027, subject to contractor availability. This upgraded pond will serve the future Phase 2 landfill expansion, providing dedicated leachate management capacity as waste filling progresses over the coming years. In addition, the new infrastructure is intended to receive and store excess leachate generated at the compost facility, which currently relies on a smaller on-site leachate tank. This integrated approach will enhance regional leachate handling capacity, improve operational resilience, and provide appropriate containment for anticipated future volumes.

12.1 LANDFILL GAS COLLECTION

Landfill gas is not currently managed at the OLF. A Landfill Gas Generation Assessment Report (LFG Report) was completed for the Site in 2010 in accordance with the MoE Landfill Gas Generation Assessment Procedure Guidelines (CRA, 2009). A Supplemental Landfill Gas Generation Assessment for the Oliver Landfill was completed by GHD in 2018 (GHD, 2018) and Sperling Hansen Associates in 2024.

Based on the findings of the 2024 LFG Report, the estimated methane released from the Oliver Landfill in 2024 was 311 tonnes. As this amount is less than 1000 tonnes per year, the RDOS is not required to submit a Landfill Gas Management Design Plan to the MoE, as per the Landfill Gas Management Regulation, for the Oliver Landfill. Organics diversion has the potential to reduce this estimated amount of methane produced by the landfill.

3. CONCLUSIONS AND RECOMMENDATIONS

13.1 OPERATIONAL CONCLUSIONS

C1 6,520 tonnes of garbage was landfilled in 2025; a 9.7% decrease over 2024.

14.1 OPERATIONAL RECOMMENDATIONS

Based on the progress of activities at the OLF, the following operational recommendations are provided:

R1 - Continue operating the residential organics composting program. The compost should be periodically tested to confirm its quality so the RDOS can determine how best to make the finished soil product available to the public.

R2 – Leachate Management and Infrastructure Planning

Continue operating the Oliver Landfill as a natural control landfill, consistent with current design and regulatory approvals.

Advance design and construction planning for the new leachate pond, with construction targeted for 2026–2027, subject to contractor availability.

R3 – Landfill Operations and Phased Expansion

Continue waste placement in accordance with the 2024 fill plan, with filling advancing westward through the remaining approved footprint.

15.1 ENVIRONMENTAL CONCLUSIONS AND RECOMMENDATIONS

The attached 2025 Environmental Monitoring Report by EcoScape Environmental Consultants Ltd. contains additional Environmental Conclusions and Recommendations in their report.

4. REFERENCES

Conestoga Rovers & Associates (CRA), 2010. Landfill Gas Generation Assessment Report, Oliver Landfill Site, Oliver B.C.

Conestoga Rovers & Associates (CRA), 2010. Operational/Closure Plan for the Oliver Landfill Site, Oliver B.C. Ref No. 049846(04).

GHD Limited (GHD), 2018. Supplemental Landfill Gas Generation Assessment Oliver Landfill, Ref No. 11139565(02).

Sperling Hansen Associates, 2022 Draft. Oliver Landfill Design, Operations and Closure Plan. PRJ20064

Sperling Hansen Associates, 2024. Oliver Landfill Supplementary LFG Report. PRJ 24069

Appendix I – 2024 Environmental Monitoring Report