

October 11, 2023

TO: Members of the Facility & Plan Review Subcommittee
Los Angeles County Solid Waste Management Committee/
Integrated Waste Management Task Force

FROM: Karlo Manalo, Staff (KM)

STAFF REPORT
FINDING OF CONFORMANCE SPRING 2023 SEMIANNUAL WASTE
CHARACTERIZATION STUDIES FOR VARIOUS LANDFILLS

As requested by the Facility and Plan Review Subcommittee, below is the staff report on the Finding of Conformance Waste Characterization Studies and Quarterly Monitoring Reports submitted by the respective landfill facilities:

[Antelope Valley Recycling and Disposal Facility Fall 2023 Semi-Annual Waste Characterization Report](#) dated September 29, 2023. The Waste Characterization Study was conducted during a five-day period, on the week of September 11th. For this period of study, the Landfill sampled approximately 167 tons out of the total incoming waste. Below is the information on the top three materials from the collected sample:

- Organic Materials composed of 63% of the total collected sample for this study period. Compared to Spring 2023 Study, the percentage of Organic Materials was reported at 59%.
- Plastics composed of 24% of the total collected sample. Compared to Spring 2023, the percentage of Plastics was reported at 28%.
- Other Waste including inert solids, household hazardous waste and tires and rubber products composed of 11% of the total collected sample. Compared to Spring 2023, the percentage of Other Waste was reported at 7%.

[Lancaster Landfill & Recycling Facility Fall 2023 Semi-Annual Waste Characterization Report](#) dated September 28, 2023. The Waste Characterization Study was conducted during a five-day period, on the week of September 11th. For this period of study, the Landfill sampled approximately 133 tons out of the total incoming waste. Below is the information on the top three materials from the collected sample:

- Organic Materials composed of 60% of the total collected sample for this study period. Compared to Spring 2023 Study, the percentage of Organic Materials was reported at 40%.
- Plastics composed of 22% of the total collected sample. Compared to Spring 2023, the percentage of Plastics was reported at 52%.
- Special Waste composed of 10% of the total collected sample. Compared to Spring 2023, the percentage of Special Waste was reported at less than 1%.

Chiquita Canyon Landfill 2nd Quarter 2023 Monitoring Report dated July 14, 2023.

- Based on the report, the Chiquita Canyon Landfill disposed of approximately 568,000 tons in the 2nd quarter of 2023. Compared to the 1st quarter of 2023, the disposal tonnage increased by 6% (535,000 tons to 568,000 tons).
- The beneficial reuse material (including diversion and soil) total for the 2nd quarter of 2023 was 83,000 tons. Compared to the 1st quarter of 2023, the beneficial reuse material increased by 22% (68,000 tons to 83,000 tons).

Sunshine Canyon Landfill 2nd Quarter 2023 Monitoring Report dated July 14, 2023.

- Based on the report, the Sunshine Canyon Landfill disposed of approximately 608,000 tons in the 2nd quarter of 2023. Compared to the 1st quarter of 2023, the disposal tonnage increased by 8% (563,000 tons to 608,000 tons).
- The beneficial reuse material (including diversion and soil) total for the 2nd quarter of 2023 was 21,200 tons. Compared to the 1st quarter of 2023, the beneficial reuse material increased by 149% (8,500 tons to 21,200 tons).

Waste Characterization Study Requirement

At the June 15, 2023, Subcommittee meeting, staff presented the information surveyed from the Landfill Operators regarding the sample size used for the waste characterization study and their basis for using such sample size. Based on the information gathered, it is staff's recommendation to the Task Force to require the Landfill Operators to conduct their semi-annual waste characterization study using a minimum sample size of 2 tons of the incoming waste stream destined for disposal over a one-week period during the months of March and September.

Antelope Valley Recycling and Disposal Facility Report based on SB 1383 Definition ¹

Waste Materials	Spring 2023					
	Quantity (Load in Tons)					
	Residential	Commercial	Industrial	Other	Total	%
Corrugated Container	0.0	0.0	0.0		0.0	0.00
Mixed Paper	3.1	3.2	9.9		16.1	9.68
Newspaper	0.0	0.0	0.0		0.0	0.00
High Grade Ledger	0.0	0.0	0.0		0.0	0.00
Other Paper	2.1	8.5	9.9		20.6	12.34
Leaves, Grass, Prunings	3.5	9.1	2.1		14.7	8.79
Food Waste	2.2	1.5	17.6		21.2	12.71
Wood Wastes	7.5	1.6	11.3		20.4	12.21
Agricultural Crop Residues	0	1.1	0		1.1	0.66
Manure	2.6	5.9	0.0		8.5	5.11
Textile & Leather	1.2	0.0	0.5		1.7	1.01
Sewage Sludge	0	0	0		0.0	0.00
Industrial Sludge	0	0	0		0.0	0.00
						62.51
High-Density Polyethylene (HDPE)	0.1	0.0	1.7		1.8	1.06
Polyethylene Terephthalate (PET)	0.0	0.0	0.0		0.0	0.01
Film Plastics	8.1	2.8	1.3		12.1	7.28
Other Plastics	1.2	8.3	16.3		25.8	15.45
						23.80
Refillable Beverage Glass	0.5	0.0	0.0		0.5	0.28
California Redemption Value Glass	0.0	0.0	0.0		0.0	0.00
Other Recyclable Glass	0.0	0.0	0.0		0.0	0.00
Other Non-Recyclable Glass	0.4	0.0	0.0		0.4	0.21
						0.50
Aluminum Cans	0.0	0.0	0.0		0.0	0.01
Bi-Metal Containers & Tin Cans	0.0	0.0	0.0		0.0	0.00
Ferrous Metals	0.0	0.0	0.0		0.0	0.00
Non-Ferrous Metal Include Aluminum	0.1	0.0	3.4		3.5	2.10
White Goods	0.0	0.0	0.0		0.0	0.00
						2.10
Inert Solids (concrete, brick, sand)	0.1	0.0	15.9		16.0	9.60
Household Hazardous Waste (pounds)	1.4	1.1	0.0		2.5	1.48
Tires & Rubber Products	0.0	0.0	0.0		0.0	0.00
						11.08
Ash	0	0	0		0	0.00
Asbestos	0	0	0		0	0.00
Auto Shredder Waste	0	0	0		0	0.00
Auto Bodies	0	0	0		0	0.00
Other Specific Waste	0	0	0.0		0.0	0.00
						0.00
Total	33.9	43.0	89.8	0.0	166.8	100

Percent Difference of The Total Waste Stream

Antelope Valley Recycling and Disposal Facility	Spring '23	Fall '23
Organics	59.17	62.51
Plastics	28.00	23.80
Glass	0.39	0.50
Metals	3.84	2.10
Other Waste	7.04	11.08
Special Waste	1.02	0.00

Lancaster Landfill and Recycling Facility Report based on SB 1383 Definition¹

Waste Materials	Spring 2023					
	Quantity (Load in Tons)					
	Residential	Commercial	Industrial	Other	Total	%
Corrugated Container	4.1	9.8	1.5	0.0	15.4	11.53
Mixed Paper	2.4	1.1	0.7	0.0	4.2	3.16
Newspaper	0.0	0.1	0.0	0.0	0.1	0.09
High Grade Ledger	0.0	0.0	0.0	0.0	0.0	0.00
Other Paper	0.1	0.0	0.1	0.0	0.1	0.11
Leaves, Grass, Prunings	9.5	1.3	0.8	0.0	11.6	8.68
Food Waste	8.9	10.3	0.3	0.0	19.4	14.58
Wood Wastes	1.3	0.5	16.2	0.0	18.0	13.48
Agricultural Crop Residues	0	0	1.02	0.0	1.0	0.76
Manure	0.0	0.0	0.5	0.0	0.5	0.35
Textile & Leather	5.8	4.5	0.0	0.0	10.4	7.77
Sewage Sludge	0	0	0	0.0	0.0	0.00
Industrial Sludge	0	0	0	0.0	0.0	0.00
						60.50
High-Density Polyethylene (HDPE)	1.3	0.6	0.3	0.0	2.2	1.63
Polyethylene Terephthalate (PET)	1.4	1.5	0.9	0.0	3.7	2.78
Film Plastics	6.7	10.5	1.2	0.0	18.3	13.73
Other Plastics	4.4	0.7	0.0	0.0	5.1	3.85
						21.99
Refillable Beverage Glass	0.0	0.0	0.5	0.0	0.5	0.40
California Redemption Value Glass	0.0	0.0	0.0	0.0	0.0	0.00
Other Recyclable Glass	0.0	0.0	0.0	0.0	0.0	0.00
Other Non-Recyclable Glass	0.0	0.0	0.1	0.0	0.1	0.10
						0.49
Aluminum Cans	1.4	0.1	0.0	0.0	1.5	1.14
Bi-Metal Containers & Tin Cans	1.8	1.1	0.0	0.0	3.0	2.23
Ferrous Metals	0.1	0.3	0.6	0.0	1.0	0.77
Non-Ferrous Metal Include Aluminum	0.1	1.1	0.2	0.0	1.5	1.09
White Goods	0.0	0.0	0.1	0.0	0.1	0.11
						5.35
Inert Solids (concrete, brick, sand)	0.0	0.0	0.1	0.0	0.2	0.12
Household Hazardous Waste (pounds)	0.0	0.0	0.0	0.0	0.0	0.00
Tires & Rubber Products	0.0	1.3	0.2	0.0	1.6	1.18
						1.30
Ash	0	0	0	0	0	0.00
Asbestos	0	0	0	0	0	0.00
Auto Shredder Waste	0	0.0	0	0	0.0	0.00
Auto Bodies	0	0	0	0	0	0.00
Other Specific Waste	0.1	1.1	12.6	0	13.8	10.36
						10.36
Total	49.5	46.0	37.9	0.0	133.4	100

Percent Difference of The Total Waste Stream		
Lancaster Landfill and Recycling Facility	Spring '23	Fall '23
Organics	39.63	60.50
Plastics	51.91	21.99
Glass	6.30	0.49
Metals	2.09	5.35
Other Waste	0.00	1.30
Special Waste	0.08	10.36