

November 13, 2024

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

FROM: Dennis Lee, Staff (DL)

**STAFF REPORT
FINDING OF CONFORMANCE FALL 2024 SEMIANNUAL WASTE
CHARACTERIZATION STUDIES AND THIRD QUARTER 2024 MONITORING
REPORTS 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:

[Calabasas Landfill Fall 2024 Semi-Annual Waste Characterization Report](#) dated October 29, 2024. The Waste Characterization Study was conducted during a six-day period, on the week of September 9th. For this study period, the Landfill sampled approximately 114 tons out of the total incoming waste. Below is the information on the top three materials from the collected sample:

- Organic Materials composed of 37% of the total collected sample for this study period. Compared to Spring 2024 Study, the percentage of Organic Materials was reported at 45%.
- Other Waste composed of 54% of the total collected sample. Compared to Spring 2024, the percentage of Other Waste was reported at 41%.
- Plastics composed of 6% of the total collected sample. Compared to Spring 2024, the percentage of Plastics was reported at 8%.

[Chiquita Canyon Landfill Fall 2024 Semi-Annual Waste Characterization Report](#) dated October 15, 2024. The Waste Characterization Study was conducted during a six-day period, on the week of September 23rd. For this study period, the Landfill sampled approximately 7 tons out of the total incoming waste. Below is the information on the top three materials from the collected sample:

- Organic Materials composed of 62% of the total collected sample for this study period. Compared to Spring 2024 Study, the percentage of Organic Materials was reported at 57%.
- Other Waste composed of 21% of the total collected sample. Compared to Spring 2024, the percentage of Other Waste was reported at 28%.
- Plastics composed of 6% of the total collected sample. Compared to Spring 2024, the percentage of Plastics was reported at 5%.

[Sunshine Canyon Landfill Fall 2024 Semi-Annual Waste Characterization Report](#) dated October 30, 2024. The Waste Characterization Study was conducted during a six-day period, on the week of September 16th. For this study period, the Landfill sampled approximately 3 tons out of the total incoming waste. Below is the information on the top three materials from the collected sample:

- Organic Materials composed of 61% of the total collected sample for this study period. Compared to Spring 2024 Study, the percentage of Organic Materials was reported at 57%.
- Other Waste composed of 14% of the total collected sample. Compared to Spring 2024, the percentage of Other Waste was reported at 24%.
- Glass composed of 10% of the total collected sample. Compared to Spring 2024, the percentage of Glass was reported at 5%.

Chiquita Canyon Landfill 3rd Quarter 2024 Monitoring Report dated October 15, 2024.

- Based on the report, the Chiquita Canyon Landfill disposed of approximately 538,000 in the 3rd Quarter of 2024. Compared to the 2nd Quarter of 2024, the disposal tonnage decreased by 4% (561,000 tons to 538,000 tons).
- The beneficial reuse material (including diversion and soil) total for the 3rd Quarter of 2024 was 99,000 tons. Compared to the 2nd Quarter of 2024, the beneficial reuse material decreased by 3% (102,000 tons to 99,000 tons).

Sunshine Canyon Landfill 3rd Quarter 2024 Monitoring Report dated October 15, 2024.

- Based on the report, the Sunshine Canyon Landfill disposed of approximately 631,000 tons in the 3rd quarter of 2024. Compared to the 2nd Quarter of 2024, the disposal tonnage decreased by 3% (652,000 tons to 631,000 tons).
- The beneficial reuse material (including diversion and soil) total for the 3rd quarter of 2024 was 28,000 tons. Compared to the 2nd Quarter of 2024, the beneficial reuse material increased by 56% (18,000 tons to 28,000 tons).

Waste Characterization Study Protocols by Various Landfills

At the October 17, 2024, Subcommittee meeting, members of the Subcommittee requested staff for an update on how landfill operators conduct the waste characterization study at their respective sites. Staff reached out to various landfill operators and was provided the following information:

Semi-Annual Waste Characterization Study Survey					
Fall 2024					
Facility Name	Total Incoming Tonnage	Total Sampled Tonnage	Typical Percentage of Total Incoming Tonnage Used for Study	Basis for Sample Size Used in Study	Study Procedures
Chiquita Canyon Landfill	~ 42,000 Tons	~ 7 Tons	< 1%	CalRecycle Guidelines ¹	<ul style="list-style-type: none"> • 40 samples over two seasons with a minimum weight of 200 pounds per sample • Includes residential, commercial and industrial
Sunshine Canyon Landfill/County Landfill	~ 46,000 Tons	~ 3 Tons	< 1%	CalRecycle Guidelines ¹	<ul style="list-style-type: none"> • 40 samples over two seasons with a minimum weight of 200 pounds per sample • Includes residential, commercial and industrial
Calabasas Landfill	~ 4,300 Tons	114 Tons	~ 2.7%	CalRecycle Guidelines ¹	<ul style="list-style-type: none"> • 30 loads visually-sorted and entirely analyzed • 25 loads hand-sorted and used 200-pound samples • Includes self haul, residential and commercial
Antelope Valley Recycling and Disposal Facility	~ 15,000 Tons	~ 190 Tons	~ 1.3%	Waste Plan Conformance Agreement ²	<ul style="list-style-type: none"> • Five different truck loads per day • Includes WM residential, commercial and industrial, & third party commercial and industrial
Lancaster Landfill and Recycling Facility	~ 4,000 Tons	~ 149 Tons	~ 3.7%	Waste Plan Conformance Agreement ²	<ul style="list-style-type: none"> • Five different truck loads per day • Includes WM residential, commercial and industrial, & third party commercial and industrial

Note:

1. CalRecycle Guideline requires Disposal Facilities for the Nonresidential Sector to conduct a minimum of 40 samples per year, distributed over a minimum of 2 seasons with a minimum sample weight of 200 pounds. This requirement was last updated by CalRecycle on December 30, 2009.

2. Waste Plan Conformance Agreement requires landfills to perform 2 waste characterization events to be conducted in March and September of each year. Waste characterization reports, which shall be filed with the Task Force no later than the 15th of the month following the event, shall be submitted by waste category and waste type. No specific details regarding the sample size for these events are specified in the Agreement

Calabasas Landfill Report based on SB 1383 Definition ¹

Waste Materials	Fall 2024						
	Quantity (Load in Tons)						
	Residential	C&D	Commercial	Industrial	Hand Loads/Other	Total	%
Corrugated Container	17.30	0.00	115.00	0.00	90.30	222.60	5.22
Mixed Paper	17.70	0.00	36.00	0.00	1.00	54.70	1.28
Newspaper	1.00	0.00	0.90	0.00	0.30	2.20	0.05
High Grade Ledger	1.10	0.00	2.70	0.00	0.50	4.30	0.10
Other Paper	34.20	0.00	41.20	0.00	1.80	77.20	1.81
Leaves, Grass, Prunings	114.50	0.00	68.70	0.00	161.90	345.10	8.09
Food Waste	63.90	0.00	61.60	0.00	0.00	125.50	2.94
Wood Wastes	59.40	0.00	77.60	0.00	519.20	656.20	15.37
Agricultural Crop Residues	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manure	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textile & Leather	57.50	0.00	7.70	0.00	21.00	86.20	2.02
Sewage Sludge	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sludge	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							36.88
High-Density Polyethylene (HDPE)	1.30	0.00	4.30	0.00	1.10	6.70	0.16
Polyethylene Terephthalate (PET)	5.10	0.00	4.00	0.00	0.50	9.60	0.22
Film Plastics	15.40	0.00	78.90	0.00	54.70	149.00	3.49
Other Plastics	32.10	0.00	29.90	0.00	42.70	104.70	2.45
							6.33
Refillable Beverage Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00
California Redemption Value Glass	3.50	0.00	1.80	0.00	0.10	5.40	0.13
Other Recyclable Glass	8.10	0.00	0.20	0.00	7.20	15.50	0.36
Other Non-Recyclable Glass	1.10	0.00	1.30	0.00	6.50	8.90	0.21
							0.70
Aluminum Cans	1.90	0.00	0.70	0.00	0.00	2.60	0.06
Bi-Metal Containers & Tin Cans	1.20	0.00	2.00	0.00	0.00	3.20	0.07
Ferrous Metals	8.50	0.00	6.20	0.00	56.90	71.60	1.68
Non-Ferrous Metal Include Aluminum	2.10	0.00	1.00	0.00	0.20	3.30	0.08
White Goods	0.00	0.00	0.00	0.00	1.90	1.90	0.04
							1.94
Inert Solids (concrete, brick, sand)	30.40	0.00	397.00	0.00	1559.60	1987.00	46.55
Household Hazardous Waste (pounds)	4.70	0.00	0.10	0.00	3.00	7.80	0.18
Tires & Rubber Products	6.20	0.00	1.30	0.00	0.00	7.50	0.18
Mixed Residue	67.00	0.00	44.50	0.00	198.00	309.50	7.25
							54.16
Ash	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asbestos	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Auto Shredder Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Auto Bodies	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Specific Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0.00
Total	555.20	0.00	984.60	0.00	2728.40	4268.20	100

Percent Difference of the Total Waste Stream

Calabasas Landfill	Spring '24	Fall '24
Organics	45.46	36.88
Plastics	8.13	6.33
Glass	1.06	0.70
Metals	3.9	1.94
Other Waste	41.41	54.16
Special Waste	0.00	0.00

Chiquita Canyon Landfill Report based on SB 1383 Definition¹

Waste Materials	Fall 2024						
	Quantity (Load in Tons)						
	Residential	Commercial	Industrial	Other	Total	%	
Corrugated Container	86.6	458.2	57.5	0.9	603.2	1.44	
Mixed Paper	180.1	523.3	0.0	0.0	703.4	1.68	
Newspaper	78.8	340.3	0.0	0.0	419.1	1.00	
High Grade Ledger	42.3	305.7	0.0	0.0	348.0	0.83	
Other Paper	1740.7	4570.9	349.7	0.0	6661.3	15.90	
Leaves, Grass, Prunings	636.4	1425.9	0.0	0.3	2062.6	4.92	
Food Waste	1620.3	4656.5	1688.7	0.0	7965.5	19.02	
Wood Wastes	583.1	2018.7	758.5	3.0	3363.3	8.03	
Agricultural Crop Residues	0.0	0.0	0.0	0.0	0.0	0.00	
Manure	8.4	195.5	0.0	0.0	203.9	0.49	
Textile & Leather	861.2	2138.9	769.3	0.0	3769.4	9.00	
Sewage Sludge	0.0	0.0	0.0	0.0	0.0	0.00	
Industrial Sludge	0.0	0.0	0.0	0.0	0.0	0.00	
						62.31	
High-Density Polyethylene (HDPE)	30.3	169.4	48.1	0.2	248.0	0.59	
Polyethylene Terephthalate (PET)	96.5	276.6	21.5	0.0	394.6	0.94	
Film Plastics	162.0	464.4	72.5	0.3	699.2	1.67	
Other Plastics	365.7	643.6	34.5	1.1	1044.9	2.49	
						5.70	
Refillable Beverage Glass	0.0	0.0	0.0	0.0	0.0	0.00	
California Redemption Value Glass	0.0	472.9	0.0	0.0	472.9	1.13	
Other Recyclable Glass	410.9	683.7	0.0	0.0	1094.6	2.61	
Other Non-Recyclable Glass	174.9	591.6	0.0	8.3	774.8	1.85	
						5.59	
Aluminum Cans	57.4	152.6	0.0	0.0	210.0	0.50	
Bi-Metal Containers & Tin Cans	194.1	348.3	85.7	0.0	628.1	1.50	
Ferrous Metals	4.0	883.7	0.0	0.0	887.7	2.12	
Non-Ferrous Metal Include Aluminum	121.1	292.3	54.3	0.0	467.7	1.12	
White Goods	0.0	0.0	0.0	0.0	0.0	0.00	
						5.24	
Inert Solids (concrete, brick, sand)	343.1	2601.0	827.1	295.1	4066.3	9.71	
Household Hazardous Waste (pounds)	768.7	2048.3	903.0	0.0	3720.0	8.88	
Tires & Rubber Products	110.3	777.0	189.7	0.0	1077.0	2.57	
						21.16	
Ash	0.0	0.0	0.0	0.0	0	0.00	
Asbestos	0.0	0.0	0.0	0.0	0	0.00	
Auto Shredder Waste	0.0	0.0	0.0	0.0	0	0.00	
Auto Bodies	0.0	0.0	0.0	0.0	0	0.00	
Other Specific Waste	0.0	0.0	0.0	0.0	0	0.00	
						0.00	
Total	8,676.90	27,039.30	5,860.10	309.20	41,885.50	100	

Percent Difference of The Total Waste Stream		
Chiquita Canyon Landfill	Spring '24	Fall '24
Organics	57.39	62.31
Plastics	5.22	5.70
Glass	3.51	5.59
Metals	5.74	5.24
Other Waste	28.14	21.16
Special Waste	0.00	0.00

Sunshine Canyon City/County Landfill Report based on SB 1383 Definition ¹

Waste Materials	Spring 2024					
	Quantity (Load in Tons)					
	Residential	Commercial	Industrial	Other	Total	%
Corrugated Container	411.5	553.8	97.1	0.0	1062.4	2.29
Mixed Paper	516.7	144.0	59.9	0.0	720.6	1.55
Newspaper	423.4	146.0	0.0	0.0	569.4	1.23
High Grade Ledger	245.4	28.2	114.6	0.0	388.2	0.84
Other Paper	3886.5	1371.8	219.5	0.0	5477.8	11.80
Leaves, Grass, Prunings	677.9	765.1	0.0	317.4	1760.4	3.79
Food Waste	5290.9	1754.5	472.3	0.0	7517.7	16.20
Wood Wastes	1250.7	1071.8	0.0	174.6	2497.1	5.38
Agricultural Crop Residues	0.0	0.0	0.0	0.0	0.0	0.00
Manure	124.7	198.9	0.0	0.0	323.6	0.70
Textile & Leather	6199.6	1273.1	704.8	0.0	8177.5	17.62
Sewage Sludge	0.0	0.0	0.0	0.0	0.0	0.00
Industrial Sludge	0.0	0.0	0.0	0.0	0.0	0.00
						61.39
High-Density Polyethylene (HDPE)	148.3	115.6	29.0	0.0	292.9	0.63
Polyethylene Terephthalate (PET)	316.2	85.2	13.0	0.0	414.4	0.89
Film Plastics	445.6	167.5	111.3	0.0	724.4	1.56
Other Plastics	882.1	457.3	59.5	0.0	1398.9	3.01
						6.10
Refillable Beverage Glass	0.0	0.0	0.0	0.0	0.0	0.00
California Redemption Value Glass	785.2	167.9	0.0	0.0	953.1	2.05
Other Recyclable Glass	609.7	63.2	0.0	0.0	672.9	1.45
Other Non-Recyclable Glass	476.1	1036.4	1648.5	0.0	3161.0	6.81
						10.31
Aluminum Cans	151.7	75.2	3.9	0.0	230.8	0.50
Bi-Metal Containers & Tin Cans	616.4	256.4	129.4	0.0	1002.2	2.16
Ferrous Metals	1220.6	615.3	182.8	0.0	2018.7	4.35
Non-Ferrous Metal Include Aluminum	557.8	114.0	33.4	0.0	705.2	1.52
White Goods	0.0	0.0	0.0	0.0	0.0	0.00
						8.53
Inert Solids (concrete, brick, sand)	355.3	1069.8	0.0	0.0	1425.1	3.07
Household Hazardous Waste (pounds)	1270.4	2082.0	795.9	0.0	4148.3	8.94
Tires & Rubber Products	539.9	129.8	101.3	0.0	771.0	1.66
						13.67
Ash	0.0	0.0	0.0	0.0	0.0	0.00
Asbestos	0.0	0.0	0.0	0.0	0.0	0.00
Auto Shredder Waste	0.0	0.0	0.0	0.0	0.0	0.00
Auto Bodies	0.0	0.0	0.0	0.0	0.0	0.00
Other Specific Waste	0.0	0.0	0.0	0.0	0.0	0.00
						0.00
Total	27,402.6	13,742.8	4,776.2	492.0	46,413.6	100

Percent Difference of The Total Waste Stream		
Sunshine Canyon City/County Landfill	Spring '24	Fall '24
Organics	57.15	61.39
Plastics	4.86	6.10
Glass	4.69	10.31
Metals	8.45	8.53
Other Waste	23.79	13.67
Special Waste	1.06	0.00