

October 13, 2022

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

FROM: Ramon Herman, Staff (RH)

STAFF REPORT

FALL 2022 SEMI ANNUAL WASTE CHARACTERIZATION STUDIES FOR VARIOUS LANDFILLS

As requested by the Facility and Plan Review Subcommittee, below is the staff report on the Waste Characterization Study submitted by the respective landfill facilities:

Fall 2022 Semi Annual Spring Waste Characterization for Antelope Valley Recycling and Disposal Facility dated October 5, 2022 (**See Attachment A**). The Waste Characterization Study was conducted during a six-day period, on the week of September 19th. For this period of study, the Landfill sampled approximately 190 tons out of the total incoming waste. Below are information on the top three materials from the collected sample:

- Organic materials composed of **46%** of the total collected sample for this study period. Compared to Spring 2022 Study, the percentage of organics was reported at **74%**.
- Plastics composed of **35%** of the total collected sample. Compared to Spring 2022, the percentage of plastics was reported at **17%**.
- Other Waste including inert solids, household hazardous waste and tires and rubber products composed of **16%** of the total collected sample. Compared to Spring 2022, the percentage of these wastes was reported at **3%**.

Fall 2022 Semi Annual Spring Waste Characterization for Lancaster Landfill & Recycling Facility dated October 5, 2022 (**See Attachment B**). The Waste Characterization Study was conducted during a six-day period, on the week of September 19th. For this period of study, the Landfill sampled approximately 130 tons out of the total incoming waste. Below are information on the top three materials from the collected sample:

- Organic materials composed of **39%** of the total collected sample for this study period. Compared to Spring 2022 Study, the percentage of organics was reported at **56%**.
- Plastics composed of **58%** of the total collected sample. Compared to Spring 2022, the percentage of plastics was reported at **34%**.
- Metals composed of **2%** of the total collected sample. Compared to Spring 2022, the percentage of metals was reported at **1%**.

NOTE: By design, the Waste Characterization study only provide a "snap-shot" of the composition of the waste stream during the study period. As such, it may not accurately depict of the overall waste stream composition for the respective facility.

Antelope Valley Recycling and Disposal Facility Report based on SB 1383 Definition ¹							
Waste Type	Waste Materials	Fall 2022					
		Quantity (Load in Tons)					
		Residential	Commercial	Industrial	Other	Total	%
Organics	Corrugated Container	8.1	7.1	2.6	0.0	17.8	9.35
	Mixed Paper	3.4	9.1	0.3	0.0	12.7	6.68
	Newspaper	3.0	1.3	1.0	0.0	5.2	2.75
	High Grage Ledger	0.0	0.0	0.0	0.0	0.0	0.00
	Other Paper	3.6	0.8	0.9	0.0	5.3	2.78
	Leaves, Grass, Prunings	6.0	1.1	5.1	0.0	12.1	6.37
	Food Waste	2.7	6.5	1.8	0.0	10.9	5.73
	Wood Wastes	2.8	0.6	17.6	0.0	20.9	11.00
	Agricultural Crop Residues	0.3	0.0	0.0	0.0	0.3	0.15
	Manure	0	0	0.01	0	0.01	0.01
	Textile & Leather	0.1	0.1	0.8	0	0.9	0.93
	Sewage Sludge	0	0	0	0	0	0.00
	Industrial Sludge	0	0	0	0	0	0.00
							45.75
Plastics	High-Density Polyethylene (HDPE)	0.0	0.3	0.4	0.0	0.7	0.38
	Polyethylene Terephthalate (PET)	0.8	7.1	4.6	0.0	12.5	6.55
	Film Plastics	21.9	4.7	15.4	0.0	42.0	22.07
	Other Plastics	0.5	7.8	2.3	0.0	10.5	5.52
							34.52
Glass	Refillable Beverage Glass	1.3	0.0	0.02	0.0	1.3	0.70
	California Redemption Value Glass	0.0	0.0	0.03	0.0	0.03	0.02
	Other Recyclable Glass	0.1	0.1	0.1	0.0	0.3	0.14
	Other Non-Recyclable Glass	0.0	1.0	0.0	0.0	1.0	0.53
							1.38
Metals	Aluminum Cans	2.4	0.1	0.0	0.0	2.4	1.27
	Bi-Metal Containers & Tin Cans	0.5	0.1	0.1	0.0	0.7	0.35
	Ferrous Metals	0.1	0.3	1.6	0.0	2.0	1.05
	Non-Ferrous Metal Include Aluminum	0.0	0.0	1.0	0.0	1.0	0.52
	White Goods	0.0	0.0	0.0	0.0	0.0	0.00
							3.19
Other Waste	Inert Solids (concrete, brick, sand)	2.9	0.0	26.7	0.0	29.6	15.54
	Household Hazardous Waste (pounds)	0.0	0.0	0.0	0.0	0.0	0.00
	Tires & Rubber Products	0.0	0.0	0.1	0.0	0.1	0.05
							15.59
Special Waste	Ash	0	0	0	0	0	0.00
	Asbestos	0	0	0	0	0	0.00
	Auto Shredder Waste	0	0	0	0	0	0.00
	Auto Bodies	0	0	0	0	0	0.00
	Other Specific Waste	0	0	0	0	0	0.00
							0.00
	Total	60.3	48.0	82.2	0.0	190.5	100

Percent Difference of The Total Waste Stream		
Antelope Valley Recycling and Disposal Facility	Spring '22	Fall '22
Organics	74.44	45.75
Plastics	16.36	34.52
Glass	2.09	1.38
Metals	4.05	3.19
Other Waste	3.24	15.59
Special Waste	0.00	0.00

Lancaster Landfill & Recycling Center Report based on SB 1383 Definition¹

Waste Type	Waste Materials	Fall 2022					
		Quantity (Load in Tons)					
		Residential	Commercial	Industrial	Other	Total	%
Organics	Corrugated Container	0.1	0.0	0.0	0.0	0.1	0.06
	Mixed Paper	2.1	3.8	0.1	0.0	6.1	4.66
	Newspaper	0.0	2.4	0.0	0.0	2.4	1.82
	High Grade Ledger	0.7	1.2	3.5	0.0	5.4	4.18
	Other Paper	2.9	0.0	0.2	0.0	3.0	2.34
	Leaves, Grass, Prunings	0.0	0.0	1.8	0.0	1.8	1.39
	Food Waste	8.7	9.0	0.7	0.0	18.4	14.17
	Wood Wastes	4.2	0.0	7.9	0.0	12.1	9.32
	Agricultural Crop Residues	0	0	0	0.0	0.0	0.00
	Manure	0.0	0.0	0.0	0.0	0.0	0.00
	Textile & Leather	1.1	0.5	0.1	0.0	1.7	1.32
	Sewage Sludge	0	0	0	0.0	0.0	0.00
	Industrial Sludge	0	0	0	0.0	0.0	0.00
							39.26
Plastics	High-Density Polyethylene (HDPE)	3.9	5.8	2.1	0.0	11.8	9.08
	Polyethylene Terephthalate (PET)	12.3	5.2	2.5	0.0	19.9	15.34
	Film Plastics	20.2	14.2	6.1	0.0	40.5	31.13
	Other Plastics	2.7	0.0	0.2	0.0	2.9	2.22
							57.77
Glass	Refillable Beverage Glass	0.2	0.0	0.0	0.0	0.2	0.14
	California Redemption Value Glass	0.0	0.0	0.2	0.0	0.2	0.14
	Other Recyclable Glass	0.0	0.0	0.0	0.0	0.0	0.00
	Other Non-Recyclable Glass	0.0	0.0	0.0	0.0	0.0	0.00
							0.29
Metals	Aluminum Cans	0.0	0.0	0.0	0.0	0.0	0.00
	Bi-Metal Containers & Tin Cans	0.0	0.0	0.0	0.0	0.0	0.00
	Ferrous Metals	0.2	0.0	0.0	0.0	0.2	0.18
	Non-Ferrous Metal Include Aluminum	0.0	0.0	1.9	0.0	1.9	1.46
	White Goods	0.0	0.0	0.0	0.0	0.0	0.00
							1.65
Other Waste	Inert Solids (concrete, brick, sand)	0.5	0.0	0.8	0.0	1.2	0.96
	Household Hazardous Waste (pounds)	0.0	0.0	0.0	0.0	0.0	0.00
	Tires & Rubber Products	0.0	0.0	0.0	0.0	0.0	0.00
							0.96
Special Waste	Ash	0	0	0	0	0	0.00
	Asbestos	0	0	0	0	0	0.00
	Auto Shredder Waste	0	0	0	0	0	0.00
	Auto Bodies	0	0	0	0	0	0.00
	Other Specific Waste	0.1131	0	0	0	0.1131	0.00
							0.00
	Total	59.9	42.1	28.0	0.0	130.0	100

Percent Difference of The Total Waste Stream		
Lancaster Landfill & Recycling Center	Spring '22	Fall '22
Organics	56.36	39.26
Plastics	33.67	57.77
Glass	0.49	0.29
Metals	1.22	1.65
Other Waste	8.44	0.96
Special Waste	0	0

Supplemental Information

Staff categorized the different landfills waste characterization from the operator's report based on CalRecycle's definition of organic waste. ¹According to Calrecycle (SB-1383), the definition of organic waste is any solid wastes containing material originated from living organisms and their metabolic waste products, including but not limited to food, green material, landscape and pruning waste, organic textiles and carpets, lumber, wood, paper products, printing and writing paper, manure, biosolids, digestate, and sludges. (Source: Proposed Short-lived Climate Pollutants (SLCP): Organic Waste Reductions Regulations)

ATTACHMENT A

Fall 2022 Semi Annual Spring Waste Characterization for
Antelope Valley Recycling and Disposal Facility dated
October 5, 2022



Waste Management of Antelope Valley
1200 W. City Ranch Rd.
Palmdale, CA 93551
(661) 223-3427

October 5, 2022

Margaret Clark
Los Angeles County Integrated Solid Waste Management Task Force
c/o Los Angeles County Department of Public Works
900 South Fremont Ave
Alhambra, California 91803

**RE: 2022 Fall Semi-Annual Waste Characterization Report for Waste Management
Antelope Valley Recycling and Disposal Facility**

Dear Ms. Clark:

Per condition 14 of the Finding of Conformance, referencing citation 10 of Exhibit "B" of the Waste Plan Conformance Agreement adopted 10/11/05 by the Los Angeles County Board of Supervisors, Waste Management presents the following waste characterization report for the Fall 2022 period.

Should you have any concerns or questions, please contact me at (818) 482-8676.

Sincerely,

Jordan Kingsbury
Environmental Protection Specialist
Waste Management – AVRDF

COMPANY NAME Antelope Valley Public Landfill
 ADDRESS 1200 W. City Ranch Rd, Palmdale, CA
 PHONE NUMBER (818) 482-8676
 CONTACT PERSON Jordan Kingsbury

ANTELOPE VALLEY LANDFILL WASTE PLAN CONFORMANCE AGREEMENT
 EXHIBIT B - WASTE DIVERSION AND RECYCLING PROGRAMS
 SEMI-ANNUAL SOLID WASTE CHARACTERIZATION FORM

NUMBER OF OPERATING DAYS/WEEK 6
 REPORTING WEEK September 19-24, 2022

Category	Material Type	Quantity (% of Load)				
		Residential	Commercial	Industrial	Other	Total
Paper	Corrugated Containers	8.0645	7.1115	2.6385		17.8145
	Mixed Paper	3.3695	9.082	0.2693		12.7208
	Newspaper	3.0205	1.2715	0.9505		5.2425
	High Grade Ledger	0	0	0		0
	Other Paper	3.6405	0.754	0.9073		5.3018
Plastics	High-Density Polyethylene (HDPE)	0.0454	0.3016	0.3798		0.7268
	Polyethylene Terephthalate (PET)	0.8035	7.11	4.5607		12.4742
	Film Plastics	21.939	4.734	15.3699		42.0429
	Other Plastics	0.4702	7.7885	2.2569		10.5156
Glass	Refillable Beverage Glass	1.303	0	0.0232		1.3262
	California Redemption Value Glass	0	0	0.0348		0.0348
	Other Recyclable Glass	0.0681	0.1346	0.058		0.2607
	Other Non-Recyclable Glass	0	1.0166	0		1.0166
Metals	Aluminum Cans	2.351	0.0673	0		2.4183
	Bi-Metal Containers & Tin Cans	0.4745	0.1346	0.058		0.6671
	Ferrous Metals	0.0975	0.2854	1.6173		2.0002
	Non-Ferrous Metals includ. Aluminum	0.0478	0	0.952		0.9998
	White Goods	0	0	0		0
Yard Waste	Leaves, Grass, Prunings	5.968	1.1014	5.075		12.1444
Other Organics	Food Waste	2.6514	6.4876	1.785		10.924
	Tires & Rubber Products	0	0	0.095		0.095
	Wood Wastes	2.7584	0.5521	17.639		20.9495
	Agricultural Crop Residues	0.28	0	0		0.28
	Manure	0	0	0.0116		0.0116
	Textile & Leather	0.0912	0.0673	0.788		0.9465
Other Waste	Inert Solids (concrete, brick, sand)	2.876	0	26.7202		29.5962
	Household Hazardous Waste (pounds)	0	0	0		0
Special Waste	Ash	0	0	0		0
	Sewage Sludge	0	0	0		0
	Industrial Sludge	0	0	0		0
	Asbestos	0	0	0		0
	Auto Shredder Waste	0	0	0		0
	Auto Bodies	0	0	0		0
	Other Specific Waste	0	0	0		0
TOTAL		60.32	48	82.19	0	190.51

Total loads for M-S = 2,128
 30 Loads surveyed represents approx. 1 in 71 loads (1.4%)
 Waste Char numbers to be multiplied by 71 for each column and each row to represent the entire MSW waste stream
 Total tons this week 15,454 tons

ATTACHMENT B

Fall 2022 Semi Annual Spring Waste Characterization for
Lancaster Landfill & Recycling Facility dated
October 5, 2022



**LANCASTER LANDFILL
& RECYCLING CENTER**
600 East Avenue F
Lancaster, CA 93535
(661) 726-3468

October 5, 2022

Margaret Clark
Los Angeles County Integrated Solid Waste Management Task Force
c/o Los Angeles County Department of Public Works
900 South Fremont Ave
Alhambra, California 91803

**RE: Fall 2022 Semi-Annual Waste Characterization Report for Waste Management
Lancaster Landfill and Recycling Facility**

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Should you have any concerns or questions, please contact me at (818) 482-8676.

Sincerely,

A handwritten signature in blue ink, reading "Jordan Kingsbury".

Jordan Kingsbury
Environmental Protection Specialist
Waste Management – LLRC

COMPANY NAME Lancaster Landfill & Recycling Center
ADDRESS 600 E Ave F, Lancaster, CA 93535

LANCASTER LANDFILL WASTE PLAN CONFORMANCE AGREEMENT
EXHIBIT B - WASTE DIVERSION AND RECYCLING PROGRAMS
SEMI-ANNUAL SOLID WASTE CHARACTERIZATION FORM

PHONE NUMBER 818-482-8676
CONTACT PERSON Jordan Kingsbury

NUMBER OF OPERATING DAYS/WEEK 6
REPORTING WEEK September 19-23, 2022

Category	Material Type	Quantity (% of Load)				
		Residential	Commercial	Industrial	Other	Total
Paper	Corrugated Containers	0.082	0	0		0.082
	Mixed Paper	2.088	3.8375	0.133		6.0585
	Newspaper	0	2.365	0		2.365
	High Grade Ledger	0.732	1.198	3.504		5.434
	Other Paper	2.8575	0	0.186		3.0435
Plastics	High-Density Polyethylene (HDPE)	3.9145	5.789	2.0945		11.798
	Polyethylene Terephthalate (PET)	12.265	5.162	2.51		19.937
	Film Plastics	20.179	14.236	6.057		40.472
	Other Plastics	2.7325	0	0.1525		2.885
Glass	Refillable Beverage Glass	0.185	0	0		0.185
	California Redemption Value Glass	0	0	0.186		0.186
	Other Recyclable Glass	0	0	0		0
	Other Non-Recyclable Glass	0	0	0		0
Metals	Aluminum Cans	0	0	0		0
	Bi-Metal Containers & Tin Cans	0	0	0		0
	Ferrous Metals	0.2378	0	0		0.2378
	Non-Ferrous Metals includ. Aluminum	0	0	1.901		1.901
	White Goods	0	0	0		0
Yard Waste	Leaves, Grass, Prunings	0.0082	0	1.795		1.8032
Other Organics	Food Waste	8.6959	8.9995	0.718		18.4134
	Tires & Ruber Products	0	0	0		0
	Wood Wastes	4.201	0	7.911		12.112
	Agricultural Crop Residues	0	0	0		0
	Manure	0	0	0		0
	Textile & Leather	1.131	0.533	0.057		1.721
Other Waste	Inert Solids (concrete, brick, sand)	0.4575	0	0.785		1.2425
	Household Hazardous Waste (pounds)	0	0	0		0
Special Waste	Ash	0	0	0		0
	Sewage Sludge	0	0	0		0
	Industrial Sludge	0	0	0		0
	Asbestos	0	0	0		0
	Auto Shredder Waste	0	0	0		0
	Auto Bodies	0	0	0		0
	Other Specific Waste	0.1131	0	0		0.1131
	TOTAL	59.88	42.12	27.99	0	129.99

Total loads for M-F = 629
25 Loads surveyed represents approx. 1 in 25 loads (4%)
Waste Char numbers to be multiplied by 25 for each column and each row to represent the entire MSW waste stream
Total tons this week 2,305 tons