

December 22, 2006

ALRRF - Community Monitor Committee
City of Livermore, Public Services Department
3500 Robertson Park Road
Livermore, CA 94550

Subject: ALRRF Community Monitor Progress Report No. 11

Dear Community Monitor Committee:

Attached is the report of the August 30, September 21 and November 20, and December 11, 2006 landfill inspections and other activities conducted by TechLaw since the Altamont Landfill Community Monitor Report No. 10, dated August 9, 2006.

Please feel free to call me at (415) 281-8730 or email me at rbaradaran@techlawinc.com or Karla Brasaemle at kbrasaemle@techlawinc.com if you have any questions or concerns regarding this Report. We look forward to the opportunity to continue providing technical support to the Community Monitor Committee.

Sincerely,

Reza Baradaran, P.E.
Project Manager

WP:RB:KB

**ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY
COMMUNITY MONITOR PROGRESS REPORT NO.11**

Prepared For:

**Community Monitor Committee
Altamont Landfill Settlement Agreement
City of Livermore Public Services Department
3500 Robertson Park Road
Livermore, California 94550**

Prepared By:

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December 22, 2006

ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY
COMMUNITY MONITOR PROGRESS REPORT NO. 11

LANDFILL INSPECTION 8/30/06

Conducted by Techlaw employees,
Reza Baradaran, Civil Engineer
Tommy Poole, Geologist

DOCUMENTS REVIEWED

MONTHLY TONNAGE REPORTS FOR July, 2006

The average total daily disposal quantity is well within the 11,500 tons per day permitted maximum and the 7,000 tons per day settlement agreement limit. The monthly tonnage reports include the type, source, and quantity of alternate daily cover (ADC) materials received at ALRRF, as required by the settlement agreement.

Tonnage Report, July 2006

Monthly tonnage report for July 2006 (report dated 08/10/2006) was reviewed. Total tonnage for July was 145181.21 tons (7715 loads)

	Loads	Tons
InterCompany Only	3,360	57,326.01
Public Only	4,355	87,855.20
TOTAL	7,715	145,181.21
Non-Franchise ADC	2,976	66,239.47
Disposal	4,193	71,627.63
Non-Franchise Non App	320	4,662.49
Non-Franchise, Outbound	132	2,197.12
Non-Franchise Recycle	94	454.50
TOTAL	7,715	145,181.21

DOCUMENTATION MAINTAINED AT LANDFILL

Asbestos Daily Records 7/1/06 to 7/31/06

The only issue noted in the asbestos daily records is that the fence has been under construction throughout this period. A temporary fence is in place.

Total Friable Asbestos reported as 330.99 tons for July 2006.

All documentation was reviewed during the inspection on August 30, 2006

Load Check Report for July/August 2006:

No unacceptable waste was found

7/24/2006 CRT (Cathodes Ray Tubes) /TV removed from waste; waiting for proper disposal

7/26/2006 TV removed from waste; waiting or proper disposal

7/28/2006 Tires removed from waste

8/09/2006 2 cans of waste oil removed from waste

3 cylinder of propane gas removed from waste

One bottle of liquid Plumber removed from waste

8/11/2006 TV removed from waste

Local Enforcement Agent (LEA, Karen Moroz) Reports for July 2006:

No violations were observed.

The LEA inspects the landfill weekly, and submits her reports monthly. Most violations are not reported, since they are generally addressed by Waste Management before the next weekly inspection, if not immediately.

VOC Laden Soil Reports (8/1/06 through 8/31/06)

The total VOC laden soil received in July was 1,800.72 tons. The total carbon was calculated to be 17.08 pounds with maximum daily rate of less than 4 pounds (well below 15 pounds allowable daily limit).

OBSERVATION OF ENVIRONMENTAL CONTROLS

All observations of environmental controls were made during the inspection on August 30, 2006.

Litter

Windblown litter along the 3-mile stretch east and west of the Altamont Landfill entrance was observed to be minimal.

Dust

Dust plumes were observed on the Landfill Roads only.

Vectors

Few birds (Seagulls and crows) present at site.

Odors

There were strong odors downwind of stockpiled green waste.

TRUCK TRAFFIC

Time	Waste Management	SFRD *	3 rd Party	Total
6:45 A.M. to 7:45 A.M.	13	6	7	26
7:45 A.M. to 8:45 A.M.	10	7	2	19

*San Francisco Recycling and Disposal.

TOUR OF THE LANDFILL WITH WM ENVIRONMENTAL COMPLIANCE SPECIALIST
(Teresa Dominique, Neal Wise and LEA, Karen Moroz)

- Observed tipping at the Public Area; no unauthorized waste observed.
- Observed the tippers in operation.
- Observed Solidification Pond; no discharge was apparent.
- Picked through Construction and Demolition Waste; one electronic equipment (old radio) removed from the waste.
- Observed the asbestos area

Special Occurrences Log

August 10, 2006 - 6:30 PM

Small fire in the main garbage on west side of tippers; couple of mattresses were on fire and brought under control immediately.

August 28, 2006 - 5:00 PM

Three relatively large size fire started simultaneously at the NE section of facility at C&D/Green Waste disposal area. Effort to extinguished the fire with spraying with water and covering with soil lasted till 11:00 PM. Affected area was capped with soil (BayMud) by 2:00 AM the following day. No report for this fire was logged at time of our visit.

LANDFILL INSPECTION 9/21/06

Conducted by TechLaw Employees,
Reza Baradaran, Civil Engineer
Tommy Poole, Geologist

MONTHLY TONNAGE REPORTS FOR August, 2006

The average total daily disposal quantity is well within the 11,500 tons per day permitted maximum and the 7,000 tons per day settlement agreement limit. The monthly tonnage reports include the type, source, and quantity of alternate daily cover (ADC) materials received at ALRRF, as required by the settlement agreement.

Tonnage Report, August 2006

Monthly tonnage report for August 2006 (report dated 09/13/2006) was reviewed. Total tonnage for July was 239,625.20 tons (9,469 loads)

	Loads	Tons
C&D	252	550.08
MSW	743	119,334.88
	1894	0
Special Waste	1,580	22,110.45
SUBTOTAL	4,469	141,995.41
Re-Directed Waste, RDW Shipped outside or Recycled/Reuse	1,100	6,378.50
Revenue Generating Cover, RGC	3,900	91,251.29
TOTAL	9,469	239,625.20

DOCUMENTATION MAINTAINED AT LANDFILL

Asbestos Daily Records 8/1/06 to 8/30/06

The only issue noted in the asbestos daily records is that the fence has been under construction throughout this period. A temporary fence is in place.

Total Friable Asbestos reported as 316.99 tons for August 2006.

VOC Laden Soil Reports

The total VOC laden soil received in August was 9,412.72 tons. The total carbon was calculated to be 90.30 pounds with maximum daily rate of less than 10 pounds (well below 15 pounds allowable daily limit).

OBSERVATION OF ENVIRONMENTAL CONTROLS

Litter

Litter was being blown from the Public Area due to unpredicted, strong northerly winds. Litter fences and litter pickers appeared to be adequately containing litter to disposal areas, since very little litter was observed elsewhere on the Landfill. Small pieces of litter were prevalent along Altamont Pass Road west of the Landfill, and in some areas litter appears to have been blown onto property adjacent to the road. One cardboard box and a few large pieces of plastic were also observed on the road west of the landfill. Very little litter was observed east of the Landfill, and the large debris observed during TechLaw's May 24 inspection had been removed, with the exception of one tire.

Dust

Very negligible dust plumes were observed.

Vectors

Birds (Seagulls and crows) were present in significant number for the first time this season.

Cover

The daily and intermediate cover appears to be in compliance with Title 27 requirements; no waste is exposed except in areas prepared for disposal; the working faces are kept to a minimum exposed area, compaction appears adequate.

Observed recovery of final cover soil. Final cover removed for more waste disposal.

Odors

Odors downwind of stockpiled green waste was negligible.

TRUCK TRAFFIC

Time	Waste Management	SFRD*	3 rd Party	Total
6:45 A.M. to 7:45 A.M.	12	5		17
7:45 A.M. to 8:45 A.M.	22	5	7	34

*San Francisco Recycling and Disposal.

TOUR OF THE LANDFILL WITH WM ENVIRONMENTAL COMPLIANCE SPECIALIST
(TERESA DOMINIQUE, Neal Wise)

- Observed tipping at the Public Area; no unauthorized waste observed.
- Observed the tippers in operation.
- Observed Solidification Pond; no discharge was apparent.
- Picked through Construction and Demolition Waste; one monitor and several one gallon cans of unsolidified paint were removed from the waste.

Special Occurrences Log

Fire on August 29,2006 ignited by spontaneous combustion in the Green Waste Stockpile.

Notice of Violation Record - BAAQMD

None since last inspection.

Local Enforcement Agent (LEA) Reports

Report was not available.

LANDFILL INSPECTION 11/20/06

Conducted by TechLaw Employees,
Reza Baradaran, Civil Engineer
Tommy Poole, Geologist

MONTHLY TONNAGE REPORTS FOR September, 2006

The average total daily disposal quantity is well within the 11,500 tons per day permitted maximum and the 7,000 tons per day settlement agreement limit. The monthly tonnage reports include the type, source, and quantity of alternate daily cover (ADC) materials received at ALRRF, as required by the settlement agreement.

Tonnage Report, September 2006

Monthly tonnage report for September 2006 (report dated 10/11/2006) was reviewed. Total tonnage for September was 188,844.36 tons (7,299 loads)

	Loads	Tons
C&D	240	549.35
MSW	599	104,012.80
	1715	0
Special Waste	469	4342.43
SUBTOTAL	3,023	108,904.58
Re-Directed Waste, RDW Shipped outside or Recycled/Reuse	867	5857.42
Revenue Generating Cover, RGC	3,409	74,082.36
TOTAL	7,299	188,844.36

DOCUMENTATION MAINTAINED AT LANDFILL

Asbestos Daily Records 9/1/06 to 9/30/06

New fence has been installed surrounding the Asbestos storage area.

Total Friable Asbestos reported as 391.56 tons for September 2006.

VOC Laden Soil Reports

The total VOC laden soil received in September was 1,865.79 tons. The total carbon was calculated to be 21.40 pounds with maximum daily rate of less than 5 pounds (well below 15 pounds allowable daily limit).

OBSERVATION OF ENVIRONMENTAL CONTROLS

Litter

Litter was being blown from the Public Area due to unpredicted, strong northerly winds. Litter fences and litter pickers appeared to be adequately containing litter to disposal areas, since very little litter was observed elsewhere on the Landfill.

Dust

NO dust plumes were observed.

Vectors

Birds (Seagulls and crows) were present in significant number.

Cover

The daily and intermediate cover appears to be in compliance with Title 27 requirements; no waste is exposed except in areas prepared for disposal; the working faces are kept to a minimum exposed area, compaction appears adequate.

Odors

Odors downwind of stockpiled green waste was negligible.

TRUCK TRAFFIC

Time	Waste Management	SFRD*	3 rd Party	Total**
6:45 A.M. to 7:45 A.M.	10	9	40	59
7:45 A.M. to 8:45 A.M.	7	5	48	60

*San Francisco Recycling and Disposal.

**Settlement Agreement limits the number of Truck Traffic to 50 during morning rush hour.

TOUR OF THE LANDFILL WITH WM ENVIRONMENTAL COMPLIANCE SPECIALIST
(TERESA DOMINIQUE, Neal Wise) and Alameda County LEA, Karen Moroz

- Observed tipping at the Public Area; no unauthorized waste observed.
- Observed Solidification Pond; no discharge was apparent.
- Picked through Construction and Demolition Waste; some electronic equipments and parts were found and removed from the waste.

Special Occurrences Log Thru 11/10/220)

Fire on 9/28/2006 at 8:00 am.

The following were noticed and removed from waste:

- Waste oil or used oil filter
- Microwaves
- Tire
- Consumer electronic device (TV)
- CRT
- Appliance with Freon

Notice of Violation Record - BAAQMD

None since last inspection.

Local Enforcement Agent (LEA) Reports

Report was not available.

LANDFILL INSPECTION 12/11/06

Conducted by TechLaw Employees,
Reza Baradaran, Civil Engineer
Tommy Poole, Geologist

MONTHLY TONNAGE REPORTS FOR October, 2006

The average total daily disposal quantity is well within the 11,500 tons per day permitted maximum and the 7,000 tons per day settlement agreement limit. The monthly tonnage reports include the type, source, and quantity of alternate daily cover (ADC) materials received at ALRRF, as required by the settlement agreement.

Tonnage Report, October 2006

Monthly tonnage report for October 2006 (report dated 11/9/2006) was reviewed. Total tonnage for October was 182,984.01 tons (6,636 loads)

	Loads	Tons
C&D	264	726.27
MSW	659	110,245.96
	1,481	0
Special Waste	628	5,999.95
SUBTOTAL	3,032	116,972.18
Re-Directed Waste, RDW Shipped outside or Recycled/Reuse	876	5,953.97
Revenue Generating Cover, RGC	2,728	60,057.86
TOTAL	6,636	182,984.01

Tonnage Report, November 2006

Monthly tonnage report for November 2006 (report dated 12/11/2006) was reviewed. Total tonnage for November was 159,015.96 tons (4,557 loads)

	Loads	Tons
C&D	178	318.21
MSW	593	103,604.40
	290	0
Special Waste	737	10,954.30
SUBTOTAL	1,798	114,876.91
Re-Directed Waste, RDW Shipped outside or Recycled/Reuse	872	6,035.74
Revenue Generating Cover, RGC	1,887	38,103.31
TOTAL	4,557	159,015.96

DOCUMENTATION MAINTAINED AT LANDFILL

Asbestos Daily Records 10/1/06 to 10/31/06

New fence has been installed surrounding the Asbestos storage area.

Total Friable Asbestos reported as 1,106.65 tons for October 2006.

Total Friable Asbestos reported as 380.91 tons for November 2006.

VOC Laden Soil Reports

The total VOC laden soil received in October was 1,936.58 tons. The total carbon was calculated to be 14.21 pounds with maximum daily rate of less than 3 pounds (well below 15 pounds allowable daily limit).

The total VOC laden soil received in November was 986.71 tons. The total carbon was calculated to be 10.45 pounds with maximum daily rate of less than 4 pounds (well below 15 pounds allowable daily limit).

OBSERVATION OF ENVIRONMENTAL CONTROLS

Litter

Litter fences and litter pickers appeared to be adequately containing litter to disposal areas, since very little litter was observed elsewhere on the Landfill.

Dust

NO dust plumes were observed.

Vectors

Birds (Seagulls and crows) were present in significant number. Bird canons are operational, very effective in scaring scattering birds for a short time.

Cover

The daily and intermediate cover appears to be in compliance with Title 27 requirements; no waste is exposed except in areas prepared for disposal; the working faces are kept to a minimum exposed area, compaction appears adequate.

Odors

Odors downwind of stockpiled green waste was negligible.

TRUCK TRAFFIC

Time	Waste Management	SFRD*	3 rd Party	Total**
6:45 A.M. to 7:45 A.M.	NA	NA	NA	NA
7:45 A.M. to 8:45 A.M.	3	1	12	16

*San Francisco Recycling and Disposal.

**Settlement Agreement limits the number of Truck Traffic to 50 during morning rush hour.

TOUR OF THE LANDFILL WITH WM ENVIRONMENTAL COMPLIANCE SPECIALIST
(Neal Wise)

- Observed tipping at the Public Area; no unauthorized waste observed.
- Observed Solidification Pond; no discharge was apparent.
- Observed two leachate storage ponds (approximately 12 feet deep, unlined at time of our visit and to be lined later) in the vicinity of the leachate collection tanks and treatment plant.
- Gas well 0444 was spewing steam or gas. Neal Wise requested that Shaw Group to inspect and make appropriate repair.

Special Occurrences Log Thru 11/10/220)

Fire on 9/28/2006 at 8:00 am.

The following were noticed and removed from waste:

Waste oil or used oil filter
Microwaves
Tire
Consumer electronic device (TV)
CRT
Appliance with Freon

Notice of Violation Record - BAAQMD

None since last inspection.

Local Enforcement Agent (LEA) Reports

Report was not available.

Review of First Semiannual 2006 GW Monitoring Report:

The First Semiannual 2006 Groundwater Monitoring Report, Altamont Landfill and Resource Recovery Facility, County of Alameda, California, July 2006 (the 2006 Semi-annual Report) includes the results from sampling the monitoring wells and leachate locations required by the Regional Water Quality Control Board (RWQCB), i.e., those specified in the *Waste Discharge Requirements 5-02-119 for Altamont Landfill and Resource Recovery Facility, Class III and II Landfills, Alameda County, California, dated June 7, 2002*. In addition, additional wells proposed for future use in the monitoring program for Fill Areas 1 and 2 were sampled to collect background data.

Sampling from the required monitoring wells and leachate locations was generally conducted according to the *1996 Site-Specific Groundwater Monitoring Plan, Altamont Landfill and Resource Recovery Facility, Livermore, California* prepared by Rust Environment and Infrastructure, Inc. (Rust), and the June 1998 *Proposed Title 27 Detection Monitoring Program for the Existing Fill Area 1 and Proposed Expansion Area* (the 1998 DMP), which was also prepared by Rust and contains the Sampling and Analysis Plan (SAP) as Section 8 of the document. There were a few minor discrepancies during sampling of the additional wells, including collection of samples after insufficient purging at MW-9 and MW-10 during the first quarter. In addition, during the first quarter, samples were collected from several of the additional wells before water quality parameters had stabilized according to the criteria in the 1998 DMP, but sufficient volume was purged and parameters were stabilized before samples were collected second quarter.

For the monitoring wells specified in the WDR, analytes were detected at concentrations similar detections in previous quarters. Trace concentrations of volatile organic compounds (VOCs) 1,1-dichloroethane and tetrachloroethane were detected in wells E-03A, E-21, and E-23 during first quarter, but during second quarter, only 1,1-dichloroethane was detected in E-03A and E-21. The only exceedence of a maximum contaminant level was vinyl chloride in E-20B; vinyl chloride was detected at 1.4 and 1.6 micrograms per liter (ug/L) during the first and second quarters, respectively. Several other VOCs were detected at trace levels in E-20B, consistent with previous results.

Several analytes were detected at historic high concentrations in the leachate monitoring portion of the monitoring program. In samples from Valley Drain 2 (VD2), several VOCs continue to be detected at historic high concentrations. Compounds detected at historic high concentrations during the fourth quarter include dichlorofluoromethane and 4-methyl-2-pentanone. This chemistry change began during the third quarter sampling in 2005. It is believed that this increase in VOC concentrations is associated with the temporary shutdown of the VD2 pumping system required during construction to extend the Unit 2 leachate, subdrain, and vadose zone riser pipes for the Stage 6, Phase IV cell. Subdrain water is being handled as leachate at treated on site at the waste water treatment plant.

In the vadose zone monitoring location (VZMA), sulfate, ammonia (as nitrogen) and VOCs including 1,2-dichlorobenzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, and trichloroethene, were detected at historic high concentrations during the first or second quarter of 2006.

FUTURE WORK

- Conduct landfill inspection
- Review tonnage and groundwater reports

REFERENCES

Rust Environmental 1998. *1998 Proposed Title 27 Detection Monitoring Program for the Existing Fill Area 1 and Proposed Expansion Area for Altamont Landfill and Resource Recovery Facility.*

SCS Engineers, January 2006. *Second Semiannual and Annual 2005 Groundwater Monitoring Report, Altamont Landfill Resource and Recovery Facility.*

SCS Engineers, July 2006. *First Semiannual 2006 Groundwater Monitoring Report, Altamont Landfill Resource and Recovery Facility.*

Waste Management, August 10, 2006 Monthly Tonnage Report for July 2006.

Waste Management, September 13, 2006 Monthly Tonnage Report for August 2006.