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memorandum

date May 2, 2008
to ALRRF Community Monitor Committee
from Kelly Runyon
subject CMC Meeting of 5/14/08 - Agenda Item 5.3 - Review of Reports from Community Monitor

Attached are our inspection reports for January through April of 2008. The thrust of each inspection is summarized below.

January – Not an inspection per se, but an orientation visit with observations of most site operations.

February – One morning inspection and one night inspection (8:15 to 10:15 PM).

March – One afternoon inspection, unannounced, in conjunction with an LEA inspection. This visit also traced the Class 2 / Class 3 dividing line, using GPS, and observed demarcation posts and operations on either side.

April – One morning inspection, focused on groundwater sampling, at well E20-B.

Issues that raised some concern are marked with yellow rectangles in the left-hand margin.

ALRRF Community Monitor Monthly Report

January 2008

Reports Received

Monthly Tonnage Report for December 2007, dated January 10, 2008

Tonnage Summary:		<u>tons</u>	
By Source Location			
1.1	Tons Disposed from Within Alameda County	53,759.80	
1.2	Tons Disposed from City of San Francisco TS	40,559.49	
1.3	Other Out of County Disposal Tons	<u>2,302.57</u>	
	subtotal Disposed	<u>96,621.86</u>	
By Source Type			
2.1	C&D	191.93	
2.2	MSW	93,159.55	
2.3	Special Wastes	<u>3,295.41</u>	
	subtotal Disposed	<u>96,646.89</u>	
	Difference Not Yet Reconciled	25.03	0.03%
Other Major Categories			
2.4	Re-Directed Wastes (Shipped Off Site or Beneficially Used)	6,361.08	
2.5	Revenue Generating Cover	74,424.18	
	Total, 2.1 - 2.5	177,432.15	
Materials of Interest			
2.3.1	Friable Asbestos	871.96	
2.3.2	Class 2 Cover Soils	12,231.41	
2.5.1	Auto Shredder Fluff	6,355.21	
2.5.2	Processed Green Waste, Beneficial Use (GSET)	1,908.89	

Second Semiannual 2007 Groundwater Monitoring Report, dated January 11, 2008

Paraphrasing from cover letter:

 VOC's detected in Q3 monitoring of well E-22 have not been detected since.

 Vinyl chloride was found at E-20B in Q3 but not Q4.

No increasing trends for VOC's or inorganic parameters.

No violations during this monitoring period.

A more detailed evaluation of this report will be provided in the April CM Report.

Site Visit(s)Orientation to site January 30, 2008, 7 AM to 11 AM

- Attended by Kelly Runyon and Linda Liang
- Escorted by Neil Wise and Tianna Nourot
- Weather partly cloudy, wind light
- Ground conditions wet from recent rain
- Observed all material-handling areas and stockpile locations on site. Fill taking place on east side of upper area of Unit 1, with some activity in Unit 2 (Class 2 portion of site).
- Observed locations of shop, scales, and other support services.
- Observed traffic patterns and controls on site. No problems apparent.
- Observed demarcation of Class 2 / Class 3 areas
- Drove to east end of property to see extent of future Fill Area 2.
- Due to difficult access (wet conditions), did not closely observe leachate pretreatment or LFG turbine plant.
- Observed locations and typical configurations of groundwater monitoring wells.
- Noted landfill gas system improvements in progress (new wells, new header being installed).
- Internal-combustion landfill gas engines were operating.

Observation of Environmental Controls

- Litter fences functioning as designed.
- Substantial amount of windblown litter, primarily plastic bags and film, visible east of active landfill area.
- No landfill gas or other strong odor noted.
- Birds present in significant numbers. Little active feeding seen.
- No slides, seeps, slumps or other indication of slope failure observed.

Other Observations

- Many plastic refuse carts in self-hauled refuse / C&D pile.
- Special Occurrences Log: one item: minor damage to tipper when bumped by transfer truck.

Truck Traffic Counts

- No truck traffic counts this month.

Other Activities

- Community Monitor Committee meeting, January 9; contract for CM services executed.
- Retrieved prior Community Monitor documents, January 22.
- Established in-house document library.
- Established web site and placed scans of selected documents from 2005 and 2006 on web site.
- Waste Management provided current Joint Technical Document.

ALRRF Community Monitor Monthly Report

February 2008

Reports Received

Monthly Tonnage Report for January 2008, dated February 11, 2008

Tonnage Summary:		<u>tons</u>	
By Source Location			
1.1	Tons Disposed from Within Alameda County	68,403.78	
1.2	Tons Disposed from City of San Francisco TS	43,987.41	
1.3	Other Out of County Disposal Tons	<u>1,122.78</u>	
	subtotal Disposed	<u>113,513.97</u>	
By Source Type			
2.1	C&D	296.27	
2.2	MSW	110,655.32	
2.3	Special Wastes	<u>2,754.82</u>	
	subtotal Disposed	<u>113,706.41</u>	
	Difference Not Yet Reconciled	192.44	0.17%
Other Major Categories			
2.4	Re-Directed Wastes (Shipped Off Site or Beneficially Used)	7,317.95	
2.5	Revenue Generating Cover	24,051.91	
	Total, 2.1 - 2.5	145,076.27	
Materials of Interest			
2.3.1	Friable Asbestos	772.96	
2.3.2	Class 2 Cover Soils	9,137.77	
2.5.1	Auto Shredder Fluff	7,784.27	
2.5.2	Processed Green Waste, Beneficial Use (GSET)	2,092.11	

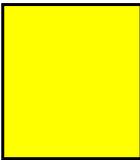
MMRP Annual Progress Report for 2007, dated February 1, 2008

Progress report is essentially unchanged from that of the previous year.

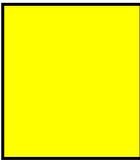
Most statements in the report appear to be valid and consistent with requirements.

Condition 3c: Implementation Activity should be updated to mention latest JTD revisions.

Condition 4.8.1: Annual tonnage data should be updated.

 Condition 14: ALRRF states that contractors do not need to be cautioned about archaeological remains. We respectfully disagree. The possibility of encountering previously undiscovered cultural resources exists and should be anticipated in specifications for construction of Unit 2.

Condition 15: Implementation Status is shown as Completed. "Ongoing throughout project life" would be more suitable.

 Condition 36: In the CUP, the requirement to fence the alkali sinks, which are outside of the Unit 2 perimeter, is not linked to the start of Unit 2 development. We suggest that the FEIR should be checked to determine if fencing should await development of Unit 2 or begin sooner.

Site Visit(s)Site Inspection February 8, 2008, 9AM - 11AM

- Attended by Kelly Runyon
- Escorted by Neil Wise and Tianna Nourot
- Weather: sky clear, wind light to moderate
- Soils generally dry; intermittent streams exhibiting low flows
- Observed all material-handling areas and stockpile locations on site. Fill continuing on east side of upper area of Unit 1, with some activity in Unit 2 (Class 2 portion of site).
- Observed traffic patterns and controls on site. No problems apparent.
- Observed demarcation of Class 2 / Class 3 areas.
- Drove to southeast end of property to observe wetlands identified in environmental documents.
- Observed leachate pretreatment and LFG turbine plant. Turbines were operating.
- Internal-combustion landfill gas engines were not operating due to gas system modifications in progress.
- Landfill gas system improvement work continuing (wells and header being added).

Site Inspection February 26, 2008, 8:15 PM - 10:15 PM

- Attended by Kelly Runyon
- Escorted by Neil Wise
- Weather: sky partly cloudy, wind light to moderate
- Observed refuse fill and compaction activity. Fill area has moved to south boundary of Unit 2. Space is somewhat confined but manageable. Active area is reasonably well lit.
- Observed traffic patterns and controls on site. No problems apparent. Truck movement very efficient; all trucks are refuse transfer vehicles, and drivers are obviously familiar with the site.
- Internal-combustion landfill gas engines were operating, as were turbines and flare. Flare appeared to be handling a very high volume of gas, but with complete combustion.

Observation of Environmental Controls

- Litter fences were functioning as designed.
- On Feb. 8, saw a substantial amount of windblown litter, primarily plastic bags and film, east of active landfill area. Cleanup crews were working in portions of area. Film was matted against shrubs and stream banks in small arroyos and drainages.
- Mild landfill odor noted ~100yds west of site on Altamont Pass Road, Feb. 8, early morning.
- On Feb. 8, birds were present in significant numbers. Little active feeding seen.
- No slides, seeps, slumps or other indication of slope failure was observed.

Other Observations

- On Feb. 8, grinding of green waste near active face was producing light smoke, normal for this type of operation.

Truck Traffic Counts, February 8, 2008, 6:45 to 8:45 AM

- The busiest one-hour period was from 7:32 through 8:31 AM. During this time 33 trucks were observed entering the landfill site. Six of these trucks were hauling material other than refuse, primarily soil. The one-hour count of 27 refuse trucks was well below the permit limit of 50.

Other Activities

- Prepared draft meeting agenda and minutes of previous meeting.
- Prepared draft response to topics raised by A.R. Boone.

ALRRF Community Monitor Monthly Report

Reports Received

Monthly Tonnage Report for February 2008, dated March 11, 2008

Tonnage Summary:		<u>tons</u>	
By Source Location			
1.1	Tons Disposed from Within Alameda County	61,865.29	
1.2	Tons Disposed from City of San Francisco TS	38,050.04	
1.3	Other Out of County Disposal Tons	<u>1,057.59</u>	
	subtotal Disposed	100,972.92	
By Source Type			
2.1	C&D	323.59	
2.2	MSW	97,271.86	
2.3	Special Wastes	<u>3,377.47</u>	
	subtotal Disposed	100,972.92	
	Difference Not Yet Reconciled	0.00	0.00%
Other Major Categories			
2.4	Re-Directed Wastes (Shipped Off Site or Beneficially Used)	5,219.45	
2.5	Revenue Generating Cover	23,605.46	
	Total, 2.1 - 2.5	129,797.83	
Materials of Interest			
2.3.1	Friable Asbestos	418.55	
2.3.2	Class 2 Cover Soils	11,137.93	
2.5.1	Auto Shredder Fluff	5,514.79	
2.5.2	Processed Green Waste, Beneficial Use (GSET)	1,855.60	

Site Visit(s)Site Inspection March 25, 2 PM to 4:30 PM, 2008

- Kelly Runyon, and Eva Chu, L.E.A
- Escorted by Neil Wise
- Weather: sky clear, wind light
- Soils generally dry
- Observed top deck of existing fill and working face, which was along south side of Unit 1.
- Observed traffic patterns and controls on site. Soil delivery truck (end dump) having problems unloading but other traffic able to navigate around it.
- Used GPS and portable computer to trace Class 3 / Class 2 line and observe activities on either side, as well as demarcation posts. Posts are set roughly 20 to 40 feet inside the Class 2 area. All activities occurring in Class 2 area were appropriate.
- Observed LEA evaluation of site. Appeared thorough. No issues raised.
- Observed leachate pretreatment and LFG turbine plant. Turbines were operating.
- Internal-combustion landfill gas engines were operating.
- At public disposal area, one roll-off load from a local retailer contained a substantial amount of recyclable cardboard.
- At Livermore organics area, no noticeable insect activity. (Flies can occur here due to food scraps in organics).

Observation of Environmental Controls

- Litter fences functioning as designed.
- Work on landfill gas system appears to be substantially complete.
- No landfill gas or other strong odor noted.
- Few birds present.
- No slides, seeps, slumps or other indication of slope failure observed.

Other Observations

- Special Occurrences Log difficult to locate. When found, it contained five items, three serious:
 - (1) Exposure of buried asbestos, Feb 13. It was quickly re-covered.
 - (2) Hydraulic leak, approx. 25 gal., March 11. It was quickly cleaned up.
 - (3) End-dump truck tipped over while unloading, March 13. No leaks noted.No injuries were noted for any of these incidents.

Truck Traffic Counts, March 3, 2008, 6:45 to 8:45 AM

- The busiest one-hour period was from 6:45 through 7:44 AM. During this time 27 trucks were observed entering the landfill site. Two of these trucks were hauling material other than refuse. The one-hour count of 25 refuse trucks is well below the permit limit of 50.

Other Activities

- Prepared final meeting agenda for March 12, and minutes of previous meeting.
- Prepared final response to topics raised by A.R. Boone.
- Attended March 12 Community Monitoring Committee meeting.
- Prepared rough draft minutes for quick review by Livermore staff.
- Briefed Treadwell and Rollo staff on needs for next month's inspection (focus on ground-water monitoring).

Reports Received

Monthly Tonnage Report for March 2008, dated April 10, 2008

Tonnage Summary:		<u>tons</u>	
By Source Location			
1.1	Tons Disposed from Within Alameda County	58,475.09	
1.2	Tons Disposed from City of San Francisco TS	40,347.03	
1.3	Other Out of County Disposal Tons	922.12	
	subtotal Disposed	99,744.24	
By Source Type			
2.1	C&D	425.86	
2.2	MSW	97,138.84	
2.3	Special Wastes	2,179.54	
	subtotal Disposed	99,744.24	
	Difference Not Yet Reconciled	0.00	0.00%
Other Major Categories			
2.4	Re-Directed Wastes (Shipped Off Site or Beneficially Used)	6,361.08	
2.5	Revenue Generating Cover	74,424.18	
	Total, 2.1 - 2.5	180,529.50	
Materials of Interest			
2.3.1	Friable Asbestos	274.63	
2.3.2	Class 2 Cover Soils	58,207.90	
2.5.1	Auto Shredder Fluff	8,105.38	
2.5.2	Processed Green Waste, Beneficial Use (GSET)	2,016.13	

See page 2 discussion and April / May memoranda from ESA and Treadwell and Rollo, for discussion of Second Semi-Annual 2007 Groundwater Monitoring Report and other reports related to groundwater quality.

Site Visit(s)Site Inspection April 9, 2008

- Attended by Eric Morita of Treadwell and Rollo
- Escorted by Tianna Nourot and groundwater quality technician, SCS Engineers
- Focus of monitoring was close observation of groundwater monitoring procedures at the one well that has had recent detection of hydrocarbons (Well E-20B).
- Sampling procedures and sample handling were generally in compliance with guidelines.
- In particular, the taking, containerizing and handling of samples was performed in a way that minimized the risk of escape of contaminants that may be present.

However, the purge rate prior to sampling exceeded the rate specified in the most recent monitoring plan available to the Community Monitor team. It is not yet clear if this could have had a material effect on these samples. At this writing we are attempting to identify and obtain a copy of the currently applicable specification. We have the 1993 version but there appear to have been one or more revisions made or drafted. We have recently requested the currently applicable version from Waste Management.

In the Second Semi-Annual Groundwater Monitoring Report, a review of Table 7 (Vadose Zone Monitoring) finds that in 2007, ammonia and total nitrogen have shown increasing levels. Although still low, these parameters can be an early indication of the presence of leachate and should be watched in the future.

Observation of Environmental Controls

- No landfill gas or other strong odor noted.
- No slides, seeps, slumps or other indication of slope failure observed.

Truck Traffic Counts, April 29, 2008, 6:45 to 8:45 AM

- The busiest one-hour period was from 7:45 through 8:44 AM. During this time 29 trucks were observed entering the landfill site. Eight of these trucks were hauling material other than refuse, primarily soil. The one-hour count of 21 refuse trucks is well below the permit limit of 50.

Other Activities

- Compiled site inspection reports.
- Coordinated with Treadwell and Rollo staff to clarify objectives of site visit
- Prepared memorandum addressing questions raised at March 12 CMC meeting, regarding groundwater quality monitoring.