



# COMMUNITY MONITOR COMMITTEE

## Altamont Landfill Settlement Agreement

\*\*\* The Public is Welcome to Attend\*\*\*

### VOTING MEMBERS

*Chair*  
*Marj Leider*  
*City of Livermore*

*Cindy McGovern*  
*City of Pleasanton*

*Donna Cabanne*  
*Sierra Club*

*Arthur Boone*  
*Member*  
*N CRA*

### NON-VOTING MEMBERS

*Tianna Nourot*  
*Waste Management*  
*Altamont Landfill*  
*Resource and Recovery*  
*Facility*

*Eva Chu*  
*Alameda County*

*Robert Cooper*  
*Altamont Landowners*  
*Against Rural*  
*Mismanagement (ALARM)*

### STAFF

*Dan McIntyre*  
*City of Livermore*  
*Public Works Director*

*Judy Erlandson*  
*City of Livermore*  
*Public Works Manager*

## AGENDA

DATE: **Wednesday, January 14, 2009**  
TIME: **4:00 p.m.**  
PLACE: **City of Livermore**  
**Maintenance Services Division**  
**3500 Robertson Park Road**

1. Call to Order
  2. Introductions
  3. Roll Call
  4. Approval of Minutes (November 5, 2008)
  5. Open Forum This is an opportunity for members of the audience to comment on a subject not listed on the agenda. No action may be taken on these items.
  6. Matters for Consideration
    - 6.1 **List of Acronyms (ESA)**
    - 6.2 **Committee Member Activities: Contact with County Planning staff or others (no written report)**
    - 6.3 **Responses to Questions on Prior Community Monitor Reports (ESA)**
    - 6.4 **Review of Reports from Community Monitor (ESA)**
    - 6.5 **Update on Groundwater Monitoring (ESA)**
    - 6.6 **Outline of Annual Report (ESA)**
    - 6.7 **Presentation by BAAQMD staff member**
  7. Agenda Building

This is an opportunity for the Community Monitor Committee Members to place items on future agendas.
  8. Adjournment

The next regular Community Monitoring Committee meeting will take place at 3500 Robertson Park Road, Livermore.
- Informational Materials:
- Community Monitor Roles and Responsibilities
  - November 5, 2008 Draft Minutes
  - Reports from ESA and City of Livermore Staff

**City of Livermore**  
**TDD (Telecommunications for the Deaf)**  
**(925) 960-4104**

PURSUANT TO TITLE II OF THE AMERICANS WITH DISABILITIES ACT (CODIFIED AT 42 UNITED STATES CODE SECTION 12101 AND 28 CODE OF FEDERAL REGULATIONS PART 35), AND SECTION 504 OF THE REHABILITATION ACT OF 1973, THE CITY OF LIVERMORE DOES NOT DISCRIMINATE ON THE BASIS OF RACE, COLOR, RELIGION, NATIONAL ORIGIN, ANCESTRY, SEX, DISABILITY, AGE OR SEXUAL ORIENTATION IN THE PROVISION OF ANY SERVICES, PROGRAMS, OR ACTIVITIES. TO ARRANGE AN ACCOMMODATION IN ORDER TO PARTICIPATE IN THIS PUBLIC MEETING, PLEASE CALL (925) 960-4586/4582 (VOICE) OR (925) 960-4104 (TDD) AT LEAST 72 HOURS IN ADVANCE OF THE MEETING.

The Community Monitor Committee Agenda and Agenda Reports are prepared by City staff and are available for public review on the Thursday prior to the Community Monitor Committee meeting at the Maintenance Service Center, located at 3500 Robertson Park Road, Livermore. The Community Monitor Committee Agenda is available for public review at the Civic Center Library, located at 1188 S. Livermore Avenue, Livermore, and on the bulletin boards located outside City Hall, located at 1052 S. Livermore Avenue, Livermore, and the Maintenance Service Center.

Under Government Code §54957.5, any supplemental material distributed to the members of the Community Monitor Committee after the posting of this Agenda will be available for public review upon request at 3500 Robertson Park Road., Livermore or by contacting us at 925-960-8000.

If supplemental materials are made available to the members of the Community Monitor Committee at the meeting, a copy will be available for public review at the Maintenance Service Center, at 3500 Robertson Park Road, Livermore

## **Community Monitor Roles and Responsibilities**

### Community Monitor Committee's Responsibilities

Under Settlement Agreement section 5.1.2, the CMC is responsible for supervising and evaluating the performance of the Community Monitor as follows:

- A. Interviewing, retaining, supervising, overseeing the payment of, and terminating the contract with the Community Monitor;
- B. Reviewing all reports and written information prepared by the Community Monitor; and
- C. Conferring with the Community Monitor and participating in the Five Year Compliance Reviews (next due 8/22/2010) and the Mid-Capacity Compliance Review (due when the new cell is constructed and capacity is close to 50%, unlikely to occur before 2028) (Condition number 6 of Exhibit A of the Agreement).

### Community Monitor's Responsibilities

The Community Monitor supplements and confirms the enforcement efforts of the County Local Enforcement Agency. The Community Monitor is primarily responsible for:

- A. Reviewing any relevant reports and environmental compliance documents submitted to any regulatory agency (sections 5.7.1, 5.7.2, and 5.7.3);
- B. Advising the public and the Cities of Livermore and Pleasanton about environmental and technical issues relating to the operation of the Altamont Landfill via the CMC (section 5.7.4);
- C. Presenting an annual written report summarizing the Altamont Landfill's compliance record for the year to the CMC and submitting the report to Alameda County and the Cities of Livermore and Pleasanton (section 5.7.5);
- D. Notifying the County Local Enforcement Agency and Waste Management of Alameda County of any substantial noncompliance findings or environmental risk (section 5.7.6);
- E. Monitoring and accessing the Altamont Landfill site and conducting inspections (section 5.7.7);
- F. Counting trucks arriving at the Altamont Landfill (section 5.7.8); and
- G. Reviewing waste testing data and source information (section 5.7.9).

### Waste Management of Alameda County's Responsibilities

Per the settlement agreement, Waste Management is responsible for:

- A. Paying for the services of the Community Monitor, based on an annual cost estimate (section 5.3.3).
- B. Paying an additional 20% over the annual cost estimate if warranted based on "credible evidence" (section 5.3.3).



# COMMUNITY MONITOR COMMITTEE

## *Altamont Landfill Settlement Agreement*

Minutes of November 5, 2008

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### **DRAFT**

1. Call to Order  
Ms. Leider called the meeting to order at 4:04 p.m.
2. Introductions  
Those present introduced themselves. Roel Meregillano of the Alameda County Department of Environmental Health was present in lieu of Eva Chu, who was attending a professional conference.
3. Roll Call  
Members Present: Marj Leider, Chair; Cindy McGovern; Donna Cabanne; Arthur Boone (arrived 4:15 PM); Roel Meregillano, for Eva Chu, Alameda County Local Enforcement Agent; and Tianna Nourot, Waste Management Altamont Landfill and Resource and Recovery Facility  
  
Absent: Robert Cooper, Altamont Landowners Against Rural Mismanagement  
  
Staff: Dan McIntyre and Judy Erlandson, City of Livermore Public Works Department  
  
Others: Neil Wise, Waste Management Altamont Landfill and Resource and Recovery Facility; Kelly Runyon, ESA, Community Monitor
4. Approval of Minutes  
***On the motion of Ms. Cabanne, seconded by Ms. McGovern, and carried by a vote of 3-0, the minutes of the meeting of May 14, 2008 were approved.***
5. Open Forum  
No items were brought to the Committee's attention.
6. Matters for Consideration
  - 6.1 Review Scope of Work of the Community Monitor Committee (Livermore Staff)  
  
Ms. Erlandson briefly discussed the 3-page "Review of Duties and Responsibilities of the Community Monitor Committee" staff report, and went through the one-page "Community Monitor Roles and Responsibilities" memorandum in detail. Regarding Item C of the first

section, staff clarified that the next Five Year Compliance Review would occur on or about 8/22/2010, and that the Community Monitor's role would be to review materials submitted to the County. Regarding item C of the second section, Ms. McGovern asked when the Annual Report would be submitted by the Community monitor, and Mr. Runyon responded that he anticipated bringing it to the Committee at the next meeting, in January.

Ms. Erlandson also pointed out that the following actions are outside the Community Monitor Committee's purview:

Advise Waste Management regarding policy or operations

Suggest new programs such as recycling programs

Advocate for legislation

Expand the Community Monitor's scope of work

6.2 Regularly Scheduled Meeting Times (for discussion; no written report)

Committee members reviewed their availability and concurred that the second Wednesday of odd-numbered months would be suitable meeting dates, with 4 PM continuing to be an appropriate time.

6.3 List of Acronyms (ESA)

The List of Acronyms provided with the agenda packet was reviewed. A change to the printed version was suggested so that the "WDR" acronym would be easier to find.

6.4 Correspondence from Waste Management – Customer Privacy (ESA; Livermore Staff)

In discussion, Waste Management staff stated that the memorandum from City of Livermore counsel had not been provided to them. Ms. Lieder asked Ms. Erlandson to transmit that memorandum to Waste Management staff.

6.5 Committee Member Activities: Contact with County Planning staff or others (no written report)

Mr. Boone reported that he had had some discussion with Bay Area Air Quality Management District staff regarding options for energy recovery from landfill gas.

6.6 Material Quantities for Beneficial Use (ESA)

Mr. Runyon verbally summarized the staff memorandum. Mr. Boone asked if the revenue-generating cover materials are exempt from State and local fees. Mr. Runyon stated that he did not know. Mr. Boone asked Waste Management staff if green wastes are being received from Santa Clara County. Mr. Wise stated that yes, such materials are being sent

(after grinding) from Guadalupe Landfill, and are being used for erosion control. He added that these materials are available because Guadalupe Landfill receives more green wastes than it has capacity to compost. In further discussion of other beneficial-use materials, Mr. Boone raised a concern that Class 2 cover soils high in volatile organic compounds could be causing harm to the environment. Ms. Nourot responded that soils high in VOC's (but within acceptable limits) are placed in the Class 2 area and promptly covered.

6.7 Review of Reports from Community Monitor (ESA)

Mr. Runyon reviewed inspection reports and related information from May through October 2008. In that review, the following points were discussed.

The recommendation to suspend truck counts was accepted by the Committee. In discussion, Mr. Boone asked when refuse from the Fremont Transfer Station would be received at the ALRRF. Mr. Meregillano responded that these materials would begin arriving at ALRRF some time in 2009, when the Tri-Cities Landfill closes; and that the amount would be approximately 800 to 1000 tons per day. Mr. Runyon pointed out that the monthly tonnage reports prepared by ALRRF would indicate when Fremont transfer loads began to arrive. The Committee directed the CM to conduct truck counts semiannually prior to the arrival of Fremont wastes, and quarterly when Fremont wastes begin to arrive.

Recent repairs to stormwater handling systems on several parts of the landfill were discussed. Some clarification was needed regarding the components associated with Basin B.

In discussion of the June inspection, which focused on the landfill gas control systems, several questions were raised by Committee members:

- 1) Do the internal combustion engines that consume landfill gas have catalytic converters?
- 2) What is the combustion efficiency of those engines? Which type of engine is more efficient?
- 3) When will the LNG plant be completed? (Ms. Nourot responded that next June is the current target date for completion.)

In addition, Mr. Boone mentioned that he had spoken with a staff member at the Bay Area Air Quality Management District who is reviewing the permit application for the LNG facility at the ALRRF, and she might be available to speak to the Committee.

In discussion of the July inspection, Ms. Cabanne asked that the CM check to confirm that the stormwater Best Management Practices called for in the 2007-2008 Annual Report for Stormwater Discharges. Mr. Runyon agreed to do so.

6.8 Update on Groundwater Monitoring and Soil Testing Documents (ESA)

Mr. Runyon reviewed ESA's summary of the August 26, 2008 memo from Treadwell and Rollo discussing groundwater monitoring data and method. A Committee member asked if the method used has been approved by the Water Board. Mr. Wise stated that it is approved by the Waste Discharge Requirements. Ms. Nourot said that she would check this. Mr. Runyon stated that the method does not conflict with or violate the Waste Discharge Requirements, and that it appeared to be an adaptation of standard methods, to allow for the low recharge rate of groundwater wells at the site.

Ms. McGovern asked if this method presents a risk regarding groundwater contamination. Mr. Runyon stated that because the method is less stringent than the ASTM method, he could not rule out the possibility that it presented a slightly greater risk of failing to detect low levels of contamination. This caused some concern for Committee members, and Mr. Runyon and Altamont staff agreed to look into this question and respond in further detail.

Mr. Runyon also reviewed the August 26, 2008 memo from Treadwell and Rollo discussing the review of Class 2 cover soil files, and stated that file review is continuing. A few records have required clarification from Waste Management staff, but no significant issues or problems have been found. He further stated that this review will be completed, and a more detailed update will be provided, for the next Committee meeting.

7. Agenda Building

As noted above, a BAAQMD staff member may be available to discuss the compressed-gas plant planned for the ALRRF site.

The Annual Report for the first year of the Community Monitor's contract will be reviewed.

8. Adjournment

The meeting was adjourned at 5:48 p.m. The next meeting will be held on **Wednesday, January 14 at 4:00 p.m.** at the Livermore Maintenance Services Division at 3500 Robertson Park Road.



225 Bush Street  
Suite 1700  
San Francisco, CA 94104  
415.896.5900 phone  
415.896.0332 fax

# memorandum

date January 2, 2009  
to ALRRF Community Monitor Committee  
from Kelly Runyon  
subject CMC Meeting of 1/14/09 - Agenda Item 6.1 - List of Acronyms

In response to a concern expressed by Community Monitor Committee (CMC) Member McGovern, below is a list of acronyms that may be used in discussion of waste disposal facilities. These have been posted on the CMC web site, together with a link to the CIWMB acronyms page:  
<http://www.ciwmb.ca.gov/LEACentral/Acronyms/default.htm>.

Updates will be provided as needed.

## **Agencies**

ACWMA – Alameda County Waste Management Authority  
ANSI – American National Standards Institute  
ARB or CARB – California Air Resources Board  
ASTM – American Society for Testing and Materials  
BAAQMD – Bay Area Air Quality Management District  
CDFG or DFG – California Department of Fish and Game  
CIWMB – California Integrated Waste Management Board  
CMC – Community Monitor Committee  
DWR – Department of Water Resources  
LEA – Local Enforcement Agency (i.e., County Environmental Health)  
RWQCB – Regional Water Quality Control Board  
SWRCB – State Water Resources Control Board

## **Waste Categories**

C&D – construction and demolition  
CDI – Construction, demolition and inert debris

GSET – Green waste and other fine materials originating at the Davis Street Transfer Station, for solidification, externally processed.

GWRGCT – Green waste that is ground on site and used for solidification or cover

GWSA – Green waste slope amendment (used on outside slopes of the facility)

MSW – Municipal solid waste

RDW – Redirected wastes (received at ALRRF, then sent to another facility)

RGC – Revenue generating cover

***Substances or Pollutants***

ACM – asbestos-containing material

ACW – asbestos-containing waste

ADC – Alternative Daily Cover. For more information: <http://www.ciwmb.ca.gov/lgcentral/basics/adcbasic.htm>

BTEX – benzene, toluene, ethylbenzene, and xylene (used in reference to testing for contamination)

CH<sub>4</sub> – methane

CO<sub>2</sub> – carbon dioxide

DO – dissolved oxygen

HHW – household hazardous waste

LFG – landfill gas

LNG – liquefied natural gas

MTBE – methyl tertiary butyl ether, a gasoline additive

NMOC – Non-methane organic compounds

NTU – nephelometric turbidity units, a measure of the cloudiness of water

TCE - Trichloroethylene

TDS – total dissolved solids

TKN – total Kjeldahl nitrogen

VOC – volatile organic compounds

***Documents***

CCR – California Code of Regulations (includes Title 14 and Title 27)

CoIWMP – County Integrated Waste Management Plan

JTD – Joint Technical Document (contains detailed descriptions of permitted landfill operations)

RDSI – Report of Disposal Site Information

RWD – Report of Waste Discharge

SRRE – Source Reduction and Recycling Element (part of CoIWMP)

SWPPP – Stormwater Pollution Prevention Plan

WDR – Waste Discharge Requirements (Water Board permit)

**General Terms**

ALRRF – Altamont Landfill and Resource Recovery Facility

BGS – below ground surface

CEQA – California Environmental Quality Act

CQA – Construction Quality Assurance (relates to initial construction, and closure, of landfill Units)

CY – cubic yards

GCL – geosynthetic clay liner

GPS – Global Positioning System

IC engine – Internal combustion engine

LCRS – leachate collection and removal system

LEL – lower explosive limit

mg/L – milligrams per liter, or (approximately) parts per million

µg/L – micrograms per liter, or parts per billion

PPE – personal protective equipment

ppm, ppb, ppt – parts per million, parts per billion, parts per trillion

STLC – Soluble Threshold Limit Concentration, a regulatory limit for the concentrations of certain pollutants in groundwater

TTLC – Total Threshold Limit Concentration, similar to STLC but determined using a different method of analysis

TPD, TPM, TPY – Tons per day, month, year

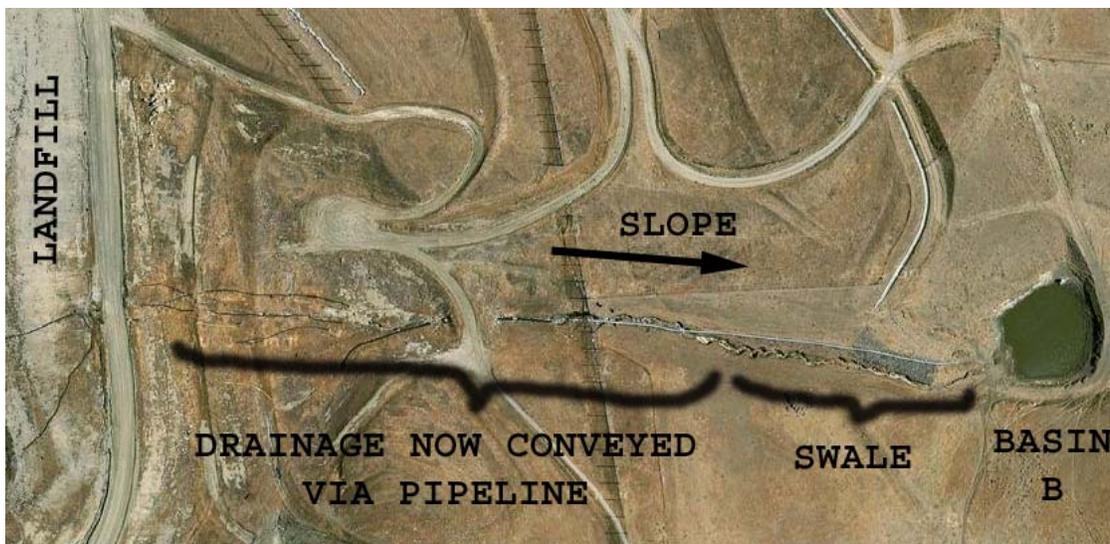
WMAC – Waste Management of Alameda County

# memorandum

date January 2, 2009  
to ALRRF Community Monitor Committee  
from Kelly Runyon  
subject CMC Meeting of 1/14/09 - Agenda Item 6.3 - Responses to Questions on Prior Community Monitor Reports

At the November 5, 2008 Community Monitor Committee meeting, several questions were raised regarding details in the Reports from the Community Monitor. The questions are presented here, with responses.

1. During the meeting there was some confusion regarding the relative positions of a storm drain pipe, swale, and



pond on the east side of the landfill. The airphoto below has been labeled to show the positions of each.

2. Do the internal combustion engines that consume landfill gas have catalytic converters?

Apparently they do not. We have reviewed permit documents within the Community Monitor files and on the BAAQMD web site and have seen no mention of catalytic converters, either for the reciprocating engines or the

turbines. ALRRF staff have been asked to confirm this. We anticipate providing confirmation at the January 14, 2009 Committee meeting.

3. What is the combustion efficiency of the engines? Which type of engine is more efficient?

To produce electricity from landfill gas, turbines are somewhat more efficient than reciprocating engines, with order-of-magnitude efficiencies being 40% for turbines and 30% for reciprocating engines. However, turbine efficiency deteriorates rapidly if gas volume or ambient temperature varies substantially from design values, and both of these things do vary at landfills, hour to hour and day to day. (Reciprocating engines can tolerate wider variation in these values.) Consequently, turbines are typically used in conjunction with a flare to destroy "excess" gas. Obviously, no energy is recovered from flared gas, and this complicates any efficiency comparison.

4. When will the LNG (liquid natural gas) plant be completed?

At the November 2008 Committee meeting, ALRRF staff stated that June 2009 is the target date. Inspections at the site have observed that construction is proceeding; excavation and grading for foundation work appears to be nearly complete. A verbal update may be available from ALRRF staff at the January 14, 2009 Committee meeting.

5. Regarding the Basin B drainage, have the stormwater Best Management Practices (BMP's) called for in the 2007-2008 Annual report for Stormwater Discharges been completed?

In the November inspection, the area was closely examined. The listed BMP's have been installed where appropriate and are being adjusted based on observations made during and after wet weather. Some improvement is needed in controlling the discharge from a V-ditch upslope from Basin B. ALRRF management is aware of this issue and is working to correct it.



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Suite 1700  
San Francisco, CA 94104  
415.896.5900 phone  
415.896.0332 fax

# memorandum

date January 2, 2009  
to ALRRF Community Monitor Committee  
from Kelly Runyon  
subject CMC Meeting of 1/14/09 - Agenda Item 6.4 - Review of Reports from Community Monitor

Attached are our inspection reports for November and December of 2008. The thrust of each inspection is summarized below.

November – A routine inspection of operations, and a close examination of stormwater systems.

December – Introduction of a civil engineer from Treadwell and Rollo to the site, for future reference (if necessary) regarding slope stability, erosion, seepage, or other issues that may arise from wet weather.

Both inspections were announced. LEA inspection reports and the Special Occurrences Log were reviewed during each inspection.

Issues that caused some concern are marked with yellow rectangles in the left-hand margins of the monthly reports. Two ongoing issues are (1) the need to revise the landfill gas monitoring plan and install probes in approved locations that conform to new regulations, and (2) the need for further improvement to the stormwater control measures upslope of Basin B. Staff at ALRRF are actively working on both of these issues. A photo of the Basin B problem appears in Figure 1 on the following page.

No truck counts were conducted in November and December. Tonnage reports for October and November did not indicate a significant increase in tonnage from prior months in 2008.

Tonnages of incoming material were generally within normal ranges, though the amount of Class 2 cover soil was well above average in October, and the November out-of-county tonnage was higher than in any other month in 2008. Graphs by material type are provided in Figures 2 and 3 below.

In addition to inspections, two other review activities took place:

- The semiannual Title V report (regarding air permit/regulatory compliance) was reviewed. Some questions regarding gas well outages shown in this report are being discussed with ALRRF staff. These should be resolved prior to the January 14 meeting, and a verbal update will be provided at that time.
- The first round of review of Class 2 soil files, for 2008, was completed in December. Over 350 files were reviewed. Approximately eight minor discrepancies were noted and are being resolved in discussion with ALRRF staff. These discrepancies typically involved test reports that appeared to be incomplete; they did

not indicate any cause for serious concern at the present time. ALRRF staff have cooperated fully in this review.

**Figure 1 – Erosion problem upslope of Basin B, November 2008**



Location: north side of swale upslope of Basin B.

Design intent: water flowing from V-ditch should discharge from concrete apron (right side of photo, near top) onto rocks (underlain with fabric) and flow laterally to left, across rocks and gradually downslope to Basin B.

Situation: water is spilling from downslope side of rocky watercourse as soon as it enters, flowing directly downhill and causing soil erosion. Geotextile beneath rocks is being exposed and undercut.

ALRRF management is aware of this issue and is working with their contractor to rectify it.

Figure 2

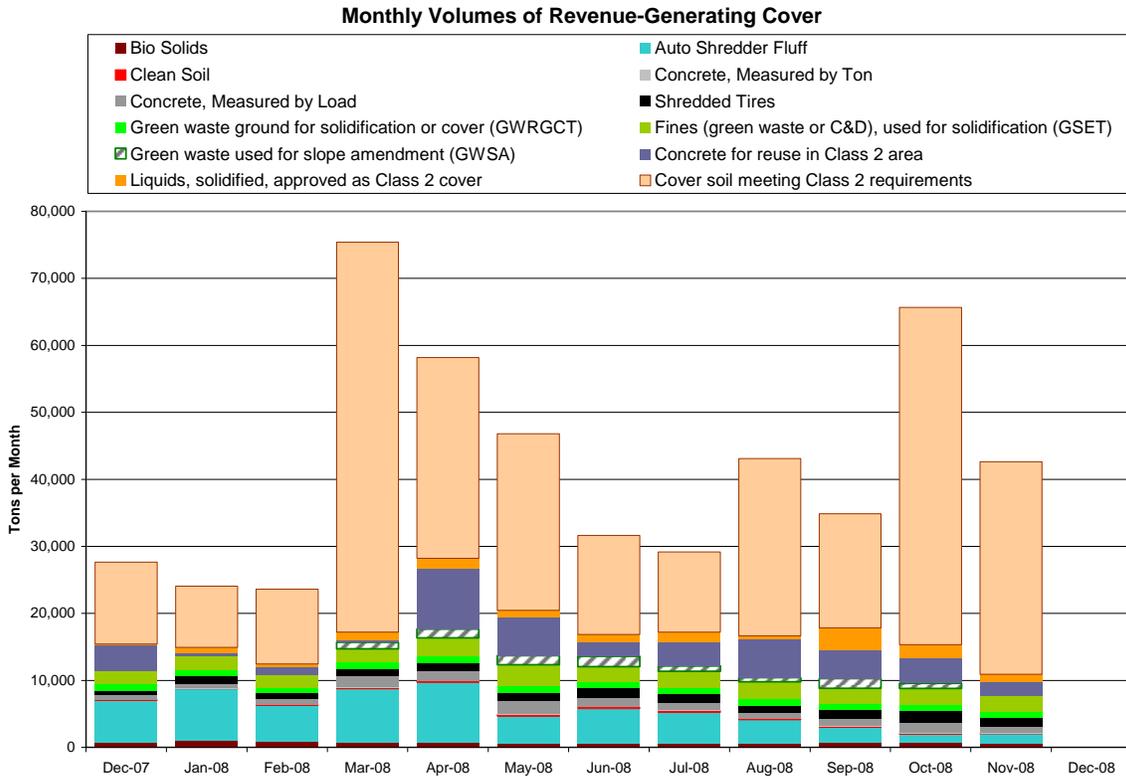
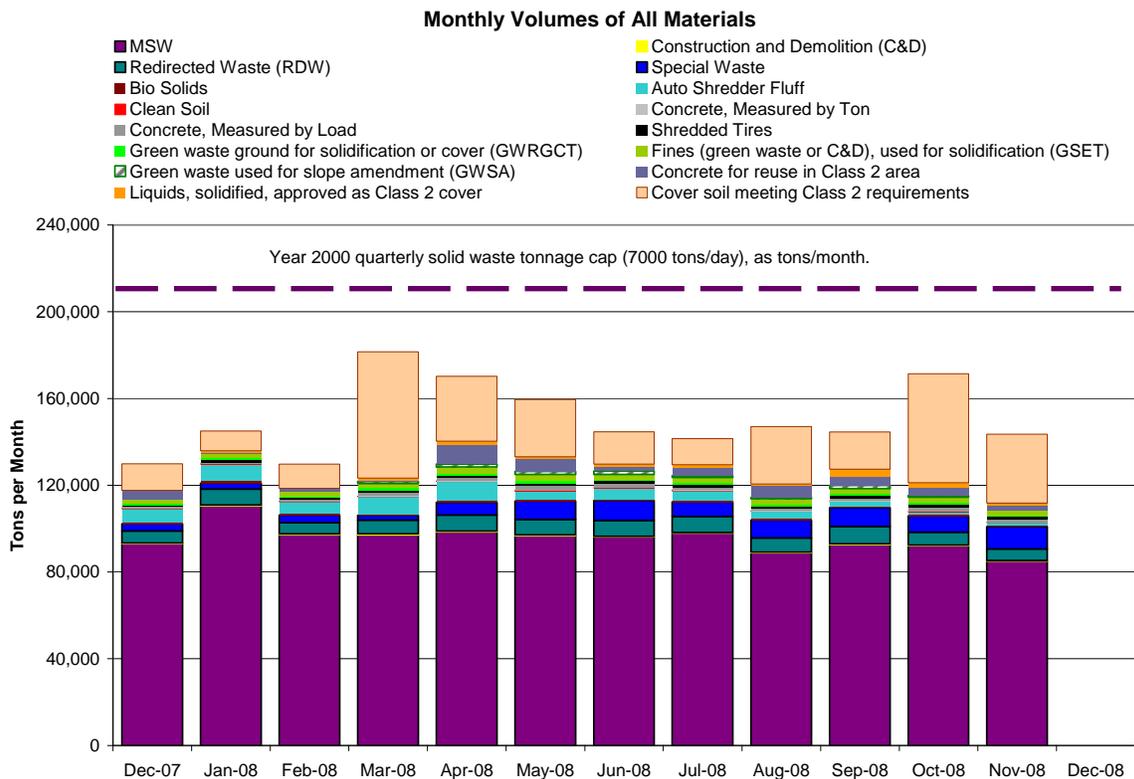


Figure 3



**ALRRF Community Monitor Monthly Report**

**November 2008**

**Reports Received**

Monthly Tonnage Report for October 2008, dated November 11, 2008

Tonnage Summary:		<u>tons</u>	
By Source Location			
1.1	Tons Disposed from Within Alameda County	54,645.11	
1.2	Tons Disposed from City of San Francisco TS	39,664.69	
1.3	Other Out of County Disposal Tons	<u>5,557.27</u>	
	subtotal Disposed	99,867.07	
By Source Type			
2.1	C&D	306.68	
2.2	MSW	92,145.98	
2.3	Special Wastes	<u>7,414.41</u>	
	subtotal Disposed	99,867.07	
	Difference Not Yet Reconciled	0.00	0.00%
Other Major Categories			
2.4	Re-Directed Wastes (Shipped Off Site or Beneficially Used)	5,926.82	
2.5	Revenue Generating Cover	64,889.00	
	Total, 2.1 - 2.5	170,682.89	
Materials of Interest			
2.3.1	Friable Asbestos	355.46	
2.3.2	Class 2 Cover Soils	50,316.85	
2.5.1	Auto Shredder Fluff	1,350.36	
2.5.2	Processed Green Waste/MRF fines, Beneficial Use (GSET)	2,394.16	

Title V (Air Permit) Report for Dec 07 - May 08, dated June 30 2008, was picked up for review

**Site Visit(s)**

Site Inspection November 19, 2008, 12 noon to 2 PM

- Attended by Kelly Runyon.
- Escorted by Neil Wise.
- Routine inspection observing all aspects of refuse receiving and handling
- Also discussed and inspected preparations for wet weather, with emphasis on Basin B and Soil Stockpile 1, airphotos of which appears to show severe erosion.
- Construction is under way for LNG plant. Near Deutz LFG engines, stored materials are being cleared and rough grading is being done.
- Refuse fill was occurring along the south side of the landfill, with separate unloading areas for transfer trucks and the general public.
- C&D areas, solidification, and green waste areas are remaining in place, not being relocated as previously planned. This does not impact other aspects of operation.
- Plans for refuse fill during the winter months have changed. Fill will take place around the edges of the active area, raising it to an elevation close to that of the recently constructed winter pad.
- Grading to correct ponding was occurring in the green waste grinding area.

Wet Weather Preparations

- New V-ditch and culvert improvements evident. Weeds and litter continue to blow in and are being removed.
- Hydroseeding is in progress sitewide.
- Work at Stormwater Basin B and upslope is substantially complete. However, recent wet weather caused flow in ditches that led to erosion at a v-ditch discharge point; this is being addressed.
- Mulch has been applied to most exposed soil surfaces along the steep slopes on the south-facing portion of the filled area.
- At Soil Stockpile 1, erosional gullies have been filled and the former downdrain pipe has been replaced by a wide swale with wattle check-dams in chevron formation, to reduce flow velocity.
- Grading work was in progress on benches, ditches and drains along steep south facing slopes where refuse had been placed earlier this year.

Observation of Environmental Controls

- Substantial seagull activity near active areas of the landfill, plus some crows.
- A very minor water leak in an irrigation line on the front face of the closed area has resulted in one portion of the grassy cover remaining green into the late fall.
- No slides, seeps, slumps or other indication of slope failure were observed.
- Observed portion of asbestos area fence was intact.
- Minimal litter was seen along Altamont Pass Road near the site.
- Litter fences within the site had recently been cleaned. A minor amount of litter was observed beyond the fences
- Gas controls: Both turbines, and the flare were operating, and one IC engine was operating. The other IC engine appeared to be under repair.
- In reviewing LEA inspection reports, the need for a revised gas monitoring workplan continued to be noted as an "Area of Concern" by the LEA in early November. Also, some ponding was noted in the green waste grinding area.

**Other Observations**

- Landfill operations at working face were proceeding normally; traffic was light.
- No Class 2 materials were seen in the Class 3 portion of the site.
- The Special Occurrences Log noted one new incident since the previous inspection: an end-dump truck delivering soil tipped over while unloading on October 27. There were no injuries; the only damage was to the truck that tipped.
- Damage to guard rail and roadway lights was noted along the entry road within the site. A customer truck had recently run off the road in this area. There were no injuries.

ALRRF Community Monitor Monthly Report

December 2008

Reports Received

Monthly Tonnage Report for November 2008, dated December 8, 2008

Tonnage Summary:		<u>tons</u>	
By Source Location			
1.1	Tons Disposed from Within Alameda County	52,091.74	
1.2	Tons Disposed from City of San Francisco TS	34,424.40	
1.3	Other Out of County Disposal Tons	8,992.32	
	subtotal Disposed	95,508.46	
By Source Type			
2.1	C&D	161.76	
2.2	MSW	85,132.87	
2.3	Special Wastes	10,213.83	
	subtotal Disposed	95,508.46	
	Difference Not Yet Reconciled	0.00	0.00%
Other Major Categories			
2.4	Re-Directed Wastes (Shipped Off Site or Beneficially Used)	5,376.70	
2.5	Revenue Generating Cover	43,176.62	
	Total, 2.1 - 2.5	144,061.78	
Materials of Interest			
2.3.1	Friable Asbestos	404.17	
2.3.2	Class 2 Cover Soils	31,753.58	
2.5.1	Auto Shredder Fluff	1,477.73	
2.5.2	Processed Green Waste/MRF fines, Beneficial Use (GSET)	2,434.40	

Title V (Air Permit) Report for Dec 07 - May 08, dated June 30 2008

- From the downtime logs for gas control devices (engines, turbines) it is apparent that the engines require extensive ongoing maintenance.
- Outages of monitoring wells may (or may not) have exceeded regulatory limits in several instances. Clarification has been requested from ALRRF staff.

Site Visit(s)

Site Inspection December 30, 2008, 8AM to 10:15 AM

- Attended by Kelly Runyon, and by Elena Birch-Carl of Treadwell & Rollo.
- Escorted by Neil Wise.
- Observed refuse receiving and handling, solidification, and other routine operations.
- Observed and photographed completed side slopes of refuse fill, for future reference in Spring after winter rains have occurred.
- Construction for LNG plant continues. Foundation grading is well along.
- Installation of additional gas wells and a 24-inch gas header (south perimeter) is continuing.
- Refuse fill was occurring along the southwest side of the landfill, upslope from the scale houses, with separate unloading areas for transfer trucks and the general public.
- Livermore green waste pile contained more bagged materials (refuse?) than is typically seen. May be due to excessive refuse at some residences, caused by holiday activity. Also more evidence of food scraps, and some pumpkins.

Stormwater Controls and Best Management Practices

- Hydroseeding appears complete, but germination has been minimal thus far. Recent rains may trigger germination.
- Corrections to stormwater controls at Basin B are not yet complete. Due to muddy conditions it was not possible to directly observe this area.
- In a few places, exposed soil surfaces along the steep slopes on the south-facing portion of the filled area show minor erosional rilling. ALRRF management is aware of this and will repair it.
- At Soil Stockpile 1, the swale and check-dams appear to have handled recent wet weather well.
- Slopes below the leachate treatment facility were observed from Altamont Pass Road and appear to be in good condition after recent wet weather.

Observation of Environmental Controls

- Substantial seagull activity was seen near active areas of the landfill. A peregrine falcon was observed very near an obviously wounded seagull. Apparently the falcon had attacked the gull and intended to finish it off. All other gulls in the vicinity were flying much higher than usual above the site. Propane bird-scare cannons, recently damaged, have been replaced but were not heard during this inspection.
- No slides, seeps, slumps or other indication of slope failure were observed.
- Observed portion of asbestos area fence was intact.
- No appreciable litter was seen along Altamont Pass Road near the site.
- Gas controls: Both turbines, the flare, and both Deutz engines were operating.
- In recent LEA inspection reports, gas monitoring continued to be noted as an "Area of Concern" by the LEA.
- Water is being imported for on-site use, particularly truck washing.
- Loadout of solidification material (to be used as cover) was closely observed. The material appeared rather dry with little or no free liquid.

**Other Observations**

- Landfill operations at working face were proceeding normally; traffic was light. Equipment included 2 dozers and 2 compactors, the normal complement.
- No Class 2 materials were seen in the Class 3 portion of the site.
- The Special Occurrences Log noted one new incident since the previous inspection: damage to guard rail and roadway lights had been caused by a customer truck that ran off the entry road. This had been noted in our previous inspection report.



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# memorandum

date January 2, 2009  
to ALRRF Community Monitor Committee  
from Kelly Runyon  
subject CMC Meeting of 1/14/09 - Agenda Item 6.5 - Update on Groundwater Monitoring

At the November 5 Committee meeting, in discussion of groundwater monitoring techniques used at the ALRRF, I stated that because the method currently used at Altamont is less stringent than the ASTM method, I could not rule out the possibility that it presented a slightly greater risk of failing to detect low levels of contamination.

There has been further discussion with Waste Management staff regarding this issue, and we have been told that some testing has been done to compare existing practices with ASTM-standard techniques. However, other business and end-of-year holidays have prevented us from communicating further with WM staff. We have been assured that we will have the opportunity to review this information prior to the January 14 Community Monitor Committee meeting. We will provide a verbal update to Committee members at that meeting.



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# memorandum

date January 2, 2009  
to ALRRF Community Monitor Committee  
from Kelly Runyon  
subject CMC Meeting of 1/14/09 - Agenda Item 6.6 - Outline of Annual Report

The Community Monitor's Scope of Work includes the preparation of an Annual Report, "no later than the end of the contract period each year summarizing the CM's activities and the ALRRF's compliance record with respect to all applicable environmental laws and regulations."

Attached is a proposed topic outline for the report. Feedback from Committee members, regarding topics to add, delete, emphasize or de-emphasize, would be welcome through the January 14 Committee meeting date. We propose to submit the report to City of Livermore staff by January 30, 2009. This should allow sufficient time to resolve and report on open issues in three areas: groundwater monitoring techniques, landfill gas well outages, and apparent minor discrepancies in Class 2 soil acceptance files.

**Proposed Outline of Community Monitor Annual Report**

**Feb 2008 - Jan 2009**

**Section 1 - Introduction**

Contractual Framework

Settlement Agreement

CMC Established; scope and limitations defined

CM established; scope and limitations defined

WMAC obligations related to CMC / CM

City of Livermore Role

staff support

contract management for CM

Prior Community Monitor efforts

Techlaw work; relevancy concerns

Overview of Landfill Operations

Primary Function: Safe Disposal of Solid Waste

General Regulatory Requirements

Isolate wastes from environment and the public

State the basic requirements: cover, stability, etc.

Protect nearby water resources

State the basic requirements: groundwater protection / monitoring, surface/storm water, etc.

Protect air quality

State the basic requirements: dust, odor, landfill gas control; diesel emissions; other

Opportunities

Energy / fuels from landfill gas

Space for material processing & recovery

Public education

Industry trends

Landfills: fewer, larger, farther

Rail haul

Vertical expansion

Constraints & opportunities unique to ALRRF

Mitigations from expansion EIR

Limited use for out-of-county wastes

Traffic restrictions

Limited footprint for refuse disposal

Natural resource protection

Settlement Agreement requirements

CMC / CM (described above)

Funding for education / mitigation

Setting and watershed issues

Film plastics vs. wind conditions

Local policy: 75% diversion by 2010

Local disposal capacity tightening

Other

historic groundwater issues; how addressed; current status

LFG to LNG

**Proposed Outline of Community Monitor Annual Report**

**Feb 2008 - Jan 2009**

**Section 2 - Summary of CM Activities and Issues**

Introduction

Three activity areas

Review of reports

Site Inspections

Class 2 Soils file review

Review of reports

Semiannual Groundwater monitoring report

Two reports reviewed

Primary concern: purge methods at groundwater wells

describe basis for concern

update on WM's efforts to address the issue

Second concern:

small but increasing concentrations of nitrogen-rich substances in vadose zone

approach for now: watch and report

Annual Mitigation Status Report

One report reviewed

General concern: when are mitigations triggered?

Example: Alkali sink protections

Semiannual Title V report

One report reviewed

Report format not amenable to easy analysis

No significant compliance issues apparent from report

Monthly tonnage reports

12 reports reviewed

Refuse tonnages well below EIR / CUP limits

Substantial & variable amounts of Class 2 cover soil

Out-of-county tonnage increasing

Many categories of non-refuse material (examples)

General issue: not easy to know if all reports submitted to regulators are provided to CM

Examples: LFG probe plan sent to LEA, not to CM; Title V report not sent

Need a mechanism for assurance

Check occasionally with permit agency staff?

Site Inspections

Monthly inspections at varying times and days

Table showing dates, announced / unannounced, with/without LEA

Typically, general review of operations plus emphasis on one area (gas system, stormwater, etc.)

No issues regarding refuse placement, public safety, traffic management

Staff / management seem candid & forthcoming

Problems, when noted, usually resolved by next inspection (typically sooner)

Various special operations on site are well defined and maintained

Most problems seen on inspections arise in connection with non-routine aspects of operation

Gas system expansion

Stormwater management improvements

Class 2 soils file review

Over 350 files for 2008

Generally diligent and thorough efforts to characterize and classify materials

Minor issues noted regarding completeness of a very few profiles (about 2%)

**Proposed Outline of Community Monitor Annual Report**

**Feb 2008 - Jan 2009**

**Section 3 - Anticipated Efforts and Issues**

Introduction

Expect similar level of effort in three activity areas

Current Fill Area now understood, but expansion area may require time to review agency submittals

Anticipated issues for review of reports

Groundwater monitoring methods (issue currently seems to be resolving)

Vadose zone groundwater quality - continue to watch

Gas probe network - may continue to evolve

Status of mitigations - consider working more closely with County as expansion approaches

Monthly tonnage reports - out-of-County tonnages / sources

Method needed to assure CM sees all reports to which entitled

Anticipated issues for inspections

Increased emphasis on gas control system

Rapid change occurring: new wells, LNG plant

Closely related to groundwater quality

Complex regulatory framework

LNG plant construction: impact on operations?

Stormwater quality, especially Basin B

Anticipated issues for Class 2 soils file review

Need a systematic way to spread work load across year rather than surge at end

Anticipated issues for CM / CMC functioning

Hope to avoid extra time spent on report prep in 08 due to rescheduled meetings