

Ruiz, Jose A

From: Lottig, Justin [JLottig@wm.com]
Sent: Thursday, December 30, 2010 3:20 PM
To: Ichinotsubo, Lene K
Cc: Fujimoto, Janice K; Whelan, Joseph; Frey, Jesse; Von Pein, Rick; Keener, Laura; Miyashiro, Thomas; Ruiz, Jose A
Subject: Incident Alert and Follow Up on Today's DOH Inspection

Aloha Lene,

Today, Jose and Tom were at the site to inspect the progress of cell E6 repairs. Although I was not involved with today's inspection, I spoke with our Engineer, Jesse Frey, and he was. According to Jesse, Jose asked if we were going to submit an incident alert for the storm that happened late on 12/27/10. Our initial notification was to Jose and Tom verbally when they were at the site on 12/28. I've attached a copy of the follow-up.

During the inspection today, the DOH reminded Waste Management that the Emergency Action Plan (EAP) must be implemented per item 13.b.ii. This plan was implemented preceding and following both storms. The EAP requires that:

Prior to a forecasted storm,

- *WGSL personnel will inspect all drainage on-site structures to verify that they are in working order.*
- *Excessive silt in ditches and basins will be removed and the condition of pipes and discharge structures from basins will be verified.*
- *Diversion berms will be constructed around the current disposal area as needed to prevent run-on from entering the waste fill, and to prevent runoff from the waste fill areas of the site.*
- *Interim cover will be placed over exposed waste at the end of the working day prior to the forecasted beginning of a severe storm.*

All of these items were completed before and following both storms. Additionally, the EAP says that:

A Severe Storm Inspection (Post-Hurricane / Severe Storm Forms [Appendix B]) will be conducted, if necessary, during any prolonged storm event to correct or repair any conditions that have been damaged or that may cause damage to on-site or off-site facilities. Excessive silt/sediment will be excavated out of the sedimentation basin and drainage channel/ditches as necessary.

A severe storm form was completed for each storm on the days following each respective storm. Those forms are attached. On the day following the storm on December 20, WM took the extra step of having a certified engineer complete the inspection, although this was not required by the plan or the permit. Site management completed the form on December 28.

It is unclear to me where there is a requirement to use a certified engineer to complete the inspection.

EXHIBIT K53

2/11/2011

According to permit condition 13.c:

If the acceptance and disposal of waste ceases, the permittee(s) shall submit a written evaluation of whether waste acceptance can resume. The evaluation shall be prepared by a professional engineer registered in the State of Hawaii and the Site Manager, certifying that the landfill and its associated environmental controls are functional, equivalent, or better than required, and that operation of the landfill will not cause a violation of environmental regulations.

However, waste acceptance and disposal was reduced, but it did not cease on any of the affected days.

Please let me know if you have any other questions. Thank you.

<<WGSL Severe Storm Damage Report_122010.pdf>> <<Incident Alert Form Follow up 123010.pdf>>
<<WGSL Severe Storm Damage Report_122810.pdf>>

Justin H. Lottig

Environmental Protection Manager

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EXHIBIT K53

2/11/2011 .

WAIMANALO GULCH SANITARY LANDFILL
92-460 Farrington Highway
Kapolei, HI 96707

POST HURRICANE / SEVERE STORM DAMAGE REPORT FORM

Type of Storm (Depression, Tropical Storm, Hurricane): Winter (Kona) Storm
Date / Time / Duration: 12/202010, 1:30 am-5:00 pm, 15.5 hours
Date / Time of Inspection: 12/21/2010, 1030

Note: Fill out one form for each damage observation.

1. What is damaged? Underground electrical conduit
2. Location of damage: Along main haul road
3. Description of Damage: Erosion has exposed the underground electrical conduit along the haul road.

Log of Corrective Actions Implemented:

1. No action taken to date.

Date damage was repaired: _____

Damage repaired by: _____

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Date / Time of Inspection: 12/21/2010, 1030

Note: Fill out one form for each damage observation.

1. What is damaged? Sideslopes/Landfill Cover/Access Roads

2. Location of damage: Across site

3. Description of Damage: West facing sideslope of the West Berm, south of Gas Probe 7, water is seeping out and running off-site towards the HECO property. Landfill cover across the site has eroded, exposing MSW in some sections. Cover material has settled on access roads. Access road to the ash sump leachate tank is limited to 4x4 vehicles due to muddy material on road.

Log of Corrective Actions Implemented:

1. No action taken to date due to muddy conditions on sideslopes.

Date damage was repaired: _____

Damage repaired by: _____

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Date / Time of Inspection: 12/21/2010, 1030

Note: Fill out one form for each damage observation.

1. What is damaged? Drainage Structures
2. Location of damage: Drainage rip-rap, interceptor drains, downdrain at Ash Toe Berm
3. Description of Damage: Concrete drainage swales/rip-rap and interceptor drains on the western haul road plugged with soil/rocks. Corrugated HDPE downdrain pipe below the Ash Berm Sump has become separated and sections of pipe are scattered down the sideslope, several pieces are located in the sediment basin.

Log of Corrective Actions Implemented:

1. Laborers working on clearing drainage swales and interceptor drains of sediment.

Date damage was repaired: Sediment removal is on-going

Damage repaired by: _____

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Date / Time of Inspection: 12/21/2010, 1030

Note: Fill out one form for each damage observation.

1. What is damaged? Entire Cell E-6 area is inundated with water.
2. Location of damage: Cell E-6 (Partial)
3. Description of Damage: Flooding of cell due to flash flood up-canyon of cell resulting in sediment, water and debris across the floor of the cell. Entire cell was initially completely under water. Sump power and controls disconnected so that they would not be underwater. Sump risers are completely under water.

Log of Corrective Actions Implemented:

1. Sump control panel was disconnected and removed from service due to rising water.
2. Two, 8-inch water pumps pumping water from cell into nearby manhole connected to HOBAS pipe Western Surface Water Drainage System.

Date damage was repaired: Pumping is on-going

Damage repaired by: _____

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Type of Storm (Depression, Tropical Storm, Hurricane): Winter (Kona) Storm
Date / Time / Duration: 12/27/2010, 5:30 PM to 8:00 PM, 2.5 hours
Date / Time of Inspection: 12/28/2010 1100

Note: Fill out one form for each damage observation.

1. What is damaged? Underground electrical conduit
2. Location of damage: Along main haul road
3. Description of Damage: Erosion has further exposed the underground electrical conduit along the haul road.

Log of Corrective Actions Implemented:

1. No action taken to date.

Date damage was repaired: _____

Damage repaired by: _____

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Log of Corrective Actions Implemented:

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Date damage was repaired: _____

Damage repaired by: _____

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Log of Corrective Actions Implemented:

1. Laborers working on clearing drainage swales and interceptor drains of sediment.
2. Contractor cleaning inlets with vacuum truck.

Date damage was repaired: Sediment removal is on-going

Damage repaired by: _____

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Log of Corrective Actions Implemented:

1. Berm below Cell 6 was reinforced in case of more rain

Date damage was repaired: Awaiting sample results_____

Damage repaired by: _____