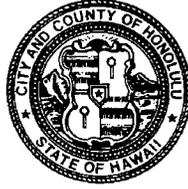


DEPARTMENT OF ENVIRONMENTAL SERVICES
CITY AND COUNTY OF HONOLULU

1000 ULUOHIA STREET, SUITE 308, KAPOLEI, HAWAII 96707
TELEPHONE: (808) 768-3486 • FAX: (808) 768-3487 • WEBSITE: <http://envhonolulu.org>



KIRK CALDWELL
MAYOR

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DIRECTOR

TIMOTHY A. HOUGHTON
DEPUTY DIRECTOR

ROSS S. TANIMOTO, P.E.
DEPUTY DIRECTOR

IN REPLY REFER TO:

December 16, 2016

ERC16-182

The Honorable Virginia Pressler, M.D.
Director of Health
State Department of Health
Clean Water Branch
919 Ala Moana Boulevard, Room 309
Honolulu, Hawaii 96814-4920

Dear Director Pressler:

Subject: Spill Report
Alii Nui Dr. and Kalailoa Dr./ West Beach Pump Station No. 2 Force Main
Honouliuli WWTP NPDES Permit No. HI 0020877

In accordance with the Hawaii Administrative Rules, Chapter 11-62, Appendix B, Section 4.a, the City submits details of a spill event. The five-day reporting waiver was given by Mr. Marshall A. Lum of the Hawaii State Department of Health (DOH) to Mr. Jerome Ababa on December 1, 2016.

1. DESCRIPTION:

Approximately 201,600 gallons of wastewater spilled from a break in the West Beach Pump Station No.2 Force Main (Asset ID # 652814). The break occurred approximately 2,200 feet from the force main valve box. Approximately 28,000 gallons of wastewater were recovered from the environment, and the remaining volume dissipated into the ground. The public was not allowed access to the spill area, and no wastewater reached State waters.

2. DATE AND DURATION:

The start of the spill is estimated to be November 29, 2016, at 10:00 a.m. based on change in flowrate recorded by SCADA. An eye witness observed and reported the spill at 8:00 a.m. on November 30, 2016. The spill was secured November 30, 2016, at 4:45 p.m. when the 20-inch force main was diagnosed as the discharging force main and the valve was closed.

Mr. Nestor Beltran contacted Mr. Watson Okubo of the (DOH) at 1:28 p.m. on November 30, 2016, and had follow-up telephonic conversations at 3:30 p.m. on November 30, 2016, and 8:20 a.m. on December 1, 2016.

Mr. Jerome Ababa contacted Mr. Marshall Lum of the DOH wastewater branch (WWB) on December 1, 2016, at 9:08 a.m. to discuss reporting requirements and request extension to reporting deadline.

Mr. Okubo requested signs be posted to inform public of the spill and control entry to the spill location. Six (6) spill signs were posted according to the attached spill map. Signs were removed at approximately 11:30 a.m. December 2, 2016.

The City issued a press release on November 30, 2016. The City issued a revised press release later that same day.

No sampling was required since the wastewater spill did not reach surface waters nor State waters.

3. CAUSE:

Pipe failure due to external corrosion on the 20-inch concrete cylinder force main.

4. REMEDIAL ACTION:

City crews mobilized hauling trucks to tanker flows from West Beach Resort Wastewater Pump Station (WWPS) #2 to West Beach Resort WWPS #1, and operators stopped the flow to the West Beach FM #2. Approximately 192,928 gallons were hauled between West Beach WWPS #2 and West Beach WWPS #1. Vactor trucks were also mobilized to the spill and recovered approximately 28,000 gallons from the excavated trench and ground.

The City hired a third party contractor to repair the force main. A 16-foot section of concrete cylinder pipe was excavated and replaced by 20-inch ductile iron pipe with

The Honorable Virginia Pressler, M.D.
December 16, 2016
Page Three

two (2) 20-inch mechanical joints to secure new pipe to existing pipe. West Beach FM #2 was returned to normal operation December 1, 2016, at 3:00 p.m. and the repairs were completed with the backfill of the trench on December 2, 2016.

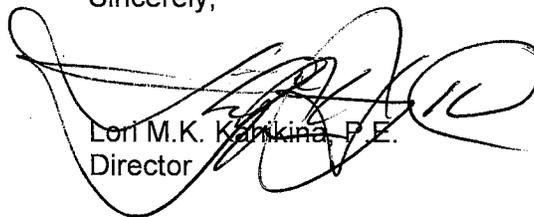
The spill area was disinfected and deodorized on November 30, 2016. The area was cleaned, disinfected, and deodorized on Friday, December 2, 2016. Follow-up cleaning, disinfection, and deodorizing was conducted on Tuesday, December 6, 2016.

The City will conduct a quick force main condition assessment of West Beach FM #2, and the City will proceed with a new planning and design contract to replace West Beach FM #2. In addition, the City will conduct monthly surface inspections of the FM right of way.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Mr. Jerome Ababa of our Division of Environmental Quality, at 768-3255.

Sincerely,



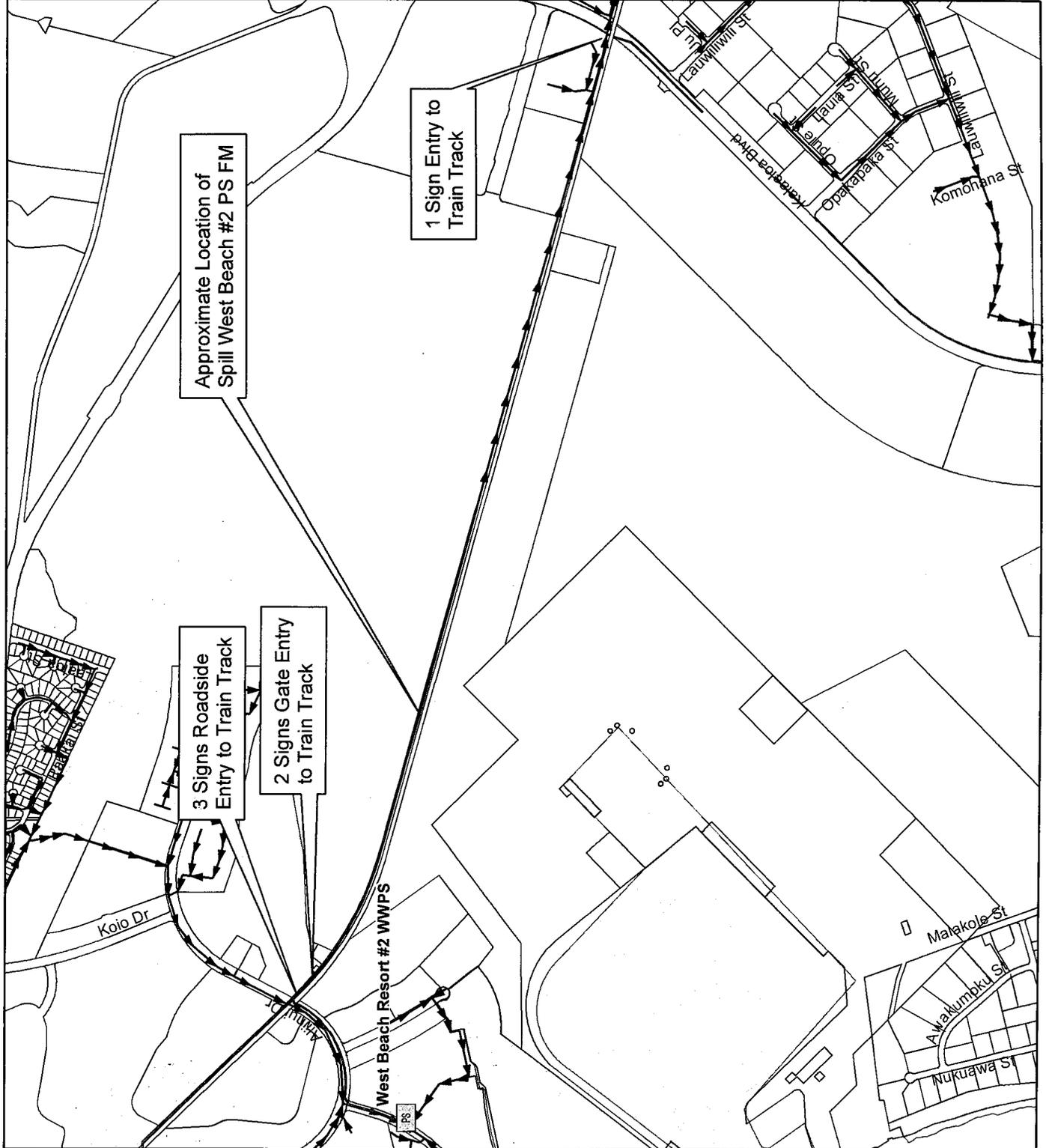
Lori M.K. Kankina, P.E.
Director

Attachments: Attachment 1 (Sign map)
Attachment 2 (Press Releases)

**West Beach #2
PS FM
6 Signs Posted
11/30/16
4:00 pm
Honouliuli WWTP
NPDES-HI 0020877**



Prepared by: Dept. of Design & Construction
City & County of Honolulu
650 South King Street
Honolulu, Hawaii 96813
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Force main break in Ko Olina

KAPOLEI – The Department of Environmental Services responded today to a force main break in the Ko Olina area.

A 16-inch force main, associated with West Beach No. 1 Wastewater Pump Station, broke in an unimproved area outside the Ko Olina Golf Course. The cause of the break is unknown at this time, and the spill volume is estimated to be more than 1,000 gallons. Crews have contained the spill.

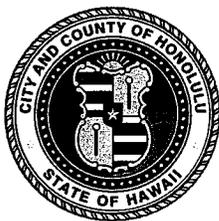
ENV crews are utilizing tanker, Vactor and cesspool trucks to capture as much of the flow near the West Beach No. 1 WWPS and distributing it at the West Beach No. 2 WWPS on Waipahe Place.

The city's Department of Design and Construction is hiring a third-party contractor to repair the pipe.

The state Department of Health was notified of the break and warning signs are posted.

Residents in the Ko Olina area are urged to conserve water and not excessively use toilets, sinks, dishwashers, washing machines and showers until the break is repaired.

-END



NEWS RELEASE
DEPARTMENT OF ENVIRONMENTAL SERVICES
CITY & COUNTY OF HONOLULU

FOR IMMEDIATE RELEASE

November 30, 2016

Markus Owens, ENV PIO: (808) 768-3454

Force main break in Ko Olina

KAPOLEI – The Department of Environmental Services responded today to a force main break in the Ko Olina area.

A 20-inch force main, associated with West Beach No. 2 Wastewater Pump Station, broke in an unimproved area outside the Ko Olina Golf Course. The cause of the break is unknown at this time, and the spill volume is estimated to be more than 1,000 gallons. Crews have contained the spill.

ENV crews are utilizing tanker, Vactor and cesspool trucks to capture as much of the flow near the West Beach No. 2 WWPS and distributing it at the West Beach No. 1 WWPS on Waipahe Place.

The city's Department of Design and Construction is hiring a third-party contractor to repair the pipe.

The state Department of Health was notified of the break and warning signs are posted.

Residents in the Ko Olina area are urged to conserve water and not excessively use toilets, sinks, dishwashers, washing machines and showers until the break is repaired.

-END-



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