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PORT OF SEATTLE
MEMORANDUM

COMMISSION AGENDA
STAFF BRIEFING

Item No. 7c
Date of Meeting February 5, 2013

DATE: February 1, 2013
TO: Tay Yoshitani, Chief Executive Officer
FROM: Ralph Graves, Managing Director, Capital Development
Tina Soike, Chief Engineer
SUBJECT: T-115 DECLARATION OF EMERGENCY

BACKGROUND:

In accordance with Resolution 3605, Paragraph 4.2.3.6, we are informing the Commission that an emergency was declared on January 25, 2013 at Terminal 115 to undertake an immediate and comprehensive geotechnical survey, followed by immediate public works repair in all areas impacted by the rupture of a 10" diameter waterline, and subsequent discharge of 13 million gallons of water, subsurface, at the terminal.

Upon discovery of the water main rupture on December 26, 2012, the water was shut off and the water pipe was repaired and returned to service on December 31, 2012. However, the extent of the water damage to the pavement and substructure is clearly extensive and imposes risk to property, equipment, and life if not repaired as soon as possible.

OTHER DOCUMENTS ASSOCIATED WITH THIS BRIEFING:

Declaration of Emergency dated January 25, 2013

PREVIOUS COMMISSION ACTIONS OR BRIEFINGS:

None.



ITEM NO.	7c Supp
DATE OF MEETING	February 5, 2013

January 25, 2013

TO: Tay Yoshitani, Chief Executive Officer

FROM: Ralph Graves, Managing Director, Capital Development

SUBJECT: DECLARATION OF EMERGENCY

On December 26, an underground 10" diameter main waterline ruptured at Terminal 115. The water was shut off, the break in the line was located approximately nine feet below grade and repair of the 10-inch ruptured water main was completed on December 31, 2012.

Water meters indicate the initial waterline rupture discharged roughly 13 million gallons of water, subsurface, at the terminal.

The paved surface in this area includes a 16" concrete-treated base with a six-inch asphalt overlay designed to support container handling equipment with 280,000 lb. axle loads.

It is likely there are extensive undetected sub-surface voids caused by the rupture. It is unknown whether it is safe to operate terminal yard handling equipment at this time.

As such, there is risk that a large, heavy piece of cargo handling equipment could break through the surface and fall into an undetected void. This could pose significant risk to property, equipment, and life safety.

Staff believes it is imperative to undertake an immediate and comprehensive geotechnical survey, followed by immediate repairs to areas impacted by the ruptured water main.

Under the lease agreement, the Port is responsible for maintenance and repair of the waterline and the repair of any damage caused by water line failures.

The water line is repaired and in service.

The extent of damage to the soil and asphalt from the water line break is clearly extensive, however since the high-pressure water migrated beneath the paved surface, areas in need of repair cannot be determined without geotechnical analysis.

Until safe areas of operation are identified and repairs are completed, terminal cargo operations are being impacted. In order to avoid possible risk to loss of property, equipment and life these repair must be undertake immediately.

Staff intends to:

- Retain a Geo-Tech firm to assess the extent and area of damage.
- Hire a contractor to complete paving repairs prior to April 1, 2013.

A Geo-Tech analysis needs to be completed to determine more specifically the extent of damages and repairs necessary to restore the asphalt and soil conditions to the condition prior to the waterline break.

A construction contractor must then complete the repairs and return the property back to the tenant by the April 1, 2013.

It is requested that the Chief Executive Officer make a finding that an emergency exists at Terminal 115 Northland area and authorize expedited award of service agreements and public works contracts as necessary per RCW 39.04.020, RCW 39.04.280 and RCW 39.80.060 to effect the emergency repairs.

REQUESTED:

June Sotke

DECLARED:

Robert A. Evans