



INTER-OFFICE MEMORANDUM

DATE: July 17, 2012
TO: SFPUC Commissioners
THROUGH: Ed Harrington, General Manager *EH*
FROM: Tommy T. Moala, AGM Wastewater Enterprise *TTM*
SUBJECT: Update on North Shore Force Main Emergencies
Agenda Item 5E / Scheduled for July 24, 2012

The North Shore Force Main conveys all of the dry weather raw sewage from the North Shore Drainage Basin to the Southeast Water Pollution Control Plant for treatment. It is a 36 inch steel pipe with no redundancy. If this line were to be out of service for more than a day, we would be forced to discharge primary treated flow in violation of our permit. On April 24th, 2012, you approved the award of a contract to build a redundant force main, but it will not be completed until next year.

The following is an update of the recent emergencies attributed to the North Shore Force Main. Both emergency declaration letters are attached for reference.

On March 20, 2012, the SFPUC Wastewater Enterprise requested an emergency be declared to immediately repair a leak detected at the intersection of Mission Street and the Embarcadero from the existing North Shore Force Main, which had failed due to joint separation at several locations, causing sewage to flow onto the roadway surface requiring the force main to be operated at substantially reduced capacity. As mentioned above, this force main is a critical conveyance pipeline that does not have any redundancy.

The leak at the Mission and Embarcadero was repaired at a total contract cost of \$600,000.00

On June 4, 2012, the SFPUC Wastewater Enterprise's Operations, requested an emergency be declared to immediately repair additional leaks detected in segments of the North Shore Force Main under The Embarcadero, between Jackson Street and Howard Street. Although the leak near Mission Street has been repaired, subsequent dye-testing of the force main indicated that additional leaks are occurring along the entire length of the pipe; therefore, additional emergency repair work is necessary.

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Vince Courtney
Commissioner

Ed Harrington
General Manager



We received two contractor proposals for a design/build contract to fix the leaks. We are currently negotiating teams with Shimmick Construction, the lowest bidder, for an initial contract amount of \$4.2 Million.

It is in our interest to fix this line for the long term, even with a new line, because we need the redundancy to facilitate maintenance and prevent such emergencies in the future.