



City of Seattle
Seattle Public Utilities

Combined Sewer Overflow (CSO) 150 Outfall Rehabilitation SEPA Determination of Non-Significance (DNS)

Description of Proposal

Parts of the City of Seattle are served by combined sewer systems. In these areas of the City, sewage, industrial wastewater, and stormwater runoff are collected in combined sewers that convey the combined flows to regional wastewater treatment facilities. During storm events, the quantity of stormwater flowing into the combined sewers sometimes exceeds the capacity of the system. When this happens, the system overflows at combined sewer overflow (CSO) outfall structures designed for this purpose. There are currently 87 outfalls in the City of Seattle where CSOs can occur.

SPU's CSO Outfall Rehabilitation Program was initiated to rehabilitate these outfalls as necessary. This Environmental Checklist analyzes environmental effects of the proposed rehabilitation project at CSO Outfall 150, which collects flows from an approximately 400 acre tributary area in the eastern part of Ballard.

CSO Outfall 150 was originally designed and installed in 1935 as a submerged 30 inch diameter wood stave pipe emerging from the shoreline below the surface of the Ship Canal. The pipe was mounted on saddle-mount wooden braces affixed to the pilings of a public pier located at the south end of 24th Avenue Northwest. Since 1935, approximately 53 feet of the pipe has deteriorated and fallen away, and less than 10 feet of the original pipe remains in place beneath the pier.

The proposed project would rehabilitate CSO Outfall 150 by replacing the existing maintenance hole just upstream of the shoreline and then installing a replacement outfall comprised of approximately 50 feet of 30 inch diameter epoxy-coated ductile iron pipe and approximately 110 feet of 30 inch diameter high-density polyethylene (HDPE) outfall pipe. Construction would use open-trench methods on land and a piling-supported mounting system in the water. The new outfall would be installed along the west side of the pier's pile supports. As determined by geotechnical explorations, a loose, unconsolidated layer of sediment, greater than 7 feet thick, underlies the new pipeline's alignment within the Ship Canal. Approximately 70 feet of the 30 inch HDPE pipe would be supported just above this sediment layer by piling-pair mounts of concrete-filled, 8 inch rectangular, concrete-filled steel tubing driven to a depth sufficient to be bedded in competent sediment. The existing wood stave pipe would be capped and abandoned in place per City of Seattle standards.

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The new outfall pipe would be aligned slightly to the west of the original wood stave pipe alignment and between the two piers that are currently located at the outfall site, one of which (the eastern pier) is owned by SDOT and the other of which is a privately owned pier east of the Pacific Fishermen Shipyard.

Construction staging would be located within approximately 3,000 square feet of an informal parking area within the right-of-way along 24th Avenue Northwest. The project would also replace an existing 2 foot tall concrete retaining wall at the Salmon Bay/Ship Canal shoreline with a new rock facing and crushed basalt revetment surface placed on a slope of approximately 1:7 (rise: run) to protect the new pipeline from the wave action of passing ship traffic.

Once constructed, the pipeline may need to be cleaned and inspected in the future. For purposes of evaluating environmental impacts of that activity, SPU estimates that inspection and cleaning would not occur more frequently than once every 5 years over the remaining lifespan of the pipe (estimated to be 60 years). Cleaning would be conducted by land-based "vactor" equipment using the nearest principal upstream structure accessible by land. Pipe contents would be jetted into the Ship Canal, with turbidity controls if required. Following cleaning, the pipe would be inspected by closed-circuit television camera (CCTV) to document its condition and serviceability. CCTV inspections would be conducted by land-based equipment using the nearest principal upstream maintenance hole structure.

Proponent

Seattle Public Utilities
Seattle Municipal Tower Suite 4900
P.O. Box 34018
Seattle, WA 98124-4018

Location of Proposal

The project is in the Ballard neighborhood in the City of Seattle (zip code 98107). CSO Outfall 150 is located south of the intersection of 24th Avenue Northwest and Northwest Market Street in the designated Shoreline Street End and right-of-way of 24th Avenue Northwest (southwest quarter of Section 11, Township 25N, Range 3E; 47° 40' 1.1" N; 122° 23' 16.5" W). The project would be situated entirely within the improved street right-of-way for 24th Avenue Northwest. There is no street address for this project. The project is located in the Cedar/Sammamish Water Resource Inventory Area (WRIA 8).

Lead Agency

Seattle Public Utilities, the lead agency for this proposal, has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

This Determination of Non-significance (DNS) is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for fourteen (14) days from the date below.

A copy of the environmental checklist is available at:

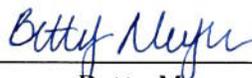
- Seattle Public Utilities, Director's Office Main Reception Area, Seattle Municipal Tower, Suite 4900, 700 Fifth Avenue, Seattle, Washington
- Seattle Central Library, Public Review Documents, Level 5 Reference

Public and Agency Comments

Comments must be submitted by September 26, 2013 and must be sent to:

Betty Meyer, SEPA Responsible Official
Seattle Public Utilities
Seattle Municipal Tower, Suite 4900
P.O. Box 34018
Seattle, WA 98124-4018
betty.meyer@seattle.gov

Signature:


Betty Meyer

Issue Date: September 12, 2013

Appeals

Appeals of this DNS must be accompanied by a \$85.00 filing fee and must be filed by 5:00 p.m. on October 3, 2013.

- Written appeals must be sent to:
City of Seattle Hearing Examiner
700 5th Avenue Suite 4000
P.O. Box 94729
Seattle, WA 98124-4729
- Appeals can be filed electronically. Details on electronic filing procedures are available under "e-File" at the Office of the Hearing Examiner's web site:
<http://www.seattle.gov/examiner/>
- Filing fees must be paid by the appeal deadline and can be paid *via* check (made payable to the City of Seattle) or credit/debit card (Visa and MasterCard only). Credit/debit card payments can be made in-person or over-the-phone.

You should be prepared to make specific factual objections. Please refer to the Hearing Examiner Rules of Practice and Procedure for rules that govern appeals. These rules are available on the Hearing Examiner's website at www.seattle.gov/examiner/rules-toc.htm or by calling 206-684-0521.