

March 19, 2020

TO: Recipients of the Sewer Lining (C317017) SEPA DNS/Checklist

FROM: Betty Meyer, SEPA Responsible Official

SUBJECT: Addendum to Sewer Lining (C317017) SEPA Environmental Checklist and Determination of Non-Significance

PURPOSE OF THIS ADDENDUM

In December of 2019, Seattle Public Utilities (SPU) prepared a State Environmental Policy Act (SEPA) Environmental Checklist that analyzed environmental impacts of the proposed Sewer Lining (C317017) Project. As lead agency for SEPA, SPU issued a Determination of Non-Significance (DNS) for the project on December 30, 2019.

As described in the SEPA Environmental Checklist, SPU uses its Sewer Lining Program to rehabilitate City of Seattle sewers located in street rights-of-way relatively quickly and with minimal impacts. The sewers are rehabilitated by installing cured-in-place pipe (CIPP) liners. Work typically includes traffic control and permitting, public relations, coordination with other utilities, bypass pumping, pre-installation pipe cleaning and inspection using closed circuit television (CCTV), debris removal, obstruction removal, CIPP installation, reinstatement of active side sewer laterals, post-installation CCTV inspection, and restoration of undeveloped areas to pre-construction conditions. The SEPA Checklist evaluated proposed sewer rehabilitation of 1,659 linear feet of 15-inch diameter sewer mainline pipe at four sites: Site 19, Site 27, Site 39, and Site 46.

In early March 2020, SPU discovered a 24-inch diameter sewer main with a deformed pipe crown, which could lead to a pipe collapse. This vitrified clay pipe is in the street right-of-way for S Bayview St between Rainier Ave S and Martin Luther King Jr Way S (Attachment A). SPU determined the subject 320-foot pipe section can be lined to extend its service life. This proposed work has not been identified as an emergency but is considered urgent. SPU intends to incorporate this site into an existing sewer lining construction contract and install the CIPP liner as soon as April or as soon as all permits and approvals have been obtained. SPU is also considering alternate contracting methods with a focus on executing the work as soon as possible to prevent a pipe collapse in the right-of-way. Thus, SPU has prepared this SEPA Addendum to document this additional work and to assess how this change affects analyses in the SEPA Environmental Checklist.

As lead agency, SPU has reviewed the findings and concluded that adding this S Bayview St site does not substantially alter the impact analyses in the SEPA Environmental Checklist and will not result in any significant environmental impacts. This Addendum has been prepared in accordance with the authority provided in Seattle Municipal Code (SMC) 25.05.600 and in accordance with the procedures described in SMC 25.05.625.

UPDATED PROJECT INFORMATION

This lining project would be routine and would occur entirely within the street right-of-way for S Bayview St. Equipment would be positioned in that right-of-way and would require no more than five working days to complete. All other work would be as evaluated in the Sewer Lining (C317017) Project SEPA Checklist. No additional technical reports have been prepared that directly relate to this proposal.

CHANGES TO ENVIRONMENTAL ELEMENTS

Environmental Checklist Section B2: Air

The SEPA Environmental Checklist estimated the project's total greenhouse gas (GHG) emissions to be 19 metric tons of carbon dioxide emission (MTCO_{2e}). The GHG emissions calculations were included in the Checklist's Attachment C and are summarized here in Table 1.

Table 1. 2019 Environmental Checklist Summary of GHG Emissions

Activity/Emission Type	GHG Emissions (pounds of CO _{2e}) ¹	GHS Emissions (metric tons of CO _{2e}) ¹
Buildings	0	0
Paving	0	0
Construction Activities (Diesel)	38,232	17.4
Construction Activities (Gasoline)	2,673	1.2
Long-term Maintenance (Diesel)	0	0
Long-term Maintenance (Gasoline)	0	0
Total GHG Emissions	40,905	19

¹Note: 1 metric ton = 2,204.6 pounds of CO_{2e}. 1,000 pounds = 0.45 metric tons of CO_{2e}

SPU estimates that adding this one additional site will require approximately 594.2 and 50 gallons of diesel and gasoline fuels, respectively, resulting in generation of an additional 7.8 MTCO_{2e} of GHG emissions. As a result, the project's revised total GHG emissions are estimated to be 55.0 MTCO_{2e}, as summarized in Table 2.

Table 2. Revised Summary of GHG Emissions

Activity/Emission Type	GHG Emissions (pounds of CO _{2e}) ¹	GHS Emissions (metric tons of CO _{2e}) ¹
Buildings	0	0
Paving	0	0
Construction Activities (Diesel)	54,008	24.6
Construction Activities (Gasoline)	3,888	1.8
Long-term Maintenance (Diesel)	0	0
Long-term Maintenance (Gasoline)	0	0
Total GHG Emissions	57,896	26.4

Environmental Checklist Section B14: Transportation

The SEPA Environmental Checklist estimated 95 vehicle round trips would be generated by project construction due to workers and materials being transported to and from the sites. Construction at this additional site is anticipated to generate an additional 72 vehicle round trips.

If you have questions about the proposed work, please call or email:

Shailee Sztern, Project Manager
Seattle Public Utilities
Project Delivery and Engineering Branch
Seattle Municipal Tower, Suite 4900
P.O. Box 34018
206-256-5256
shailee.sztern@seattle.gov

Any comments must be submitted via email or USPS no later than April 3, 2020 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: March 19, 2020

For interpretation services please call **(206) 256-5256**

Wixii turjubaan afka ah ku saabsan, Fadlan la soo xariir taleefoonka **(206) 256-5256**

Para servicios de interpretación por favor llame al **(206) 256-5256**

Về dịch vụ phiên dịch xin gọi **(206) 256-5256**

**ATTACHMENT A:
SITE MAP FOR SEATTLE PUBLIC UTILITIES' SOUTH BAYVIEW STREET SEWER LINING SITE**

