



# Oregon

Kate Brown, Governor

Department of Environmental Quality  
Northwest Region  
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February 9, 2018

Michael Bogdan  
Sanofi-Aventis U.S.  
55 Corporate Drive  
Mail Code 55A-300A  
Bridgewater, NJ 08807

Subject: DEQ Review "Re: Outfall and Associated Branch Piping Lining Repair Procedure from Review of the 2016 CCTV Survey Videos of the Repaired Liners"  
RP-Portland Site  
ECSI #155

Dear Mr. Bogden:

The Oregon Department of Environmental Quality (DEQ) received the *Re: Outfall 22B and Associated Branch Piping Lining Repair Procedure from Review of the 2016 CCTV Survey Videos of the Repaired Liners* (Work Plan) dated November 15, 2017. The Work Plan was prepared by Insituform and addressed to StarLink Logistics. Insituform prepared the document to address defects identified by the City of Portland Bureau of Environmental Services and StarLink in the CIPP and manhole lining. The plan outlines defects and repair methods for each location.

StarLink provided additional information regarding the Work Plan in a January 17, 2018 email from Ryan Stringfellow (see attachment).

DEQ has no comments on the plan, but requests StarLink notify DEQ 24 hours prior (or earlier if possible) of any repair work and the scope of the planned work.

Please feel free to contact me at 503 229-5538 if you have any questions.

Sincerely,

Matt McClincy, Project Manager  
DEQ NWR Cleanup Program

C: Joan Underwood, Quantum Management Group  
Jim Benedict, Cable, Huston, Benedict, Haagensen & Lloyd  
Eva DeMaria/EPA (electronic only)  
ECSI #155

Attachment: January 17, 2018 Email from Ryan Stringfellow, Subject 2018 Outfall 22B Repair Plan

January 17, 2018 Email from Ryan Stringfellow, Subject 2018 Outfall 22B Repair Plan Attachment 1

**From:** [Ryan Stringfellow](#)  
**To:** [MCCLINCY Matt](#)  
**Cc:** [Joan Underwood](#); [LACEY David](#)  
**Subject:** 2018 Outfall 22B Repair Plan  
**Date:** Wednesday, January 17, 2018 1:33:08 PM  
**Attachments:** [image001.png](#)

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Hello Matt,

StarLink is providing the attached Outfall 22B CIPP and manhole lining repair plan to DEQ. StarLink attended a pre-construction meeting with the City of Portland Bureau of Environmental Services (BES), Insituform, and Terra Hydr (Insituform's subcontractor) on January 11, 2018 to review and confirm the repair plan and set a tentative schedule. Insituform prepared the document to address defects identified by BES and StarLink in CIPP and manhole lining on City property and within the City right of way. The plan outlines defects and repair methods for each location.

Implementation process:

- Insituform will submit confined space entry and traffic control plans to BES for approval prior to starting work.
- Insituform plans to begin repair work involving manned-entry and grouting during favorable weather conditions (minimal stormwater flow in the pipe) beginning in mid-February 2018.
- Repairs involving cutting out and replacing liner will be conducted in July or August during extended periods of dry weather and lower groundwater elevations.
- A BES inspector will inspect and approve a group of repairs before the next group of repairs is started.
- BES will be notified if a deviation from the repair plan is deemed necessary. A formal request may need to be prepared for BES.

Please let me know if you have any questions about the repair plan or upcoming work.

Regards,

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**Ryan Stringfellow**, Project Manager  
Quantum Management Group, Inc.  
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