



Nampa Wastewater Division

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August 15, 2019

Idaho Department of Environmental Quality
1410 North Hilton
Boise, ID 83706

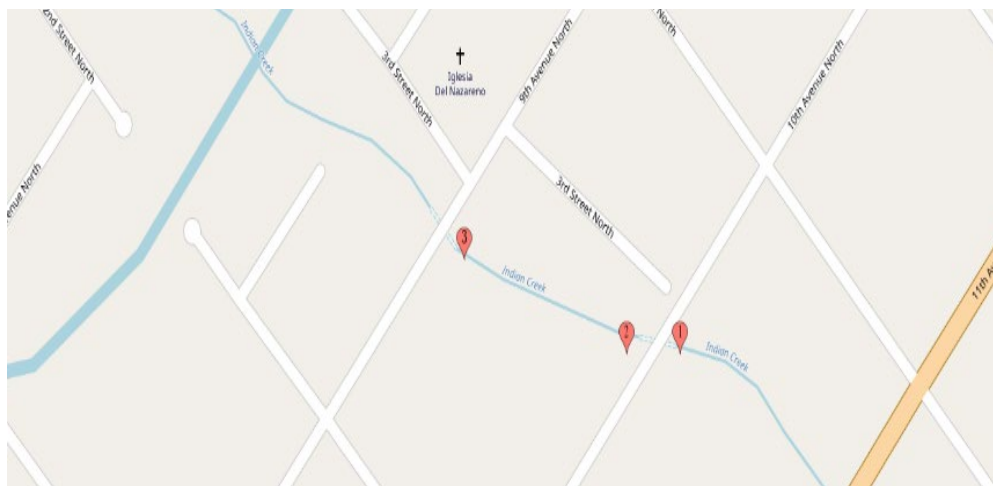
RE: Permit ID0022063, Notice of Sanitary Sewer Overflow (SSO) of an Aerial Sewer Crossing

To Whom It Concerns:

In accordance with Permit No. ID0022063, sections I.B.2 (Reporting is required within 24-hours from the time the permittee becomes aware of the a minimum daily limit or instantaneous maximum limit violation) and III.G, the City of Nampa Wastewater Treatment Plant (WWTP) is providing this written notification following the 24-hour telephone notice occurring on August 14, 2019 at 1330PM, that the WWTP staff received notification on August 13, 2019 at 1520PM, from City of Nampa Engineering Department of aerial sewer discharge into Indian Creek at the 200 block of 10th Avenue North, caused by a leak in the 18-inch steel pipe.

Based on previous flow study, approximately 800 gallons of sanitary sewer (5 gallons per minute (GPM)) was discharged into Indian Creek, leaking from earliest discovery of 1450 PM until repair at 1730PM. Immediate response action occurred, and the leak was permanently repaired.

This aerial sewer pipe was already scheduled for *Cured In Place Pipe* (CIPP) maintenance repair on Wednesday, August 14, 2019, by Pipeline, LLC. Was under contract to wrap the pipe until new design was complete (see attached SP3003 – Steel Pipe Coating and Lining) as identified in the City's Aerial Sewer Replacement Rehabilitation project. Prior to the discovery, the Contractor was onsite Friday, August 09, 2019, and the leak had not yet occurred. The assigned Project Manager was onsite Tuesday, August 13, 2019 and noticed a foul smell, discovering the aerial sewer pipe crossing leak, immediately notifying City staff. At 1530PM City staff responded to the site, contacted the contractor for emergency response to repair (placing a temporary patch on the crossing), while WWTP staff began sampling upstream and downstream around 1600PM. Samples for Biological Oxygen Demand (BOD), total nitrogen, total phosphorus (TP), and e. Coli were taken at the following locations and transported to WWTP on-site lab for analysis and are awaiting results.



IC #1 = 43.583826, -116.557133 – location and sample prior to discharge into Indian Creek
 IC #2 = 43.583827, -116.557492 – immediately following discovery of discharge
 IC #3 = 43.584125, -116.558587 – 100 meters downstream at the next bridge crossing

The contractor arrived at 1630PM and prepped the crossing under the bridge, wrapping the 18” pipe with T-rex product and the leak was stopped with temporary repairs by 1730PM. Ongoing sampling continues to occur downstream for analysis, as well as final repairs, completed by 1330PM.

Photo of pipe prior to leak:



History:

In Fiscal Year 2017 (FY17) the City performed an emergency repair on aerial sewer crossing. In January 2018, TO Engineers developed an aerial sewer concept plan. In April 2018, TO Engineers developed the design for six aerial sewer crossing repair/replacement construction project. In September 2018, TO Engineers provided the design, easement assistance, acquisition, bidding, and construction. All aerial crossings were designed in FY18 and construction in FY19 to coincide with the irrigation offseason. Constructing the project during the irrigation offseason would reduce the need for bypass pumping and improve constructability. Table 1 identifies all city of Nampa sewer line aerial crossing locations.

Table 1 - City of Nampa Sewer Line Aerial Crossing List				
Address	Pipe Type at Crossing	Casing	Size	Rating
10 th Ave/ N. 4 th Street	Steel/Ductile Iron	No	18"	2
2 nd Street North	Steel/Ductile Iron	No	18"	2
Lone Star Road	Steel/Ductile Iron	Casing	8"	2
S. Gem Street	Steel/Ductile Iron	No	8"	2
W. Roosevelt Avenue	Steel/Ductile Iron	No	24"	2
W. Kinghorn Drive	Steel/Ductile Iron	Casing	15"	2
Smith Avenue	Steel/Ductile Iron	Casing	15"	2
2 nd Avenue North	Steel/Ductile Iron	No	18"	2
Garland Street	Steel/Ductile Iron	No	8"	2
E. Florida Avenue	Steel/Ductile Iron	No	8"	2
N Broadmore Way	Steel/Ductile Iron	No	12"	2
Sagittarius Way	Steel/Ductile Iron	No	27"	2
S. Sugar Street	PVC	Casing	8"	4
S. Sugar Street	CIPP	Casing	10"	4
S. Taffy Drive	Steel	No	15"	4
N. Orchard Heights	PVC	Casing	12"	4
N. Gateway Street	CIPP	Casing	8"	4
N. Broadmore Street	PVC	Casing	8"	4
E. Colorado Ave. (NNU)	PVC	Casing	18"	4
N. Broadmore Way	Fiber Glass	Casing	42"	4

The project of six aerial sewer crossings identified for maintenance repair/replacement was put out for bid in September 2018 and the City did not receive any bids. Therefore, Blue Sky Construction, who was already under contract for other projects, was approached for construction price negotiations. Priority of repair was based on the age of the infrastructure and assessment. Table 1 below references identified sewer line Aerial Crossing locations:

Six identified aerial sewer crossings in need of rehabilitation included:

Table 2 - Aerial Sewer Crossing Replacement FY18 Project - PWWW180041			
Site No.	Erosion Permit #	Site Address	Proposed Start Date
1	ERO-02912-2019	2 nd Avenue North	2/18/2019
2	Not issued - delayed	10 th Avenue North	8/14/2019
3	ERO-02913-2019	19 th Avenue North	3/11/2019
4	ERO-02914-2019	Fern Street	03/18/2019
5	ERO-02915-2019	Fern Street	03/25/2019
6	ERO-02916-2019	Shoshone Avenue	03/01/2019

Site two, 10th Avenue North was delayed for *Cured In Place Pipe* (CIPP) repair following an initial inspection conducted by City Engineering and additional assessment conducted by TO Engineers after Blue Sky Construction began cleaning through form of sandblasting on May 19, 2019, when pinholes and other signs of corrosion were visible. Additional CCTV footage was taken on May 24, 2019 by WWTP staff and internal holes were not visible. The repair was scheduled CIPP repair on August 14, 2019. Pipeline permanently repaired the 18' leaking pipe via CIPP and completed the repair by 1330PM, August 14, 2019. Photos of repair below:



TO Engineers are under task to continue the design for six additional aerial crossings to be repaired this fall/winter.

Please do not hesitate to contact me at (208) 468-5840 or zimmermana@cityofnampa.us with any further questions or concerns regarding this incident.

Sincerely,



Andy Zimmerman
City of Nampa Wastewater Treatment Plant Superintendent

Cc: Nate Runyan, P.E., City of Nampa Deputy Public Works Director
Mark David, Project Manager, Engineering
Shannon Johnson, Wastewater Treatment Plant Assistant Superintendent
Krista McNitt, Regulatory Compliance Analyst