



## SEWAGE COMPLIANCE INSPECTION REPORT

NPDES / WQM Permit No. <b>PA0026077</b>	Mo/Day/Year <b>7-31-2019</b>	Entry Time <b>1215</b>	Exit Time <b>1700</b>	Inspection Type <b>INCDT</b>	eFACTS Inspection ID <b>2920137</b>
Facility Name: <b>Carlisle Regional Water Pollution Control Facility</b>		Permittee Name: <b>Carlisle Borough</b>			
Physical Location/Directions: <b>54 N. Middlesex Road Carlisle, PA 17013</b>				Permit Expiration Date: <b>10-31-2022</b>	
Municipality: <b>Middlesex Township</b>		County: <b>Cumberland</b>		Permit Renewal Application Due: <b>4-30-2022</b>	
Facility Type: <input checked="" type="checkbox"/> Municipal <input checked="" type="checkbox"/> Major <input type="checkbox"/> Non-Municipal <input type="checkbox"/> Minor		Treatment Process: <input type="checkbox"/> Ext Aeration <input type="checkbox"/> Contact Stabilization <input type="checkbox"/> SBR <input type="checkbox"/> RBC <input type="checkbox"/> MBR <input type="checkbox"/> MBBR/IFAS <input type="checkbox"/> Trickling Filter <input type="checkbox"/> Lagoon <input type="checkbox"/> Other:			
Design Flow: <b>MGD</b>					
Responsible Official: <b>Susan Armstrong</b>		Does the facility have an Operator in Responsible Charge: <input type="checkbox"/> Yes <input type="checkbox"/> No			
Title: <b>Assistant Borough Manager</b>		Operator Name:			
Permittee <b>53 West South Street</b> Address: <b>Carlisle, PA 17013</b>		Circuit Rider: <input type="checkbox"/> Yes <input type="checkbox"/> No			
		Client ID: License Expiration Date:			
		Class-Subclass(es):			
		Operator properly certified for treatment process type: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Business Phone: <b>717-249-4422</b>		Business Phone:			
Cell Phone:		Cell Phone:			
Email: <b>sarmstrong@carlislepa.org</b>		Email:			
24-Hour Emergency Contact Person / Phone / Email:					
VIOLATIONS: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> None Identified During Inspection <input type="checkbox"/> Pending Sample Results					
<b>A discharge of pollution from the Letort Interceptor Rehabilitation Project work site to the Waters of the Commonwealth is in violation of Sections 401 and 402 of The Clean Stream Law.</b>					
<b>An unpermitted discharge of sewage to the Waters of the Commonwealth is in violation of Sections 201 and 202 of The Clean Streams Law</b>					
Recommendations:					
Person Interviewed:		Date:		Inspector: <b>Michael Benham</b>	
Signature:		Phone No.:		Inspector Signature:  Date: <b>8/14/19</b>	
Title:		Title: <b>Water Quality Specialist</b>			
Email:		Email: <b>mhenham@pa.gov</b>			
This document is official notification that a representative of the Department of Environmental Protection inspected the above facility. The findings of this inspection are shown above and on any attached pages. * Any violations which were noted during the inspection are indicated. Violations may also be discovered upon examination of the results of laboratory analyses of the discharge and/or review of Department records.					





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### Comments

A site inspection was conducted at 1215 hours. The inspection was in response to an incident reported by phone to the Department on 7-31-2019 at 1043 hours concerning a fish kill on the Letort Spring Run inside the Carlisle Army Barracks. I was met by Officer Thurner-Diaz and Officer Garmin of the PA Fish and Boat Commission at the Carlisle Army Barracks Visitor Center. Once on the base, we were met by Mr. Darrell Spoonhour (Biological Science Technician) and Mr. Paul Herzer (Chief Environmental Officer) for Carlisle Army Barracks. During the inspection, personnel from the Carlisle Regional Water Pollution Control Facility (Carlisle STP) arrived. Mr. Herzer stated that the initial report of a fish kills had come in at ~ 1000 hours.

There was an active work site for the Letort Spring Interceptor rehabilitation project in the 600 block of Letort Lane (40.208849, -77.180845). The work site was an injection point for lining the 42" sanitary sewer pipe on an 1,100 feet section along Letort Lane downstream. The relining was completed as a cured-in-place-pipe CIPP process. The CIPP Process includes heated water in contact with a Styrene based resin. The work site was operated by Ric-Man Construction, Inc. To accomplish the in-place re-lining of the interceptor, an above-ground by-pass line had been constructed to convey the wastewater normally in the interceptor to the Carlisle STP. The sanitary sewer line (Letort Interceptor) and the bypass line follow the general path of the Letort Spring Run. An odor was present in the general area of the worksite and stream channel.

Immediately upstream of the injection site, the Letort Spring Run (Letort) separates with a portion of the flow conveyed into a man-made channel approximately 4' wide and 4' deep. There was numerous dead trout and minnows observed from 50' downstream of the injection site and continuing past Barry Drive to the Post Road crossing. Estimated numbers for dead fish were >100 in the 0.3-mile stretch of the man-made channel. A visual inspection of the Letort Spring Run (main stem) downstream of the split for the man-made channel was conducted with no dead fish observed. The Letort branches a second time and additional flow is released over a small dam and flows back towards the man-made channel, just past Ashburn Drive. In that segment of the Letort, no dead fish of any type were observed. One live golden rainbow (~14") was seen swimming upstream of the dam spillway. This segment of the Letort was not directly downstream of the injection work site.

A grab sample was taken at 1317 from the man-made channel near GPS coordinates 40.2090185, -77.1806573 for field tests. The results were pH = 7.92 S.U., DO = 10.02 mg/L, and the temperature was 17.9° C. A second grab sample 30' upstream, closer to the injection work site, was taken at 1320 from the same channel. The field test results were pH = 7.88 S.U., DO = 10.38 mg/L, and the temperature was 16.6° C. The water was clear and did not have any distinct odors. Personnel from the Carlisle Regional Water Pollution Control Facility had collected samples for volatile organic compounds (VOC) at the north and south branch of the Letort at Post Road (104, 102), Letort Lane at Barry Drive (103), Biddle Park upstream of work site (105), and just below the worksite on Letort Lane (106). These samples were taken to the PA Bureau of Laboratories for analysis of VOCs. Laboratory sample results and a Safety Data Sheet for Styrene are attached. Pennsylvania Fish and Boat Commission Officers were conducting a dead-fish count during the inspection.

At manhole 437, a trailered pump unit was observed with raw wastewater being discharged from a black pump hose that was open and leaning on the guardrail for a walkway crossing the stream channel. The black pump hose was previously used in the manhole to evacuate residual sewage and/or process water from the lining process to the bypass sewage line. The effluent connection on the pump was an orange hose running approximately 50 feet to a valve connection on the bypass line. The discharge from the black hose was spilling onto the walkway and was flowing out over ground with portions of the flow going to the stream channel and some back down into the manhole. One of the Ric-Man crew was made aware of the situation and moved the hose back down into the manhole. A grab sample was collected for field tests of the discharge. The field test results were pH = 7.93 S.U., Do = 0.23 mg/L, and the temperature = 32.2° C. The crewmember stated that they had been working in the manhole 30 minutes prior.

On 8-1-2019, a second visit to the site was conducted at 1030 hours. Many of the dead trout noted on the previous day were observed still in the man-made channel. Additional upstream visual inspections of the Letort were conducted along the entirety of Letort Spring Road. One live trout approximately 10" and one dead trout ~ 8" were observed in the 0.1-mile segment. Due to the amount of decay present, the one dead trout appeared to be in that spot for a longer period. At 1300 hours, the Department met with representatives from the Borough of Carlisle, PA Fish and Boat Commission, HRG, Ric-Man Construction, Inc., Sunbelt Pump and Power, and the US Army, Carlisle Barracks.



**SEWAGE COMPLIANCE INSPECTION REPORT****Photographs**

Photograph taken by Officer Thurner-Diaz of the PA Fish and Boat Commission of the unpermitted discharge of raw sewage from pump hose



Picture taken by Michael Benham of dead trout removed from channelized portion of Letort Spring Run upstream of manhole 437



Picture taken by Michael Benham of dead trout removed from channelized portion of Letort Spring Run near Barry Drive. Boot shown is 10.5 inches.

