

adequate for dewatering. This project had an 18-month construction completion schedule and was successfully completed 13-months ahead the deadline date of August 2017. The new plant is fully operational as designed and constructed. This work is complete.

- **Action Item 2. – Collection System Evaluation Program:** Continue implementation of and complete a 5-year system wide plan to evaluate the entire sanitary sewer collection system and develop schedule for repairs. The evaluation will include inspection of all manholes and collection system lines using smoke testing first followed by Closed Circuit Television (CCTV) inspections of high priority areas. The evaluation will be utilized to prioritize and perform critical repairs and also to plan and prioritize major rehabilitation projects for the future. A schedule to complete major rehabilitation projects identified during the evaluation will be submitted for EPD approval by December 2018.

To date, smoke testing was completed on over 203-miles of the sanitary sewer system. To date, 650 defects were found with the large majority occurring on individual property service lines or cleanout caps missing. Notification letters have been sent to those property owners requesting immediate repairs of those problems. The second round of smoke testing on previously tested lines is underway to determine if defects by the property owners are repaired. If repairs have not been completed in these locations, a final notification will be mailed for immediate repairs within 60-days. Any failure to make repairs within that 60-day time frame will dictate issuance of code violation or discontinuance of sewer service.

65 manholes were found to have defects in Phase 1 through Phase 3 and 56 have been repaired to date. Any manholes that could not be repaired in-house will be added the next Phase of the manhole rehab program. (See Action Item 3.).

To date, a total of 107 sections of sewer mains were found to have defects and all have been CCTV'd and relined using CIPP (cured in place pipe) technology totaling over 14,376 linear feet. During phase 3 CCTV of mains to be lined using CIPP, 10 locations were identified as needing point repairs before CIPP work could be finished. All point repairs were completed under an emergency contract and this phase of lining was completed. Phase 4 of the CIPP program to line 1,875 feet of sewer mains as well as Phase 5 CIPP program to line 3,622 of sewer mains have also been completed.

Additional sewer mains for Phase 6 CIPP program have been identified which include 280 feet of 8" sewer main and 1,389 feet of 12" sewer main.

The final 120-miles of the sanitary sewer system scheduled for smoke testing was completed and we are awaiting the final report from the contractor. The smoke testing project was completed 20-months ahead of the December 2018 deadline.