

**COUNTY OF ERIE
DEPARTMENT OF ENVIRONMENT & PLANNING
DIVISION OF SEWERAGE MANAGEMENT**

FROM: Mary L. Plesh, P.E., Senior Sanitary Engineer *MLP*
TO: David C. Millar, P.E., Secretary - ECSD No. 3 Board of Managers
DATE: January 31, 2024
RE: Erie County Sewer District No. 3
Contract No. Contract 68 (General/Mechanical)
Southtowns Incinerator Tray Scrubbers Replacement
and Crane Installation Project
Change Order No. 3

A change order for a cost increase of \$43,283.00 and a time increase of 33 days has been processed, for the above referenced contract, for extra work to procure and install over 60 feet of 6-inch diameter ductile iron drainpipe with a trap and new connections for Y-Scrubber, along with the required supports and other appurtenances. This work was required due to corroded connections, disconnection of X-Scrubber drain leading to insufficient support, newer plumbing codes, and new recommendations for optimal scrubber operation.

During the installation of X-Scrubber, which included drain replacement with a trap and new connections, it was discovered that without X-Scrubber drain attached, the Y-Scrubber drain had insufficient support in that area. Upon additional review, corrosion of the connection between Y-Scrubber and the scrubber drain was observed and this connection now requires replacement, as it cannot be reused. Replacement of the section of the main drain, where Y-Scrubber drain connects, also required replacement of the connection due to the configuration. With sections of this piping now requiring replacement, the existing materials of construction, carbon steel, for the Y-Scrubber drain is not in agreement with current plumbing codes and should be upgraded to ductile iron. Finally, the new tray scrubber manufacturer also recommends installation of a trap within the tray scrubber drain to regulate pressures and provide a better location for accurate pH measurement. These changes, unanticipated during design, requires replacement of the entire length of the Y-Scrubber drain.

The cost of \$43,283.00 will include procurement and installation of a 6-inch diameter ductile iron line with optimal alignment, a trap with appropriate valve connections, new connections to associated equipment and piping, new fittings, required supports, and all other appurtenances. The time increase is needed to procure ductile iron piping and fittings and allow for installation.

For your use at the next Board for Managers Meeting for Erie County Sewer District No. 3, I have enclosed a copy of Change Order No. 3. This is a receive and file item.

CC: J. Fiegl/G. Pecak/A. Coughlin/File 3.3.3.68