

CITY OF MIDDLETOWN
BOARD OF ESTIMATE AND APPORTIONMENT AGENDA
NOVEMBER 4, 2024 - 7:15 PM
COMMON COUNCIL CHAMBERS

1. ROLL CALL
2. NEW BUSINESS
 - 2.1. Authorization to approve the CDM Smith Air Facility Proposal
Jacob Tawil is requesting to approve the CDM Smith proposal for Air Facility Renewal and authorize the mayor to sign it.
3. WATER/SEWER/LAWN MAINTENANCE ADJUSTMENT
4. ADJOURNMENT

DEPARTMENT OF PUBLIC WORKS

MEMORANDUM

Date: October 4, 2024

To: Honorable Mayor DeStefano, Council President Rodrigues
and Members of the Common Council

Cc: Richard McCormack, City Clerk

From: Jacob Tawil, Commissioner of Public Works 

Re: CDM Proposal Air Facility Permit Renewal at WWTP

We are hereby respectfully requesting approval and signature of the attached proposal from CDM Smith in the amount of \$16,100 for engineering services in preparing the renewal application for the Wastewater Treatment Plant's Air Facility Permit. Available funds within the WWTP budget will be used.

Thank you.



October 31, 2024

Jacob S Tawil, P.E.
Commissioner
Department of Public Works
City of Middletown
16 James Street
Middletown, NY 10940

Subject: City of Middletown, Department of Public Works–
Proposal for Engineering Services to Prepare and Air Facility Registration Renewal for
the City of Middletown Wastewater Treatment Plant

Dear Mr. Tawil:

Camp Dresser McKee & Smith (CDM Smith) is pleased to submit this proposal to prepare an Air Facility Registration (AFR) renewal application for submittal to the New York State Department of Environmental Conservation (NYDEC) for the City of Middletown Department of Public Works (DPW), Wastewater Treatment Plant (WWTP).

Project Understanding

The DPW received a letter from the NYSDEC dated 9 October 2024, requesting the DPW provide a complete application to renew the AFR (air permit ID 3-3309-00038/00004) for the WWTP. The DPW is requesting CDM Smith to develop this application so that it can be submitted to the NYSDEC by December 29, 2024.

The following paragraphs outline the scope of work required to provide a complete AFR application.

Task 1 – Data Collection

CDM Smith will work closely with DPW staff to collect and verify the information and documentation necessary to complete the AFR renewal application. The information to be collected would include:

- A description of operations at the WWTP, including a process sketch of facility units and a plot plan or facility layout drawing – Confirm No Changes
- Sufficient data on facility activity to develop air emission inventories for the application, including:
 - Inlet wastewater flows to the facility,
 - Operating durations (hours/year) and/or annual fuel consumption for combustion units such as boilers, heaters, and generator engines, and



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- Identification of emission sources and air pollutant or odor control devices. (The existing facility has one odor control system, equalization tank and sludge storage tanks, one flare, several boilers and an emergency engine).

CDM Smith will review the application forms and NYDEC instructions to determine if additional information would be needed to complete the application.

Task 2 – Emission Calculations

CDM Smith will develop emission inventories for criteria air pollutants, as well as persistent, bio-accumulative, and toxic compounds as currently listed in 6 NYCRR Subpart 201-9. One set of draft calculations will be provided to the DPW for review and comment. One final set will be developed, incorporating comments from the DPW, for inclusion in the application package.

- Assumption: This scope and budget assume the emissions criteria and persistent, bio-accumulative, toxic compounds will be less than the thresholds subject to the 6 NYCRR 212 evaluation. If such thresholds are exceeded, additional funding would be required to complete the Part 212 evaluation.

Task 3 – AFR Renewal Application Preparation

CDM Smith will develop the AFR renewal application package including:

- Completed application form(s),
- Process operations description,
- Standard Industrial Classification Code (SIC) or North American Industrial Classification System Code (NAICS) for the facility,
- Emission calculations for all regulated air pollutants and persistent, bio-accumulative, and toxic compounds,
- A listing of the emission sources at the facility, and
- A listing of all applicable New York State and Federal requirements.

One draft application package will be submitted to the DPW for review and comment. One final package will be prepared, incorporating responses to DPW's comments, for submittal to NYDEC.

Deliverables

- One draft set of emission calculation results
- One final set of emission calculation results
- One draft AFR renewal application package



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- One final AFR renewal application package

assumptions

- Middletown Department of Public Works will provide sufficient process operations data to allow completion of the emission calculations.
- No 6 NYCRR 212 evaluation will be required.
- No air dispersion modeling will be required.

Schedule

The draft AFR application will be provided to Middletown Department of Public Works within 4 weeks of obtaining the required data from the DPW and the final AFR application will be provided within 1 week of receiving comments from the DPW on the Draft AFR.

Fee

CDM Smith's proposed fee for this project is \$16,100.

If you have any questions or require additional information, please do not hesitate to contact me at (516) 730-3916.

Very truly yours,

A handwritten signature in black ink, appearing to read "KEITH KELLY".

Keith F. Kelly, P.E.
Partner
Camp Dresser McKee & Smith

cc: John Pehrson, CDM Smith
Elizabeth Eastman, CDM Smith