

Environmental Risk Management

Engineering & Geology • Assessment & Remediation Consultants

March 7, 2023

Mr. Barry Stein City of Naples 1400 3rd Avenue North Naples, Florida 34102

VIA EMAIL: bstein@naplesgov.com

RE: Summary of Planned Source Removal Activities
City of Naples Wastewater Treatment Plant
1400 3rd Avenue North``
Naples, Collier County, Florida 34102
FDEP FAC ID #11/9102387
ERMI File No. E1763N

Dear Mr. Stein:

Environmental Risk Management (ERMI) has prepared this document to summarize proposed source removal activities to be completed in conjunction with the generator upgrade at the above referenced facility.

Following removal of the existing Aboveground Storage Tanks (ASTs) and demolition of the existing AST containment area, ERMI will complete excavation and source removal activities within the proposed generator concrete pad area as outlined below. The excavation is estimated to take 2 to 3 weeks to complete depending on the need to conduct dewatering activities. ERMI will coordinate with the bidding contractors to begin excavation activities once the storage tanks and existing pad are removed. Bidding contractors for the WRF Generator Replacement Project will not be required to assist with the contaminated soil excavation activities. ERMI will complete the excavation project with the assistance of our subcontractors.

- 1. ERMI will coordinate and oversee proper abandonment, by a subcontracted licensed well driller, all monitoring and recovery wells within the proposed concrete generator pad area.
- 2. ERMI will coordinate a ground penetrating radar (GPR) survey to be completed prior to any excavation work being conducted. City of Naples to coordinate relocation of water main and chemical lines located in excavation area prior to initiation of work.
- 3. ERMI will coordinate and oversee the excavation of soil within the 59-foot by 29.5-foot concrete generator pad area. ERMI will select a qualified subcontractor to perform excavation activities independent of the City of Naples WRF Generator Replacement Project.



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- 4. ERMI will coordinate transport and disposal of excavated soils during excavation activities. During excavation activities, ingress and egress along the access road will be necessary to facilitate loading of the excavated soils.
- 5. If water table elevations are above 6 feet below land surface, dewatering may be required to achieve the source removal goals. ERMI will coordinate, install, and operate dewatering equipment.
- 6. ERMI will coordinate delivery of backfill material. Selection of adequate structural fill will be confirmed by Johnson Engineering. If dewatering occurs during excavation activities, ERMI proposes the use of #57 stone below the water table. Filter fabric will be placed and selected structural fill will be placed above the water table.
- 7. ERMI will backfill the excavation area to approximately 3 feet below land surface. Compaction and required compaction testing will be performed by ERMI. Required testing will be set forth by Johnson Engineering.
- 8. ERMI anticipates 10 days to complete the required excavation activities. If dewatering is deemed necessary to complete the project, an additional 7 calendar days is anticipated to install and operate dewatering equipment.

Sincerely,

ENVIRONMENTAL RISK MANAGEMENT

Zachary McQuirt, PE

Project Engineer

Principal Geologist

Barry Murphree, PG

