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February 4th, 2020

Mr. John Rebar
Environmental Program Manager
Department of Natural Resources & Environmental Control
89 Kings Highway
Dover, DE 19901

Dear Mr. Rebar,

Enclosed please find Artesian Wastewater Management Inc.'s (AWMI) re-submittal of the Construction Permit Amendment application package for DEN 359288-01. The purpose of this re-submittal is to address the comments outlined in your November 30th, 2020 letter. The following is a brief description of how each of your comments has been addressed.

Section 6.5.1.5 of the Regulations requires the Construction Permit application to contain Plans. The Section further delineates specific requirements the Plans, at a minimum, must include. The GWDS is unable to locate a comprehensive, signed and sealed Plan set specific for the Phase 2 construction of the ANSRWRF addressing the regulatory requirements of Sections 6.5.1.5.1 and 6.5.1.5.2.

Response: In the original submission applicable plans were included as appendices within the Design Engineer Report (DER). For this submittal a completely separate plan set with drawings that meet all the requirements of Sections 6.5.1.5.1 and 6.5.1.5.2 is included. For the sake of clarity, several of these drawings have remained in the DER as they are referenced within that document.

Of the Plans submitted, most were not signed or sealed. Some indicated they were for an entirely different project, and others were developed specifically for a different permitting entity. Others were of 'standard detail,' unclear as to specific applicability, had the detail/info block cropped out, and labeled 'Not for Construction.'

Response: All plans in this submittal have been signed and sealed and references to other permitting entities have been identified. Problematic cropping has also been corrected.

Please note that some of the drawings were provided directly by the equipment manufacturer. As they utilize the same details and drawings for mass produced equipment some of these drawings may contain language describing them as standard details, or general drawings. This does not mean that they are not applicable to this project. As they were provided by a third party AWMI cannot alter them to erase such language.

Appendix A.1 Site Plan indicated it was intended to request of Sussex County the expansion of the Conditional Use #1724 and to amend the conditions of the recorded approved final site plan and was not signed or sealed.

Response: A signed and sealed site plan with all references to Sussex County removed is included with this submittal.

Appendix A.3 Process Flow Diagram/Hydraulic Flow Diagram was not signed or sealed.

Response: An updated version of the referenced drawing which has been signed and sealed is included in this submittal.

Appendix E.2a Storage Lagoons was not clear, the drawing had the information block cropped out and was not signed or sealed.

Response: A revised design of the storage facilities is included in this submittal. Note that since the last submittal the design of the storage lagoons has been changed. The design now calls for a single multi-use basin which will serve as both an influent equalization basin and a diversion lagoon. How this will function is detailed in the updated DER. The drawings showing the revised plan have been signed and sealed.

Appendix E.2b Lift Station – Typical was dated 2014, labeled ‘Standard Detail’ and was not signed or sealed.

Response: AWWMI maintains a standard specification for its lift stations which was adopted in 2014. The drawing is now signed in this revised submittal.

Appendix E.2c Headworks Screen Grit was dated 2003, labeled for a different project ‘Kent County Levy Court, Dover DE’ and was not signed or sealed.

Response: This piece of equipment was purchased from Kent County. AWWMI has since refurbished it. References to Kent County have been removed from the drawings and they are now signed and sealed.

Appendix E.2e Aqua Cloth Media Drawings was dated 2011, labeled Not for Construction and was not signed or sealed.

Response: These filters are a standard piece of equipment manufactured by Aqua Aerobics hence the date which matches when they first began producing them. Updated drawings have now been signed and sealed.

Section 6.5.1.6 of the Regulations requires the Construction Permit application to contain Technical Specifications. The Section further delineates specific requirements that the Technical Specifications, at a minimum, must include. The GWDS is unable to locate a signed and sealed comprehensive set of Technical Specifications specific to the Phase 2 construction addressing the regulatory requirements of Sections 6.5.1.6.1 through 6.5.1.6.10.

Response: In the original submission applicable specifications were included as appendices in the DER. In the current submittal a separate, stand alone, comprehensive spec book has been provided which contains all applicable items outlined in Sections 6.5.1.6.1 through 6.5.1.6.10. The specification book has been signed and sealed.

Please provide a comprehensive set of Plans and Technical Specifications for the Phase 2 Construction in accordance with Sections 6.5.1.5 and 6.5.1.6 of the Regulations. To expedite review of the resubmittal, please be sure to include a cross referencing of where each regulatory requirement may be located within the submittal.

Response: Stand alone, comprehensive Plans and Technical Specifications for the Phase 2 Construction of SRRF in accordance with Sections 6.5.1.5 and 6.5.1.6 are included in this submittal. To the extent practical cross referencing and callouts of specific sections in the regulations have been included to facilitate review. Please note that the DER has been designed to systematically walk through the regulations and detail how each have been satisfied in the submittal. The DER is extensively cross referenced with applicable sections of the regulations cited throughout.

Because ANSRWRF Operation Permit, DEN 359288-02 will require modification in conjunction with construction of Phase 2 of the ANSRWRF, please also provide an application for an amendment of the Operation Permit.

Response: AWMi will follow up this re-submittal with a submittal of a revised Operation Permit for the SRRF facility.

During previous discussions with the Department AWMi conveyed a desire to change the name of the facility from ANSRWRF to SRRF.

Response: All references to ANSRWRF have been removed from this submittal with the exception of the previously filed Record Drawings. SRRF shall be used in all documentation from this point forward.

Thank you for your assistance on this project. Please contact me should you require additional information or clarification on this submittal.

Sincerely,

A handwritten signature in black ink, appearing to read 'DK', with a long horizontal flourish extending to the right.

Daniel Konstanski, P.E., BCEE

Principal Engineer, AWMi