

APPENDIX B

Beachwalk Pump Station Condition Assessment

CCH shall assess the condition of the Beachwalk Pump Station in order to identify any condition-related issues that may impact its reliability in the interim period between completion of the condition assessment and upgrade or replacement of the pump station. The condition assessment shall include visual inspection, functional testing, and non-destructive testing where appropriate. The condition assessment shall take into account both the current condition and the performance history of individual components over the past five years. The condition assessment shall include consideration of the following pump station facilities.

- Structures
 - Pump station building
 - Emergency generator building
 - Wet well
- Main Mechanical Equipment
 - Pumps (including changes to pump curves)
 - Valves (including surge protection devices)
 - Piping
- Main Electrical and Control Equipment
 - Switchgear
 - Motor control center
 - Instrumentation
 - Control system
 - Pump speed controllers
 - Pump drive motors
 - SCADA
 - Standby Generator
- Instrumentation System Components
 - Flowmeter
 - Level sensors
 - Pressure sensors
 - Other instrumentation
- Safety Security Features
- Spare/Replacement Parts Inventory
- Support Systems
 - Lighting
 - Water
 - HVAC
 - Fuel storage and transfer
 - Sump pump
 - Portable pump connections and portable pumps (if present)
 - Overhead crane

The results of the condition assessment shall be summarized in a written report that identifies issues related to conditions that may impact the reliability of the pump station and the actions recommended to provide an appropriate level of reliability.