

**MEMORANDUM**

**DATE:** February 14, 2007  
**TO:** PPACG Board of Directors  
**FROM:** Richard Muzzy, Environmental Program Manager  
**THROUGH:** Robert MacDonald, Executive Director  
**SUBJECT:** Site Application for a Wastewater Pump Station for Colorado Springs Airport

***ACTION REQUESTED: Review and Approve***

**SUMMARY:**

The proposed Colorado Springs Airport Business Park Wastewater Pump Station and force main will serve the development of the Airport Business Park. The service area is approximately 934 acres, of which approximately 378 acres will be developed as mixed use commercial, office and industrial. Gravity sewers will convey the wastewater from this development to the proposed wastewater pump station located at the southwest corner of the development. The flows will be pumped from the proposed pump station to the north where it will join the existing 10” force main from the existing Drennan Wastewater Pump Station and ultimately flow into the Las Vegas Wastewater Treatment Facility (WWTF) for treatment.

The wastewater pump station and force main will be owned, maintained and operated by the Colorado Springs Utilities. The project has been designed by the Army Corps of Engineers as part of the Colorado Springs Airport Business Park.

The location map (Attachment 1) shows the wastewater pump station is located south of Milton E. Proby (formerly Drennan) Parkway at Powers Boulevard and the future Embraer Heights Road. The site is approximately one mile south of the existing Drennan Wastewater Pump station.

**PREVIOUS BOARD ACTION:**

None

**BACKGROUND:**

The location of the Colorado Springs Airport Lift Station is about one mile away from the exiting Drennan Lift Station and PPACG staff has proposed that these two lift stations be consolidated. It is also the preference of Colorado Springs Utilities staff to “work with the airport and Army Corps of Engineers to decommission the Drennan Lift Station and consolidate its function with the proposed pump station.” However due to the timing of the project and additional funding required, consolidation of the two lift stations does not appear to be feasible at this time.

A concern was noted by PPACG staff and the Water Quality Management Committee regarding the amount of emergency overflow storage. Currently adequate emergency overflow storage does not exist and both PPACG staff and the WQMC recommend that 3.25 hours of emergency storage at average daily flow be included in the approved design of the wet well. This will allow adequate time for CSU personnel to respond in case of an emergency before the gravity line becomes backed up.

**FINANCIAL IMPLICATIONS:**

None

**STAKEHOLDER PROCESS:**

The WQMC, which consists of representatives of special districts and local military installations who are involved with water quality management, along with local governments located within El Paso, Teller and Park Counties, reviewed the site application for the Colorado Springs Airport Wastewater Pump Station and forwarded its recommendation of approval to the PPACG Board of Directors.

**ALTERNATIVES:**

1. Approve the site application
2. Disapprove the site application
3. Request more information

**RECOMMENDATIONS:**

PPACG staff and the Water Quality Management Committee recommend approval of the site application for development of the Colorado Springs Airport Wastewater Pump Station. This site application meets the requirements of the Colorado Department of Health and Environment's Regulation No. 22 and is consistent with PPACG's Water Quality Management (208) Plan. This recommendation is contingent upon the approved design including 3.25 hours of emergency storage at average daily flow above the high water alarm and providing firm pumping capacity for the proposed 880 gallon per minute peak flow.

**PROPOSED MOTION:**

Approve site application for development of Colorado Springs Airport Wastewater Pump Station contingent upon the approved design, including 3.25 hours of emergency storage above the high water alarm and providing firm pumping capacity for the proposed 880 gallon per minute at peak flow.

**ATTACHMENTS:**

1. Location Map