



LOGISTICS MEMORANDUM
07-12

May 24, 2007

TO: Honorable Mayor Kathleen M. Novak and City Council Members

FROM: A.J. Krieger, City Manager 
Kurt Kowar, Logistics Center Manager 

SUBJECT: Wastewater Treatment Plant (WWTP) Closeout Summary

BACKGROUND:

On March 18th, 2002, the City Council approved a contract with Integra Engineering that began the process of planning for expansion/upgrade of the WWTP to meet all National Pollutant Discharge Elimination System (NPDES) requirements by June 1, 2006 as set forth by the EPA and CDPHE.

On May 13th, 2004 the City Council approved the construction of the expansion of the WWTP.

Logistics Memorandums 07-07 and 07-08 reflect change orders from the results of negotiations and necessary modifications made to ensure an operational geothermal HVAC system. Integra engineering has provided a letter summarizing the nature of the system, necessary modifications that were made, and the cost allocation for the work performed. Memorandum 07-08 specifically, is a reimbursement mechanism in which the City will pay Glacier Construction specific costs in Change Order 63, and will then be reimbursed by Integra Engineering for their share of costs in the geothermal HVAC system. This Change Order is net neutral to the City. City Staff would like to emphasize that geothermal heating and cooling was explored and implemented under indirect City Council direction. To our knowledge we have engineered and installed the first ever geothermal HVAC system in a WWTP which utilizes the energy potential of the process sewage. The concept and system has proven itself to be functional, however, like any first time endeavor, experienced its challenges and lessons.

Logistics Memorandums 07-09 and 07-10 reflect amendments to reimburse Integra Engineering for work performed during the construction of the WWTP plant. Except for costs reflected by extended construction duration, this work was time critical and allowed construction to progress without delay. Integra has provided a summary of the work performed and justification of reimbursement for extended construction duration costs.

Although challenged at times, the overall WWTP Expansion project was a successful project for all involved. The project team was able to meet the project goals under an extremely limited budget. The overall expenditure of approved contingency with all costs including fines and delay claims was less than 5%.

STAFF REFERENCE:

Please contact Kurt Kowar, Logistics Center Manager at kkowar@northglenn.org, or (303) 349-3772.