TTG TST
CONSULTING ENGINEERS

GREATROCK NORTH WATER AND SANITATION DISTRICT
ENGINEER'S REPORT
August 27, 2013

Reserve Analysis

I will bring a summary of my assessment of Olsson Associate's reserve analysis and bring my recommendation to the September Board meeting.

System Development Fee Analysis

I have initiated a review of Olsson Associates' system development fee analysis and will bring a summary of my assessment to the September Board meeting.

Concentrate Disposal and Evaporation Options

CSU Extension Agent

CSU's Extension Agent, Eric Hammond, will attend the September Board meeting to answer questions about water quality, plant health, etc. that may or may not support the concentrate/irrigation water blending concept.

WQCD/Solid Waste Program Meeting

WQCD and Solid Waste Program staff are meeting internally on August 27 to discuss how they will handling permitting and regulation of the concentrate/irrigation water blending concept. Bret Icenogle, of WQCD's Engineering Section, and I will discuss the outcome of this meeting and schedule a meeting specific to the District's situation.

Generator Status and Alarm Communications

I communicated with TLECC after last month's Board meeting. To get generator status/alarm signals they need to know that outputs are programmed into the generator at each site. I am searching for drawings for the generator control outputs and/or transfer switch contacts. To price the work, TLECC needs to know how far the generators are from the RTU at each site (for conduit and wiring). These items will be reviewed with TLECC on August 28 during the operations site visit.

9222 Teddy Lane · Lone Tree, Colorado 80124 · 303.792.0557 fax: 303.792.9489 · www.tstdenver.com

Pressure Issues at 30002 East 163rd Place

On August 20, John Wyckoff and I met at this address to review static and residual operating pressures. Based upon the data collected at the property, as well as data collected at other addresses in the area, it appears there is a restriction somewhere between the service connection at the main and the residence. On August 23, I accompanied SDMS's technician to the property in hopes of changing out the water meter and the owner-supplied PRV. The owner-supplied PRV would not fit without plumbing modifications, so the property owner disassembled and cleaned the existing PRV. The meter was changed out. The efforts did not resolve the residual pressure problem. I will discuss other ideas with the operations team after the August 28 operations site visit.