

PUBLIC SERVICE COMMISSION

AML Division

Memorandum

TO: Commissioners Fedorchak, Christmann and Kalk
Darrell Nitschke
Illona Jeffcoat-Sacco and Jack Schuh

From: Jim Deutsch

Date: September 14, 2016

Subject: Close out of Contract Numbers AM-757-16 and AM-758-16 for the 2016 Wilton Phase 2 AML Project, Case No. AM-16-25

On May 18, 2016, the Commission entered into Contract No. AM-757-16 with B & C Concrete Pumping, Inc. for drilling and grouting services and Contract No. AM-758-16 with GEOSERV, INC. for grout testing for the 2016 Wilton Phase 2 AML Project. This project involved rotary drilling to locate underground mine voids and the injection of pressurized grout into underground mine voids beneath public roads in northern Burleigh County, just southeast of Wilton.

The original contract with B & C Concrete Pumping was in the amount of \$1,238,475. The work estimates for this contract were 7,500 cubic yards of grout to fill mine voids at the former Washburn Number 2 mine along State Highway 36, 20,000 feet of rotary drilling with 3,500 feet of casing for drill holes that encountered mine voids, and 50 feet of coring following the injection of grout. The final totals were 8,494 cubic yards of grout, 26,272 feet of drilling, 6,641 feet of casing, and 4 feet of coring.

The total cost under the drilling and grouting contract was \$1,376,828, which is \$138,353 (11.2%) more than the original contract amount. Staff issued four change orders to increase the amounts of drilling, casing and grout at Wilton and for drilling and mobilization in the north ditch of Highway 200 east of Underwood, near the former Figenskau underground mine. Staff at the Falkirk Mine had reported finding a mine sinkhole just north of this highway right-of-way earlier in the summer. At a special meeting on July 27th, the Commission approved up to an additional \$198,600 for more grout and the drilling at Figenskau as well as an additional \$6,275 for material testing. The drilling and grouting work near Wilton began on June 6th and was completed in mid-August. Final clean-up was completed at the Figenskau site on August 22nd.

The original contract with GEOSERV, Inc. for related services was in the amount of \$43,985. The AML Division had estimated that an on-site material tester would be needed for 475 hours and that 150 series (3 samples per series) of grout samples

would need to be tested. The final totals were 415.25 hours for the material tester and 170 series of samples were tested. The final cost for the material testing services was \$44,119.38, or 100.31% of the original contact. One change order was written to increase the number of samples to be tested.

Joan Breiner supervised this project and the work of both contractors was completed to her satisfaction. Seasonal inspector Alan Erickson was also onsite for most of this project. Final invoices have been submitted and paid so the contracts can now be closed out.

Attached is a motion for the September 21, 2016 Commission meeting to close out the contracts with B & C Concrete Pumping, Inc. and GEOSERV, INC.

Minedata/AML/2016/Wilton/Closeout_memo_9-14-16