August 3, 2012



Mr. Berhan Keffelew Colorado Division of Reclamation Mining and Safety 1313 Sherman Street, Room 215 Denver, CO 80203

Re: Permit Number M-2004-031 – Hazeltine Mine, Revision No. TR-01

Dear Mr. Keffelew:

As requested during the Division's May 15, 2012 site visit at the Hazeltine Mine with regard to Aggregate Industries' technical revision request as referenced above, this letter and the enclosed documents are submitted to address verification of approvals and/or agreements with various entities with whom AI has been coordinating to implement the TR-01 project and any permitting requirements with other agencies.

I do not believe that AI received a report from the Division regarding the May 15 site visit, however in accordance with my notes you requested that the following items be addressed prior to Division approval of the technical revision and AI's construction of the system proposed to reduce surface water levels at the site to pre-mining conditions:

1. New discharge point to First Creek needs to be added to NPDES permit.

Enclosed is a copy of the permit modification request submitted to CDPHE Water Quality Control Division for moving a currently permitted discharge point to the First Creek discharge point. It is anticipated that approval of this modification will be received prior to completion of construction of the system and any discharge to First Creek.

2. Amendment to substitute water supply plan and/or well permit may be needed to address the pumping.

The system proposed by the technical revision is for drainage and control of surface water elevation to reduce surface water levels to pre-mining conditions. Surface drainage will be directed to a wetwell that does not have a connection

AGGREGATE INDUSTRIES WESTERN REGION

1707 Cole Blvd., Suite 100 Golden, CO 80401 Telephone (303) 985-1070 Facsimile (303) 716-5295 www.aggregate-us.com

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with groundwater prior to discharge and therefore an amendment to AI's substitute water supply plan and/or well permit is not necessary.

3. Verification of approvals and/or agreements with Denver Water, Fulton Ditch, Xcel and United Power.

Please see enclosed technical memorandum, dated August 3, 2012, from AI's engineers at Tetra Tech regarding the status of the various approvals and/or agreements. Copies of Tetra Tech e-mail communications with Xcel and Fulton Ditch are also enclosed, which verify their approvals.

The system plans, as submitted with the technical revision request, were developed in consultation with and approved by Denver Water, and upon their review of the legal description, Denver Water will provide a license agreement to AI for execution.

4. Operation/maintenance costs for running pump.

Included with enclosed Tetra Tech memorandum.

Please advise us if you have any questions or need additional information to facilitate Division approval of the technical revision. As I will be out of town commencing August 8, I would appreciate your copying any requests for additional information and/or Division approval to Mike Refer at Aggregate Industries, 1707 Cole Blvd., Suite 100, Golden, CO 80401 (email – <u>mike.refer@aggregate-us.com</u>) and Jeff Butson, TetraTech, 1900 S. Sunset St., Suite 1-F, Longmont, CO 80501 (email - <u>Jeff.butson@tetratech.com</u>).

Very truly yours,

Connie n. Aquis

Connie N. Davis Land Advisor

Enclosures

ec: Aggregate Industries – Mike Refer Tetra Tech – Juff Butson, Gary Linden

STATE OF COLORADO

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S. Denver, Colorado 80246-1530 Phone (303) 692-2000 Denver, Colorado 2020 TDD Line (303) 691-7700 Located in Glendale, Colorado

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Laboratory Services Division Denver, Colorado 80230-6928 (303) 692-3090

http://www.cdphe.state.co.us



DIVISION USE ONLY
WQCD Division Initiated
Modification
Requested by
Date requested
Date entered

MODIFICATION APPLICATION

Please print or type all information. All items must be filled out completely and correctly. If the form is not complete, it will be returned. All modification dates are established by the Division. This form is for modifying an established permit or certification. Terminations, Change of Contacts, Transfer of Permit, and Withdrawl of Permit Application and/or modification requests must be submitted on the appropriate form: MAIL ORIGINAL FORM WITH INK SIGNATURES TO THE FOLLOWING ADDRESS:

> **Colorado Dept of Public Health and Environment** Water Quality Control Division 4300 Cherry Creek Dr South WQCD-P-B2 Denver, CO 80246-1530

FAXED or EMAILED FORMS WILL NOT BE ACCEPTED.

- . PART A. IDENTIFICATION OF PERMIT Please write the permit number to be modified PERMIT NUMBER COG-500361
- PART B. PERMITEE INFORMATION (application must be signed by the legal contact listed here)

Company Name	Aggregate Industries WCR						
Mailing Address	1707 Cole Blvd Suite 100						
City	Golden	State	CO 80401				
Legal Contact Name	Wes Stearns	Phone Number	202 085 1070				
Title	Operations General Manager Email Doug.Hess@aggregate-us		Doug.Hess@aggregate-us.com				
PART C. FACILITY/PROJECT INFORMATION							
Facility/Project Name Cooley Reservior and Fulton Wildlife Area							
Location (address	9991 Old Brighton Road						
Cit	y Henderson	County	Adams				
Local Contact Nam	e Doug Hess	Phone Number	303-716-5225				
Titl	e Environmental Advisor	Email	Doug.Hess@aggregate-us.com				

form last revised December 2011

COLORADO WATER QUALITY CONTROL DIVISION MODIFICATION APPLICATION www.coloradowaterpermits.com

• PART D. DESCRIPTION OF MODIFICATION REQUESTED:

Discharge Point 006 is currently permitted in the southeast corner of the site and to discharge into the Bull Seep prior to the Platte River. Additionally it is permitted at an estimated flow rate of 0.3 MDG.

We need to move this point (006) to the northeast corner of the current mining pit (Hazeltine Pit) (see map) where it will discharge into First Creek prior to flowing into the Platte River. We also need to increase the flow rate to 1.8 MGD.

PART E. CERTIFICATION Required Signatures

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. "I understand that submittal of this application is for coverage under the State of Colorado Discharge Permit System until such time as the application is amended or the certification is transferred, inactivated, or expired."

Signature of Legally Responsible Party Wes Stearns Name (printed) July 26th 2012

Date Signed

Operations General Manager

Title

Page 2 of 2

form last revised December 2011

104th and old brighton road, henderson co - Google Maps

Page 2 of 3



http://maps.google.com/maps?hl=en&tab=wl

Hazeltine Reservoir Surface Water Dewatering Pump Station Adams County, Colorado

PREPARED FOR:	Mike Refer, Aggregate Industries Connie Davis, Aggregate Industries
PREPARED BY:	Jeffrey Butson, P.E., Tetra Tech
DATE:	August 3, 2012

Introduction

This memorandum outlines our status to date on the various requests required for the construction of the proposed Hazeltine surface dewatering pump station.

This is the status of our requests:

Denver Water – The license agreement request, including the required legal description, has been submitted for consideration by the property management department of Denver Water. Meetings conducted with the engineering department were positive and we do not expect significant delays for engineering questions. A copy of the legal description is attached.

Xcel Energy – Xcel has informed us that a license/encroachment agreement is needed to cross the high pressure gas lines. This agreement will be processed as quickly as possible. The engineering department indicated that there are some minor conditions they would like us to observe during construction, as shown in the attached e-mail.

Fulton Ditch Irrigation Company – Written approval of our plan was granted after a site meeting with the ditch company. This written approval is attached.

United Power – United Power has confirmed that they are responsible for the power to the handhole as indicated in the plans. United Power is currently verifying that the existing line has sufficient capacity to power the pump station.

Estimated Cost of Operations and Maintenance – The estimated costs of operating and maintaining the dewatering pump station is \$2,516 per year. The calculations are attached.

Attachements

P:\23514\133-23514-12003\Docs\Technical Memorandum - Coordination Status.docx

BULL SEEP DITCH FORCE MAIN EASEMENT LEGAL DESCRIPTION

A REVOKABLE 30 FOOT FORCE MAIN EASEMENT FOR THE BULL SEEP DITCH LOCATED IN THE NORTHEAST QUARTER OF SECTION 9, TOWNSHIP 2 SOUTH, RANGE 67 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF ADAMS, STATE OF COLORADO BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE EAST ONE-QUARTER CORNER OF SAID SECTION 9, WHENCE THE CENTER-EAST ONE-SIXTEENTH CORNER OF SAID SECTION 9 BEARS SOUTH 89°46'11" WEST, A DISTANCE OF 1324.67 FEET, SAID LINE FORMING THE BASIS OF BEARING FOR THIS DESCRIPTION; BEING MONUMENTED ON THE EAST END BY A 3 ¼ INCH ALUMINIUM CAP MARKED PLS 16398 PER THE MONUMENT RECORD, AND ON THE WEST END BY A 3 ¼ INCH ALUMINIUM CAP MARKED PLS 7361 PER THE MONUMENT RECORD; THENCE ALONG THE SOUTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 9 SOUTH 89°46'11" WEST 1054.88 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUING ALONG SAID SOUTH LINE OF THE NORTHEAST QUARTER OF SECTION 9 SOUTH 89°46'11" WEST 47.51 FEET; THENCE LEAVING SAID SOUTH LINE OF THE NORTHEAST QUARTER OF SECTION 9, NORTH 50°36'35" EAST, A DISTANCE OF 76.00 FEET; THENCE NORTH 22°46'15" EAST, A DISTANCE OF 347.75 FEET; THENCE NORTH 40°03'45" EAST, A DISTANCE OF 205.94 FEET; THENCE SOUTH 49°56'15" EAST, A DISTANCE OF 30.00 FEET; THENCE SOUTH 49°56'15" WEST, A DISTANCE OF 201.38 FEET; THENCE SOUTH 40°03'45" WEST, A DISTANCE OF 350.62 FEET; THENCE SOUTH 22°46'15" WEST, A DISTANCE OF 46.60 FEET; THENCE SOUTH 50°36'35" WEST, A DISTANCE OF 46.60 FEET; THENCE SOUTH 50°36'35" WEST, A DISTANCE OF 46.60 FEET;

SAID EASEMENT CONTAINS 18,425 SQUARE FEET OR 0.423 ACRES, MORE OR LESS.

SURVEYOR'S CERTIFICATE

I, Karl Philip Thullen, a duly registered Professional Land Surveyor in the State of Colorado do hereby certify that the above easement description was prepared by me or under my direct supervision and is in accordance with the approximation of practice and is accurate based upon my knowledge, information and belief

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Karl Philip Thullen	Decolorado P.L.S. 55/38006	
Dated this3	day of the set	, 201 <u></u> .

NOTE: The word "certify or "certify or "certify or "as used herein is understood to be an expression of professional opinion by the surveyor, based upon his best knowledge, information, and belief. As such, it does not constitute a guarantee, nor a warranty, expressed or implied.

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten

years from the date of certification shown hereon.



Butson, Jeff

From:Griego, Matthew S < Matthew.S.Griego@xcelenergy.com>Sent:Thursday, August 02, 2012 12:14 PMTo:Butson, JeffSubject:Howe Reservoir

Jeff,

Sorry it took me a while to get back to you.

A crossing of our 10 and 16 inch transmission lines would be acceptable per the previously discussed conditions:

- The crossing be a close to perpendicular as possible and go under the gas pipelines
- It maintains 4 feet of clearance vertical and horizontal from both lines
- Locates are called in so a monitor can be on site during excavation near the line

You will still need to get a license/encroachment agreement from our ROW department which may have further conditions but these are the big ones. Let me know if you have any questions.

Matthew S. Griego

Xcel Energy | Responsible By Nature

Project Planner, Gas Transmission Engineering

1123 W. 3rd Ave, 2nd Floor Denver, CO 80223

P: 303-571-3220 F: 303-571-3166

E: Matthew.S.Griego@xcelenergy.com

XCELENERGY.COM

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Butson, Jeff

From:	Brice Steele <brice@steelepc.com></brice@steelepc.com>
Sent:	Thursday, August 02, 2012 2:49 PM
То:	Butson, Jeff
Cc:	jody@steelepc.com
Subject:	RE: Bull Seep Dewatering Pump Station

Jeff,

Fulton appreciates Al's willingness to meet on site to explain the dewatering project in more detail. Under the circumstances Fulton does not have any objection to the installation of the well point as planned. If the plans change substantially from those previously presented to Deer and Ault for review please let me know.

If you're going to be working on the ditch road for any reason I ask that your contact Mr. McDonald in advance of any operations.

Let me know if you need anything else.

Brice

From: Butson, Jeff [mailto:Jeff.Butson@tetratech.com]
Sent: Monday, July 30, 2012 10:34 AM
To: Brice Steele (brice@steelepc.com)
Subject: Bull Seep Dewatering Pump Station

Brice,

I'm just following up on the meeting that was conducted this past month. It sounds like we are squared away with the Fulton Ditch Company. Do we need to obtain any written permission from you or the ditch company to make it official?

Thanks,

Jeffrey A. Butson, P.E., CFM | Project Engineer Main: 303.772.5282 | FAX: 303.772.7039 Jeff.butson@tetratech.com

Tetra Tech | Engineering & Architecture Services 1900 South Sunset Street, Suite 1-F | Longmont, CO 80501 | www.tetratech.com

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TETRA TECH

Professional Engineers

Client: Aggrigate Industries _____ Job No.:__ Sheet of 3 Description: Culculated annex Designed By: FautKnor Date: 8/3/20/2 Date: 8-3-17 operation & maintenance cost for Checked By: GL Annual pump operating dost estimate; Assumption; Rump comes on every & minutes and runs for a-minutes continuously, determine annual pump operation Last at \$0.0636 / No. hr - Rump is located in Colorado (5,000 H) - Assume whp per manufacturers cure is Tishp. · Deformine brake horse power when officiency is 83.5% bhp= 7.5hp = 8.9 hp · Determine minimum motor persepower using a Service Fuctor of 1.15 Mbp= 8.9 hpx1.15= 10.3 hp Attitude adjustment factor: 1% (5000 Fe - 3300 Rt) = 5, 15% mhp = 10, 3hp x 1.0515 = 10, 8hp · Assume 180 Cycles por day for pump : Calculate number of cycles annully : Cycles = 180 Cycles (365 days) = 65,700 Cycles/yr Calcalate number of minutes per yr when pump rens For 2-minutes continuous ly. Kol minutes = 65, 700 cycles x 2min = 131, 400 min yr In hr/yr = 131,400 min (hr) = 2,190 hr/yr

TETRA TECH

Professional Engineers

Client: Aggreget Industries _____ Job No.:___ _____ Sheet 2___ of 3 Description: Calculated annual efferation Designed By: Fauren Date: 8/3/2012 traintenance cost for pimp Checked By: CL Date: 8-3-11 · Calculate Rus for a 10, 3 hp motor! kus: 10. 8 hpx (kw) = 14. 47 kw (Power + pump) · Calculate Rusihr 2190 hrsx 14,47 kw = 31705 kws.hr yr · IF Cost is \$0.0636 / kuo.hr, Coladate annuel cost: Annual Cost= 31705 bio hr x \$0,0636= \$2,016/yr. · Maintenance cost per yr per Jeff Butson = \$ 500/yr · Total ostimuted operation & maintenance cost por you C= # 2,016 + \$ 500 = #2516/gr



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