



OGMCOAL DNR <ogmcoal@utah.gov>

RE: Winter Quarter- Mine Q Follow up

Gregg Galecki <ggalecki@wolverinefuels.com>

Mon, May 4, 2020 at 2:12 PM

To: Steve Christensen <stevechristensen@utah.gov>

Cc: Taylon Earl <TEarl@wolverinefuels.com>, Chris Hansen <chansen@wolverinefuels.com>, Dana Dean <danadean@utah.gov>, Amanda Daniels <amandajdaniels@utah.gov>, Kendra Hinton <khinton@utah.gov>, Justin Eatchel <jeatchel@utah.gov>, Todd Miller <toddmiller@utah.gov>, Steve Demczak <stevedemczak@utah.gov>, Priscilla Burton <priscillaburton@utah.gov>, OGMCOAL DNR <ogmcoal@utah.gov>

Steve,

Per numerous conversations and the consensus of group meeting conducted on 4/30/20, the following is an update on the status of Outfall UPDES-004 at Winter Quarters. Following the meeting, Skyline installed a temporary six-inch HDPE pipeline from the Winter Quarters pad to the sedimentation pond began discharging mine-water through the decant. The need for discharging mine-water is due to unanticipated conditions within the mine where seals are being impounded with water, which is a safety issue.

UPDES-004 is permitted through the Utah Division of Water Quality to discharge both stormwater and mine-water. The Daily Water Quality limits are 1,200 mg/l Total Dissolved Solids (TDS), 1 mg/l Total Iron (T-Fe) , 70 mg/l Total Suspended Solids (TSS) and 10 mg/L Oil & Grease. No flow limit exists with the UPDES permit, however the riprap of the Outfall is designed to accommodate a discharge of 1.09 cubic-feet/second for the discharge to remain below the non-erosive velocity of 5-feet/second. Skyline is currently discharging mine-water at 1.06 cubic-feet/second and within the water quality parameters listed. The capacity for containing stormwater runoff has not been affected.

Skyline is actively working to submit a permit application to UDOGM to increase the size of the outfall structure to accommodate a needed higher quantity mine-water outfall. This will include increasing the size of the riprap apron at the outfall to insure non-erosive velocities. Emergency Authorization from the State Engineer for a Stream Alteration permit has already been granted. No work will be conducted within the 'bank-full' region of the stream. Due to the proximity of the structure to the stream, a Stream Alteration permit was acquired. Skyline needs to increase the mine-water discharge to approximately 1,000 gpm, but has over-engineered a discharge structure to accommodate a total of 4,000 gpm.

Skyline personnel appreciates the UDOGM's staff willingness to expedite the permit approval process to construct the larger structure as soon as possible.

Gregg A. Galecki

Sr. Environmental Engineer

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From: Steve Christensen <stevechristensen@utah.gov>**Sent:** Thursday, April 30, 2020 3:36 PM**To:** Gregg Galecki <ggalecki@wolverinefuels.com>**Cc:** Taylon Earl <TEarl@wolverinefuels.com>; Chris Hansen <chansen@wolverinefuels.com>; Dana Dean <danadean@utah.gov>; Amanda Daniels <amandajdaniels@utah.gov>; Kendra Hinton <khinton@utah.gov>; Justin Eatchel <jeatchel@utah.gov>; Todd Miller <toddmiller@utah.gov>; Steve Demczak <stevedemczak@utah.gov>; Priscilla Burton <priscillaburton@utah.gov>; OGMCOAL DNR <ogmcoal@utah.gov>**Subject:** Winter Quarter- Mine Q Follow up**** STOP. THINK EXTERNAL EMAIL ****

Good afternoon,

Priscilla was nice enough to write up meeting notes from today's phone call (see attached). I want to thank everyone for taking the time and participating on the call.

Per the action items discussed this morning, Priscilla got in touch with Daren Rasmussen at the Division of Water Rights. I've attached the email thread. Per Mr. Rasmussen's assessment, it appears that a State stream alteration permit is necessary for the project.

Regards,

Steve

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