



## **Table of Contents**

### **Notice of Intent to Conduct Small Hard Rock Exploration**

#### **Type and Size of Equipment to Be Used**

#### **Description of Work to Be Conducted and Final Reclamation Procedures**

**Phase 1 Safely Re-Opening Portal #1 & #2**

**Phase 2 Re-Stabilization of Portal #1 & #2**

**Phase 3 Sub-Surface Exploration**

**Phase 4 Exploration**

**Phase 5 Closing Exploration & Final Reclamation Procedures**

#### **Type & Size of Equipment to Be Used**

**Equipment**

#### **Exploration Site Access**

#### **Time Onsite**

#### **Employees Onsite**

#### **Exploration Fact Clarification**

#### **Quantity of Material Moved**

**Surface**

**Sub-Surface**

#### **Exploration Map**

#### **Contact Info**

**Phone Number**

**Emails**

**Mailing Address**

**Office Address**

## **Description of work to be conducted and Final Reclamation Procedures:**

Sweetwater Mining Corporation plans to re-open re-stabilize and conduct sub-surface exploration of the existing Adobe Longhorn mine before moving to a plan of operations level disturbance. The NOI exploration consists of five phases.

### **Phase One: Safely Re-Opening Portal #1 & #2**

After conducting an onsite reconnaissance of the portal locations on the Adobe Longhorn #1 claim we found that using hand tools to re-open the portals would put myself and my employee at risk of falling/sliding scree rock that surrounds the two portals. Our solution is to temporarily use a bobcat E32 compact excavator with rubber tracks to scrap down the loose rock surrounding the portal that has fallen into the two-portal locations over the past 100 years. The compact excavator would be onsite for a maximum of 14 days and then removed from the site for the rest of the exploration process.

### **Phase Two: Re-Stabilization of Portal #1 & #2**

The stabilization process of both portals includes installing a wooden framed portal to protect and stabilize the opening and access point to the sub-surface workings. This will be completed by using 8" X 8" Douglas fir timbers and cut with battery operated circular saws and hand saws. The timbers will then be placed in location and secured using both nails and a framing hammer, lag bolts and a portable battery powered hand drill/driver. A locked metal gate will also be placed in the timbered entrance to prevent animals & humans from entering the interior of the mine.

### **Phase Three: Sub-Surface Stabilization**

After completion of the surface stabilization of portal #1 & #2, Sweetwater prospectors will begin by re-stabilizing the interior of the mine using the same timbering method and tools as outlined the Phase two, only for the sub-surface workings. In addition to timbering, split set roof bolts and resin roof bolts will be used if/when necessary. Both types of roof bolts will be driven using an air powered mining drill/driver. Are ultimate goal with exploring this mine is to use basic tools that are either battery powered, hand powered, or air powered to minimize the use of internal combustion tools and eliminate the use of internal combustion equipment wherever possible to reduce our overall noise, fuel, and engine footprint on location.

### **Phase Four: Exploration**

Sub-surface exploration methods include using hand tools, rock hammers, rock chisels, and pick axes to chip interior vein samples for offsite lab analysis. Each sample will be bagged in waterproof sealed bags in the interior of the mine and then placed directly into a hand pushed mine cart to the entrance of the portal. The mine cart will be unloaded directly into the back of a pickup truck and hauled offsite. No interior ore samples will touch the ground on the surface or be exposed the air and rain so there is no opportunity to degrade or contaminant the surface environment. Traditional mine rail will be laid only in the subsurface workings to facilitate the movement of the hand powered ore cart. All rail will already be pre-cut before arriving; completely eliminating the need for a portable demo saw onsite.

## **Phase Five: Closing Exploration & Final Reclamation Procedures**

Phase five consists of removing all tools off of location, closing the metal grated doors and locking the doors with a padlock. Since there will be no interior ore on the surface throughout the exploration process, there will be no tailings piles on the surface. No further work will be

done onsite until a mining Plan of Operations is executed to begin the next phase of small scale mine development.

### **Type and Size of Equipment to be Used:**

#### **Equipment:**

**Bobcat E32 Compact Rubber Tracked Excavator** – Tier 4 Compliant

**Air Compressor** Tier 4 Compliant with additional muffler silencer – Powering a mine air drill/driver & a pneumatic ventilation fan.

**Pneumatic Ventilation Fan** – 24” diameter with intake screen – powered off of air compressor

**Dewalt Battery Powered Skill Saw**

**Water Pump**

**Dewalt Battery Powered Drill/Driver**

**Metal Ore Cart** – To transport bagged samples from the sub-surface working to the surface.

**GMC 1500 pickup truck** – Materials and sample transport

**Toyota Tacoma** – Crew Transport

**Gardner Denver Pneumatic Mine Drill/Driver** – Sub surface use only

**Hand Crosscut Saws**

**Framing Hammers**

**Rock Hammers** – Sub surface use only

**Rock Chisels** – Sub surface use only

**Scaling Bars**

**Sample Bags**

**500 Gallon Portable Water Storage Container** – Sub surface use only

**No Spill Fuel Containers**

**Spill ground protection**

**Mine Air Hose**

**Porta John**

**Fire Extinguishers**

**First Aid Kit**

**Ventilation Extensions**

#### **Exploration Site Access:**

Site access from the town of Tincup Colorado will use Forest Service road 765 connecting to Forest Service road 765k and a small unmarked spur road that was left from previous miners to access both portals. The spur road is in good condition and would require no modifications.

#### **Time Onsite:**

Adobe Longhorn Mine Exploration Project Timeline: (Tentatively July 1<sup>st</sup>- August 31<sup>st</sup>)

## **Employees Onsite:**

Two Full Time Sweetwater Mining Employees – Both hold current MSHA Part 48 5000-23 Miner Certifications

One Part Time Sweetwater Executive – Less than 5 hours per week onsite

One Part Time Mine Consultant/Geologist – Less than 5 hours per week onsite

## **Exploration Fact Clarification:**

**#1** No employees will be staying overnight, only onsite during working hours

**#2** Mine Portals will be locked during non-working hours

**#3** Porta John will be used for human waste

**#4** Maximum of 500-gallon water draw every 24 hours

**#5** Disturbance footprint will be kept within the mining area and access road as shown on Adobe Longhorn Exploration Map (Attached)

**#6** No pickup trucks will be fueled onsite

**#7** Sub Surface Mine Exploration is conducted to MSHA standards

**#8** Mine is currently dry and not leaking any waste water

**#9** Spill kits and first aid kits will be onsite during working hours

**#10** One air compressor will be used to power a mine drill/driver and also a pneumatic ventilation fan; which eliminates the need for a separate power generator onsite further reducing our overall impact and footprint.

**#11** Portable sign will be placed on the access spur road informing recreational land users of a mine exploration project. Sign will state mine name, mine operator, MSHA mine number, office phone number, permit numbers, and safety standards. (See attached Map)

**#12** Mine documentation, permits, and work logs will be placed on another portable sign next to the mine landing for MSHA compliance. (See Attached Map)

**#13** Fueling of the air compressor will be completed on the mine landings using no spill containers, and a waterproof spill pad underneath the fueling area to catch any spillage. In addition, a spill kit will be onsite.

**#14** After the initial 14-day use of the excavator, the excavator will be removed off site.

**#15** The only internal combustion engine onsite after the initial 14-days will a diesel-powered air compressor that is tier four compliant with additional sound suppressor. In addition to two pickup trucks for transportation of two men and materials to and from the site each day.

### **Quantity of Material Moved:**

**Surface:** The quantity of material that needs moved aside from the portal #1 and portal #2 is approximately 3 tons per portal. This material is the scree/slide rock that has stacked up in and around the portal. The Scree rock will be placed adjacent to both portal openings.

**Sub Surface:** The quantity of material moved will be approximately 200 pounds per day. This material is bagged sub surface, transported to the surface on a mine cart and then placed directly in the back of the pickup truck. Roughly 1,400 pounds per week will be transported for laboratory analysis. The total sub surface material transported throughout the exploration project will be approximately 8,400 pounds maximum.

### **Exploration Map:**



**Contact Information:**

**Phone Number:** 970-901-9043

**Email:** [tyler@sweetwatermining.com](mailto:tyler@sweetwatermining.com) [jeff@sweetwatermining.com](mailto:jeff@sweetwatermining.com)  
[delaney@sweetwatermining.com](mailto:delaney@sweetwatermining.com)

**Mailing Address:**

Tyligent Industries Inc.  
PO Box 943  
Gunnison, Colorado 81230

**Office Address:**

Sweetwater Mining Corporation  
513 South Main Street Suite B  
Gunnison, Colorado 81230