MVBs are operated by connecting a mobile, methane-fueled exhauster to the wellhead. Starting in 2020, mobile flaring units will be connected to the mobile exhausters to flare MVB emissions from active and/or sealed longwall panels. These units are typically moved with heavy-duty pickup trucks.

Some methane gas from the sealed mine sections is used to heat mine ventilation air at the Ventilation Shafts No. 1 & 2, in a system completed in 2003 and amended a few years later. A 10" diameter methane supply hole was drilled to the B seam to the south of Shaft 3. About 100' of buried 12" HDPE pipeline ties the borehole into the existing mine air heater line.

Fire Breaks

Fire Breaks are constructed West the Main Mine Site. The neighboring mine, Bear Mine, has historically had issues with underground fire that, more recently, has spread to surface fire. In order to protect the Main Mine Site location and land from fire danger MCC installed a fire break that consists of approximately 1.8 miles of road that is roughly 20-30 feet wide. The land disturbance for the Fire Breaks is not a mine facility and will not be used in the future for any activity associated with mining or reclamation. See Exhibit 83 for Fire Break location. Additionally, MCC will coordinate with adjacent landowner, Lazy H Ranch, to strategically remove oak brush from 132.6 acres that will provide fire protection to both properties as well as create desired habitat for wildlife.

Figure 17: Fire Breaks- located in Exhibit 83

Access Road to Bear Mine Site

An access road to the inactive Bear Mine site is located East of MB-5E ponds and extends to the vent holes that have created a fire hazard to the immediate and surrounding areas. MCC is not liable to reclaim this road and the disturbance is not a mine facility and will not be used for any mining activity. See Exhibit 83 for construction, location and use details.

Figure 17a: Bear Mine Access Road- located in Exhibit 83

Deer Creek Shaft Facilities

In 2009 MCC constructed Deer Creek shaft. Location and layout design of the Deer Creek Shaft can be found on Map 53D. The shaft is used as a secondary escapeway from the mine as well as assisting in mine ventilation. See Exhibit 77 for further details.

Monument Dam Survey Station

The Monument Dam Survey Station is located on the hillside Northwest of the Dam on property owned by MCC. The station houses continuous survey equipment. The equipment is owned and operated by MCC. A 9-ft security fence surrounds the pad where the station is located.

Box Canyon Water Storage Pumphouse, Waterline and Booster Pumphouse.

A pad, pump and pump house are located just North of subsoil pile #1 access road. The subsoil pile is located at the base of Sylvester Gulch Road and the main mine access road. The housing for the pump will consist of a metal frame and tin walls. The housing will be divided into two sections, one being completely sealed form

the other due to the drill hole accessing the gob. The building will be approximately 20’ x 30’. This facility retrieves the stored water in the Box Canyon North water storage area via a drill hole. This water will be recycled to the million-gallon mine water tank located above the main mine site. The drill hole will be approximately 365 feet deep. From the surface to 40 feet deep the hole will be 24 inches in diameter with 20-inch casing, from 40’ to 320’ in depth the hole will be 18 inches in diameter with 14-inch casing, from 320’ to 365’ in depth the hole will be 12.25 inches in diameter with no casing. The pump house will also house a monitoring hole that will be located approximately 10 feet south of the drill hole. It will be approximately 330 feet deep and 6.25 inches in diameter. This hole will be concrete cased and will be used to monitor the water level in the sump.

To connect the Box Canyon Water Storage Pumphouse to the Million-gallon mine water tank approximately 850 feet of 8” HDPE pipe will be placed north from the pumphouse to tie into an existing 8” HDPE line. The pipe will be placed at a depth of 5’ and will be buried together with power and fiber. In addition, a 20’ x 30’ building and concrete pad will be placed to house the booster pump.