Mine Information
New Iberia, LA
May 2-5, 2016

General

The Froggy Bottom Mine is a multi-level salt mine owned and operated by American De-icing Mining Company. Raymond Redrock is VP of Operations and Willy Braden is currently the mine manager. The Froggy Bottom Mine is located in Southern Louisiana Just off the Gulf coast in a small Parish. The mine is active and operating at full capacity. The mine currently works three rotation shifts 7 days per week, a day shift 7 am to 3 pm, swing shift 3 pm to 11 pm and graveyard shift from 11 pm to 7 am. All production is on the 1300' level, which is the lowest level of the mine.

Mine Access

Mine access is provided by two 14 foot diameter concrete-lined shafts and the mine recently developed two 6 foot diameter steel lined auxiliary ventilation shafts. The two 14 foot shafts are known as the #1 Intake shaft and the #2 Exhaust shaft. The new steel lined shafts are only known as north auxiliary and west auxiliary shafts at this time. The working areas of the mine are 7' to 10' high and pillar sizes range from 16' x 16' to 20'x 20'.

Explosives

All explosives are stored on the 1300' level in an approved storage facility.

Electricity

Electrical service to the mine is provided by a local electric company. The main disconnect for all power to the underground is located on the surface. All face equipment in the mine is permissible. The controls for the mine fan are located at the fan on surface.

Gas

At this time the mine is a gas category II-A mine (meaning that the existence of methane has been established). The mine generally experiences some nitrogen dioxide and carbon monoxide resulting from blasting and the operation of diesel equipment. Other mines in the area have been known to produce similar gas in addition to methane and hydrogen sulfide.

Phone

There are pager phones at all mine levels at each shaft.

Geology and Ground Control

The Mine is located approximately ½ a mile from the Gulf of Mexico. Ground control is maintained with Roof Jacks and 8-foot mechanical bolts. Pumps are used to control the water level in the mine as it accumulates. The mine produces approximately 1,000 gallons of brine water per week that collects at the exhaust shaft sump and is easily controlled by the air operated sump pump.

Materials
All materials to work the problem are located underground or on the surface.

Mining Methods
Mining methods are currently conventional. The material is hoisted to surface, screened and loaded into barges to be shipped to the North East part of the country.

Mine Maps
The mine maps were last updated on April 2, 2016.

Mine Equipment
The mine currently utilizes 4 under-cutters, 2 jumbo drills, 2 Smag vertical drill, 4 diesel haul trucks, 4 loaders, 1 Fletcher Bolter and other smaller transportation equipment.

Ventilation
The mine is ventilated by a non-reversible 100,000 cfm fan that is located on surface. The mine utilizes a blowing system, ventilation enters the mine via the #1 shaft and exits the mine via the #2. The 2 auxiliary shafts are currently capped and guarded and can be opened. They were developed to aid ventilation in the mine.

Water
Water flows into the mine constantly via seepage in the salt on the west side of the 1300' level and accumulates primarily in the north side of the mine.

Notification
All federal, state and local officials have been notified.

Backup Teams
Two other trained and fully equipped mine rescue teams are on site.