

Explosives are Always Dangerous

Adapted from information by the Mine Safety and Health Administration

Explosives are dangerous even when they are not being used. Strict transportation and storage regulations are intended to protect workers and the public from the dangers explosives present.



Luckily, this truck was the only casualty in this unexpected explosives fire.

A good example of just how dangerous explosives can be, occurred last year during a noninjury accident at a surface mine. An explosives fire occurred on-board a bulk explosives transport truck. The fire ignited inside an open day box (temporary storage unit) used for transporting 35 cast boosters. It was later determined the fire was ignited as a result of fly ash and/or embers from an adjacent work area where trees and underbrush were being burned.

The fire at the adjacent work area was 294 feet* down slope from the truck. However, the area had experienced moderate winds and, prior to the truck catch-

ing fire, smoke drift from the fire had been observed near the truck.

Fortunately, all miners were safely evacuated from the area and there were no injuries from this accident.

This is a good time to remind employees of the following best practices:

- **EVACUATE IMMEDIATELY; NEVER FIGHT EXPLOSIVES FIRES!**
- MSDS (Material Safety Data Sheet) and manufacture information on handling and storage of all blast components must be followed and made a part of training. Personnel must ensure explosives remain properly stored and remain in a closed-door day box until immediately before being used.
- Ensure explosives and blasting areas remain a safe distance from open flames. Be sure to consider weather conditions such as wind when making these determinations.
- Designate an evacuation location to be used in the event of an explosives fire.

Most importantly, discuss emergency situations and procedures during safety meetings on a regular basis.

*(1 foot ≈ .304 meters)

Geophysical Exploration Completed on Lithium Brine Projects

Adapted from a press release at AmeriLithium Corp.



Many of these products are lithium-based. Do you know how much lithium is used in your daily life?

AmeriLithium Corporation, a mining company dedicated to the global lithium industry, has completed geophysical exploration on all four of its lithium brine properties (Clayton Deep, Full Monty, Jackson Wash, and Paymaster) in Nevada. Gravity surveys along with controlled-source audio frequency magnetotelluric (CSAMT) surveys were taken on the properties to help the company determine each property's geology and lithium brine potential. Results showed all four properties had good potential for lithium resources.

The next step of the exploration process for AmeriLithium is to identify potential drilling targets on the properties. Currently, the company has an eight-hole drilling program in progress on their Paymaster property whose initial three drilled holes produced promising results. New test holes will be drilled on each of the properties to test and sample groundwater to help determine the nature and amount of lithium-bearing brines underground.

"The exploration program to date has been a great success in my opinion... The drilling in Paymaster Canyon yielded considerable useful data and provided valuable information on that property, as well as drilling conditions and challenges in Clayton Valley," commented the company's Chief Geologist Robert Allender.

Lithium is a lightweight metal used in many products worldwide including medicine, glass, aviation equipment, and much more. Lithium batteries have also become a popular product in recent years being used in portable electronics, as well as in hybrid and electrical vehicles for environmentally-friendly fuel alternatives.



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