

LEONARDITE PRODUCTS-LLC

Source X , Source 11 and Source Coarse are processed from a mined compound, known as leonardite. Stony Creek Mine, operated by Leonardite Products, is northeast of Williston, North Dakota is the source of this leonardite.

Leonardite is surface mined in two-acre sections to the total depth of twenty feet. The leonardite is found in three layers between two layers of clay; the clay separates the leonardite from other materials getting into the leonardite.

Professional excavators remove the topsoil, subsoil and overburden for each pit. Employees of Leonardite Products use a front-end loader to remove the clay stringers and mine the leonardite. The leonardite is carried by dump truck to the processing plant approximately three miles from the mine where it is stockpiled prior to processing.

Leonardite is 40 to 50 percent moisture in the ground. It will sun dry in the stockpile yet is dried as described below to remove moisture (water), making it easier to package and handle.

Source X is dried and sized in a processing plant using a natural gas air heater regulated to a maximum temperature of 145° Fahrenheit (62.7° Celsius). Sizing is accomplished with a Williams hammer mill and spinner separator. The material is packaged directly from this system.

Source 11 and Source Coarse are dried through a drum dryer using natural gas regulated to a maximum of 160° Fahrenheit (71° Celsius). Sizing Source 11 and Source Coarse is accomplished with three decks of vibrating stainless-steel screens.

No other materials enter or are processed on this equipment. No processing aids or additives, including but not limited to grinding aids or dust suppressants, are ever used when mining, processing or packaging.

The Stony Creek Mine, operated by Leonardite Products, is in Williams County, North Dakota.

The legal description of our mine location is:

T. 154 N., R. 100 W., 5th P.M. North Dakota

Sec. 8: NE1/4, S 1/2NW1/4, N1/2 SW 1/4

This is a Federal Mine #26-1460596

The Federal Lease is NDM 065329

The BLM division based out of Billings, MT inspects our mine quarterly.

The MSHA Mine ID # is 32-00652.

The MSHA name for the mine is Leonardite Products Mine and Mill. MSHA inspects our operation twice per year.

The ND Mine Permit, issued by the North Dakota Public Service Commission (PSC), is GRGR-0501. The PSC inspects our mine monthly and our records quarterly.

Cherie Harms
President/CEO