

STATE OF NEVADA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR POLLUTION CONTROL

**Director's Review and Preliminary Determination of Permit Issuance
for
Air Liquide America L.P. Title V Operating Permit - Renewal
September 29, 2009**

Air Liquide America L.P. (Air Liquide) has submitted an application for renewal of their Class 1 (Title V) Air Quality Operating Permit to the Nevada Division of Environmental Protection - Bureau of Air Pollution Control (NDEP-BAPC). The application was submitted on March 2, 2009 and deemed complete on May 1, 2009. The facility is located at the Barrick Goldstrike facility (Barrick) located in Elko County, Nevada approximately 27 miles north of Carlin, Nevada, adjacent to State Route 766. Legal location of the facility is Section 29, Township 36 North, Range 50 East, (UTM coordinates – North 4,536.0 km, East 554.6 km).

The NDEP-BAPC has reviewed the application and has made a preliminary determination to issue the renewal of the Class I Air Quality Operating Permit.

Air Liquide produces high purity oxygen to the Barrick autoclave and roaster operations. The purposes of these operations is to oxidize sulfide and carbonaceous ores in an effort to make the ores more amiable to leaching with a sodium cyanide (NaCN) solution. The Air Liquide oxygen plant consists of a reactivation heater and a liquid oxygen vaporizer. Both of the combustion units combust propane as the primary fuel with the alternative to combust pipeline quality natural gas as a backup fuel.

Air Liquide is a support facility for Barrick, which is a major stationary source. The BAPC has determined that separate Title V operating permits be issued for both facilities.

<i>Facility-Wide Potential to Emit</i>		
Pollutant		TPY
PM	(Particulate Matter)	1.72
PM₁₀	(Particulate matter <10 microns in diameter)	0.87
NO_x	(Oxides of Nitrogen)	15.38
CO	(Carbon monoxide)	6.24
VOC	(Volatile Organic Compounds)	0.46
SO₂	(Sulfur Dioxide)	0.04

The Air Liquide facility is located in basin HA 61, an air management area designated as attainment for particulate matter and unclassified for all other criteria pollutants. Barrick has submitted an ambient air impact analysis, which also included Air Liquide's emissions, in Barrick's Title V Renewal Application (submitted to the BAPC in December, 2008) to demonstrate compliance with the National Ambient Air Quality Standards (NAAQS).

The air quality analyses demonstrated that the emissions from both the Barrick facility as well as the Air Liquide facility, in conjunction, will not cause or contribute to a violation of any applicable federal or state ambient air quality standard and therefore will not have an adverse affect on air quality.

After review of the application and subsequent air quality analysis, the BAPC has determined that the proposed renewal of Air Liquide's Title V Operating Permit may be operated without an adverse impact on air quality.

The Air Liquide source must comply with all State and Federal air quality requirements and all conditions established within the proposed renewed Operating Permit.