

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**

**Nevada Mercury Control Program
Mercury Operating Permit to Construct**

March 31, 2025

Nevada Gold Mines, LLC – Goldstrike Mine has submitted applications for revision to Mercury Operating Permit to Construct (MOPTC) AP1041-2221 pursuant to NAC 445B.3663.1 to the Nevada Division of Environmental Protection-Bureau of Air Pollution Control (BAPC) for System 18 (TU4.003 and TU4.004), System 19 (TU4.005 and TU4.006) and System 66C (TU4.016 through TU4.018).

The applicable facility, located in hydrographic area #61U, in Eureka County is:

*Goldstrike Mine
27 Miles North of Carlin, Nevada, off State Route 766*

The BAPC has reviewed the applications and has made a preliminary determination to issue the MOPTC. The draft MOPTC is for three revised systems (System 18 - Roaster #1 and Roaster #2, System 19 - Roaster #1 Quench Tank and Roaster #2 Quench Tank, and System 66C – Autoclave #4, Autoclave #5, and Autoclave #6) , with an emission performance standard and control technologies determined to be NvMACT pursuant to NAC 445B.3677.3.

The draft MOPTC includes requirements for monitoring, recordkeeping, annual stack testing for mercury emissions, annual emissions reporting, annual mercury co-product reporting, limits of operation, and work practice standards which minimize emissions of mercury to the atmosphere. The permit also includes a mercury emission limit for each system.

Nevada Gold Mines, LLC has submitted an application to revise their Mercury Operating Permit to Construct (MOPTC) Permit No. 1041-2221 for the Goldstrike Mine. The application includes the following proposed changes: changes to System 18 to add air pollution control carbon (APC carbon) as a throughput material to the roasters (Roaster #1 designated as TU4.003 and Roaster #2 designated as TU4.004); changes to System 19 to add venturi scrubbers as controls to each of the roaster quench tanks (Roaster #1 Quench Tank designated as TU4.005 and Roaster #2 Quench Tank designated as TU4.006) and to add a final NvMACT emission limit and additional work practice standards for System 19; and changes to System 66C to increase the hourly throughput limit for the autoclaves (Autoclave #4 designated as TU4.016, Autoclave #5 designated as TU4.017, and Autoclave #6 designated as TU4.018) from 200.0 tons of ore per hour to 250.0 tons of ore per hour.

The proposed project will not cause or contribute to a violation of any applicable Federal or State air quality standard. After review of the application and independent BAPC analyses, the Agency has determined that the Nevada Gold Mines, LLC – Goldstrike MOPTC may be issued and operated. The proposed sources must comply with all State and Federal air quality requirements and all conditions established within the draft MOPTC.