



# STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

*Jim Gibbons, Governor*

*Leo M. Drozdoff, P.E., Acting Director*

*Colleen Cripps, Acting Administrator*

## NOTICE OF PROPOSED ACTION

June 18, 2010

Web posting 6/16/10

Pursuant to Nevada Revised Statutes Chapter 486A and the Nevada Administrative Code (NAC) 486A.140, Advanced Refining Concepts, LLC has made application to the Nevada Division of Environmental Protection (NDEP) for designation of GDiesel<sup>TM</sup> as an alternative, cleaner burning fuel. NDEP is hereby announcing its intent to designate GDiesel<sup>TM</sup> as an alternative fuel, based on NDEP's review of the application, as submitted.

GDiesel<sup>TM</sup> is a diesel fuel for use in compression-ignition (diesel) engines. It is a more refined version of ultra-low sulfur No. 2 diesel fuel that meets ASTM standards for No. 1 diesel fuel. Advanced Refining Concepts, LLC adds between 100 and 200 mg/l of a commercially available lubricity enhancer, Redline FLA 3742, to improve the lubricity characteristics of the fuel. GDiesel<sup>TM</sup> requires no engine modifications for use and is fully fungible with conventional diesel fuel. The fuel is currently being produced at the firm's Sparks, NV facility, with plans for increased production at a refinery being built in Storey County, NV. It will be made available to government fleets subject to regulation under the Alternative Fueled Vehicles in Fleets Program (NAC 486A). Testing performed by a nationally-certified emission testing laboratory suggests that use of GDiesel<sup>TM</sup> reduces tailpipe emissions of particulate matter and nitrous oxide compounds below the level of emissions generated by standard diesel fuel. It may cause a small increase in carbon monoxide and total hydrocarbon emissions. Vehicles using GDiesel<sup>TM</sup> will generate emissions that are within established limits for regulated pollutants in Nevada. The fuel is fully capable of being safely transported in bulk, handled during fueling operations, and used to operate a diesel-powered vehicle.

A copy of Advanced Refining Concepts, LLC application is available for public inspection at the Downtown Reno Library (301 S. Center St.) in Reno, the Las Vegas Library (833 Las Vegas Blvd. North) in Las Vegas, and at the Nevada Division of Environmental Protection, 901 S. Stewart Street, Suite 4001, Carson City, Nevada 89701. A copy of the application may be obtained from NDEP at the preceding address (phone: 775-687-9392).

Written comments on this application will be accepted by NDEP and should be submitted to the attention of Sigurd Jaunarajs at Nevada Division of Environmental Protection, 901 S. Stewart Street, Suite 4001, Carson City, Nevada 89701. Comments will be received until July 19, 2010 and will be considered prior to final action on the designation as an alternative fuel