

## **NOTE**

***The Public Hearing on the Draft Permit, originally scheduled for April 4, 2016 at 1:30 pm at the Cobblestone Hotel and Suites, 158 Rodeo Drive, Killdeer, North Dakota has been canceled due to the lack of sufficient public interest.***

NORTH DAKOTA DEPARTMENT OF HEALTH  
PUBLIC NOTICE TO  
ISSUE AN UNDERGROUND INJECTION CONTROL PERMIT

February 19, 2016

PURPOSE OF PUBLIC NOTICE

THE PURPOSE OF THIS NOTICE IS TO STATE THE DEPARTMENT'S INTENTION TO ISSUE A CLASS I UNDERGROUND INJECTION CONTROL PERMIT UNDER THE AUTHORITY OF ARTICLE 33-25 OF THE NORTH DAKOTA ADMINISTRATIVE CODE.

PERMIT INFORMATION

APPLICANT NAME: White Owl Energy Services (US), Inc.

MAILING ADDRESS: P.O. Box 1953  
Dickinson, ND 58602

FACILITY LOCATION: 16 Miles West of Killdeer  
SW ¼ SE ¼ Sec 20 T145N R97W  
Dunn County

TELEPHONE NUMBER: 403-921-0581

APPLICATION NUMBER: ND-UIC-107

UNDERGROUND INJECTION CONTROL PERMIT

It is the intent of the Department of Health, Division of Water Quality to issue a Class I underground injection control permit (Permit) for one commercial Class I non-hazardous waste underground injection well located approximately 16 miles west of Killdeer in Dunn County, North Dakota (Section 20, Township 145 North, Range 97 West).

The proposed Class I injection well is the existing Carus 1-20-3D (API#33-025-00166-00-00); this well initially produced oil and gas from the Mission Canyon formation and was

subsequently converted into a Class II Injection well. The Class II well was permitted by the North Dakota Industrial Commission – Division of Oil and Gas), but the injection of Class II fluids into the well did not occur and the well is currently shut in. The injection well will be permitted by the NDDH and operated as a Class I non-hazardous waste injection well.

The permitted waste stream consists of exempt and non-exempt non-hazardous industrial waste fluids. The well will be operated as a commercial Class I injection well and all waste fluids will be confirmed to be non-hazardous prior to injection. The permitted wastes are: produced water, flowback water, pipeline test water, refinery wastewater, landfill leachate from special waste landfills, oil terminal runoff, used and unused oil well fracturing fluids, vacuum truck rinsate, gas plant cooling tower cleaning waste, waste compressor fluids, pipeline pit wastewater, and pesticide wastes. The waste fluids are expected to contain elevated levels of petroleum hydrocarbons, total dissolved solids (TDS), sulfate, sodium, and chloride.

The waste fluids are authorized to be injected into one interval consisting of the Inyan Kara Formation, a Cretaceous sandstone unit, between 5,775 and 5,850 feet below ground surface (bgs). The uppermost perforated injection interval in Well #1 is approximately 3,680 feet below the lowermost underground source of drinking water (USDW), the Fox Hills Sand (base elevation of 2,095 feet below ground surface). Injection Well #1 will be designed to have a maximum injection capacity of 234 gallons per minute (gpm). The maximum permitted volume of injected fluids is  $1.23 \times 10^9$  gallons. The permit will be issued for a five year period, beginning on the date the permit is signed by the Director of Water Quality.

#### PUBLIC COMMENTS AND HEARING

The Draft Permit will be available for public review and comment for thirty (30) days following publication of the Public Notice. The public comment period begins February 19, 2016 and ends March 21, 2016. Interested persons may submit written comments to the Department on the Draft Permit during this period. The Department has tentatively scheduled a Public Hearing on the Draft Permit on April 4, 2016 at 1:30 pm at the Cobblestone Hotel and Suites, 158 Rodeo Drive, Killdeer, ND. The hearing will be held if there is sufficient public interest pertaining to the proposed Draft Permit. Interested persons may request a public hearing by stating the nature of the specific issues to be raised.

If sufficient public interest is not raised and a hearing is not requested by March 21, 2016, the hearing will not be conducted. Please check <http://www.ndhealth.gov/DoH/PublicNotices.aspx> or call the Department at 701-328-5210 on or after March 21, 2016 for confirmation of the hearing.

The North Dakota Department of Health will consider all comments prior to taking any action on the permit. Comments, questions, and written communication should be directed to:

Karl Rockeman, Director  
North Dakota Department of Health  
Division of Water Quality  
918 East Divide Avenue, 4<sup>th</sup> Floor  
Bismarck, ND 58501-1947

The Draft Permit, Fact Sheet, and Permit Application are available for review during the hours of 8:30 a.m. to 4:30 p.m., Monday through Friday, at the North Dakota Department of Health, Division of Water Quality, 918 East Divide Avenue, 4<sup>th</sup> Floor, Bismarck, North Dakota. A copy of this Public Hearing Notice is also on the Department's website at: <http://www.ndhealth.gov/DoH/PublicNotices.aspx>.

Anyone requiring special access or accommodations to review the documents may contact the Department at 701-328-5210.

PUBLIC NOTICE NUMBER: ND-2016-009