Statement of Basis

 Permit to Construct No. P-2011.0139
 Project ID 61381

 Northwest Pipeline LLC
 Buhl, Idaho

 Facility ID 083-00050

 Final

 July 30, 2014
 Robert Baldwin
 Permit Writer

 The purpose of this Statement of Basis is to satisfy the requirements of IDAPA 58.01.01.et seq, Rules for the Control of Air Pollution in Idaho, for issuing air permits.
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ACRONYMS, UNITS, AND CHEMICAL NOMENCLATURE

AAC acceptable ambient concentrations
AACC acceptable ambient concentrations for carcinogens
acfm actual cubic feet per minute
ASTM American Society for Testing and Materials
BACT Best Available Control Technology
BMP best management practices
Btu British thermal units
CAA Clean Air Act
cfm cubic feet per minute
CI compression ignition
CO carbon monoxide
CO$_2$ carbon dioxide
COMS continuous opacity monitoring systems
DEQ Department of Environmental Quality
dscf dry standard cubic feet
EPA U.S. Environmental Protection Agency
HAP hazardous air pollutants
hp horsepower
hr/yr hours per consecutive 12 calendar month period
ICE internal combustion engines
IDAPA a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
iwg inches of water gauge
MMBtu million British thermal units
MMscf million standard cubic feet
NAAQS National Ambient Air Quality Standard
NESHAP National Emission Standards for Hazardous Air Pollutants
NO$_2$ nitrogen dioxide
NO$_x$ nitrogen oxides
NSPS New Source Performance Standards
O&M operation and maintenance
O$_2$ oxygen
PC permit condition
PM particulate matter
PM$_{2.5}$ particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 micrometers
PM$_{10}$ particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
ppm parts per million
ppmw parts per million by weight
PTC permit to construct
PTE potential to emit
RICE reciprocating internal combustion engines
Rules Rules for the Control of Air Pollution in Idaho
SCL significant contribution limits
SIP State Implementation Plan
SM synthetic minor
SM80 synthetic minor facility with emissions greater than or equal to 80% of a major source threshold
SO$_2$ sulfur dioxide
SO$_x$ sulfur oxides
VOC volatile organic compounds
4SRB 4-stroke rich burn
FACILITY INFORMATION

Description
Northwest Pipeline LLC, operates an existing natural gas pipeline compressor station which is located 20 miles west of Buhl, Idaho. At this facility two natural gas-fired turbines are used to power natural gas compressors for a Federal Energy Regulatory Commission (FERC) regulated natural gas pipeline. The two gas turbines are a Solar Centaur model T-5502, and a Solar Centaur model T-4700S. The Solar Centaur model T-5502 and the Solar Centaur model T-4700S gas turbines are stationary.

Permitting History
The following information was derived from a review of the permit files available to DEQ. Permit status is noted as active and in effect (A) or superseded (S).

June 17, 1991 P-08300050, New compressor station with a natural gas turbine compressor rated at 5500 hp.(S)
June 5, 1995 P-08300050, Action was to decrease the allowable NOx and increase the allowable CO.(S)
March 20, 2002 P-010434, Authorizes the construction of a new, gas turbine-driven, natural gas compressor, Solar Centaur T-4700S.(S)
August 25, 2003 P-030409, revision of Permit Condition 3.1 of P-010434 which requires NWP to submit a complete T1 permit application.(S)
October 15, 2004 P-40402, Modifies Permit Conditions 2.3, 2.8, 2.9, and 2.13 of P-030409 and supercedes P-030409.(S)
December 9, 2011 P-2011.0139 project 60963, Update the Responsible Official and Facility Contact (S)
July 30, 2014 P-2011.0139 project 61381, A revision for a name change from Northwest Pipeline GP to Northwest Pipeline LLC. (A) upon issuance.

Application Scope
This PTC is a revision of an existing PTC for a name change.

Application Chronology
May 22, 2014 DEQ received an application.
July 24, 2014 DEQ issued the final permit and statement of basis.

TECHNICAL ANALYSIS
No changes are made. Refer to the statement of basis for PTC No. P-2011.0139 project 60963.

REGULATORY ANALYSIS
No changes are made. Refer to statement of basis for PTC No. P-2011.0139 project 60963.

PUBLIC REVIEW
Because this permitting action does not authorize an increase in emissions, an opportunity for public comment period was not required or provided in accordance with IDAPA 58.01.01.209.04.