



**BUREAU OF AIR POLLUTION CONTROL**

**Facility ID No. A0014**

**Permit No. AP4911-1062.01**

**CLASS I AIR QUALITY OPERATING PERMIT  
SPECIFIC OPERATING REQUIREMENTS**

Issued to: NANIWA ENERGY, LLC, hereafter called the Permittee

**Section VI. Specific Operating Conditions**

**1B. Emission Units #S2.001 through S2.006** location North 4,381.435 km, East 283.974 km, UTM (Zone 11)

**1B. System 01B - Combustion Turbines (*Alternative Operating Scenario: No. 2 Fuel Oil and Kerosene*)**

- S2.001 Westinghouse Simple Cycle Combustion Turbine #1, 60 MWe ( nominal)
- S2.002 Westinghouse Simple Cycle Combustion Turbine #2, 60 MWe ( nominal)
- S2.003 Westinghouse Simple Cycle Combustion Turbine #3, 60 MWe ( nominal)
- S2.004 Westinghouse Simple Cycle Combustion Turbine #4, 60 MWe ( nominal)
- S2.005 Westinghouse Simple Cycle Combustion Turbine #5, 60 MWe ( nominal)
- S2.006 Westinghouse Simple Cycle Combustion Turbine #6, 60 MWe ( nominal)

1. NAC 445B.3405 (NAC 445B.316) Part 70 Program  
Air Pollution Equipment

a. Emissions from **S2.001 through S2.006**, each, shall be ducted to a control system with 100% capture and a maximum volume flow rate of **1,700,000** actual cubic feet per minute (acfm). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A. The control system consists of the following:

- (1) A water injection system for the control of NO<sub>x</sub> and CO emissions.
- (2) A CO catalyst system.
- (3) A selective catalytic reduction system for the control of NO<sub>x</sub>.

b. Stack Parameters:

Stack Height: 90.0 ft  
Stack Diameter: 14.0 ft  
Exhaust Temperature: 830 °F  
Velocity: 183.0 ft/sec  
Volumetric Flowrate: 1,700,000 acfm