

**Technical Review and the Evaluation of the
Application for Air Quality Permit
Permit Number 49138**

I. INTRODUCTION

This Class II Significant Revision is being issued to North Baja Pipeline, LLC, the Permittee, for the replacement of two of the Rolls Royce 501 KC7 DLE units with two Solar Taurus 60 units rated at 7,700 horsepower. The North Baja Pipeline Compressor Station is located in Ehrenberg, La Paz County, Arizona. The facility was issued a Class II permit (Number 41447) in November 2007.

II. EMISSIONS

In addition to the change requested by the Permittee, the Department discovered that the permit did not include a nitrogen oxide (NO_x) emission limit which is required in order to ensure that the facility stays below major source thresholds. As a result a NO_x emission limit of 0.106 lb/MMBtu was added to the permit. Although the permit was not previously written in a manner which would prevent an exceedance of the major source thresholds, actual emissions reports from the facility show that they did not at anytime operate as a major source of emissions. The facility wide emissions from this facility including the new turbines are listed in Table 1 below:

Table 1: Facility Wide Emissions

Pollutant	Emissions (TPY)
NO_x	90
CO	90
SO₂	2.81
VOCs	29.43
PM	4.38
PM₁₀	4.38

III. APPLICABLE REGULATIONS

The new compressor units trigger 40 Code of Federal Regulations (CFR) 60 Subpart KKKK since they were manufactured after February 18, 2005.

IV. PERIODIC MONITORING

No changes in the periodic monitoring are occurring as part of this significant revision.

V. MONITORING REQUIREMENTS

No monitoring changes are being made as part of this significant revision.

VI. TESTING REQUIREMENTS

No testing changes have been made as part of this significant revision. Existing permit language requires the source to conduct annual NO_x testing.

VII. LIST OF ABBREVIATIONS

A.A.C.	Arizona Administrative Code
CFR	Code of Federal Regulations
CO	Carbon Monoxide
hp	Horsepower
kW	Kilowatts
Lb/hr	Pound per Hour
NO _x	Nitrogen Oxide
PM	Particulate Matter
PM ₁₀	Particulate Matter with an Aerodynamic Diameter less than 10 Microns
SO ₂	Sulfur Dioxide
TPY	Tons per Year
VOC	Volatile Organic Compound