

**Southern Ute Indian Tribe  
Environmental Programs Division  
Air Quality Program  
151 CR 517  
Ignacio, Colorado 81137**



**AIR POLLUTION CONTROL  
TITLE V PERMIT TO OPERATE**

In accordance with the provisions of Title V of the Clean Air Act (42 U.S.C. 7661-7661f) and Part 1, Article II of the Southern Ute Indian Tribe/State of Colorado Environmental Commission's Reservation Air Code (RAC) and applicable rules and regulations,

**Samson Resources Company  
Worford Ridge Compressor Station**

is authorized to operate air emission units and to conduct other air pollutant emitting activities in accordance with the conditions listed in this permit.

This source is authorized to operate at the following location:

**Southern Ute Indian Reservation  
NW $\frac{1}{4}$ , SE $\frac{1}{4}$  Section 16, T33N R8W  
La Plata County, Colorado**

Terms not otherwise defined in this permit have the meaning assigned to them in the referenced regulations. All terms and conditions of the permit are enforceable by the Tribe and citizens under the Clean Air Act.

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Brenda Jarrell, Air Quality Program Manager  
Environmental Programs Division  
Southern Ute Indian Tribe

**AIR POLLUTION CONTROL  
TITLE V PERMIT TO OPERATE  
Samson Resources Company  
Worford Ridge Compressor Station**

Permit Number: V-SUIT-0046-2014.00                      Issue Date:                      {TBD}  
[Replaces EPA-issued Permit No.: V-SU-0046-07.01]      Effective Date:                      {TBD}  
Expiration Date:                      {TBD}

The permit number cited above should be referenced in future correspondence regarding this facility.

**Permit History**

<b>DATE</b>	<b>TYPE OF ACTION</b>	<b>SECTION NUMBER AND TITLE</b>	<b>DESCRIPTION OF ACTION</b>
June 2007	Initial Part 71 Permit Issued		# V-SU-0046-07.00
January 2008	Administrative Amendment		# V-SU-0046-07.01
{TBD}	Initial Part 70 Permit issued		# V-SUIT-0046-2014.00 Replaces EPA-issued permit #V-SU-0046-07.01

## Table of Contents

Abbreviations and Acronyms.....	ii
List of Tables.....	iii
I. Source Information and Emission Unit Identification.....	1
I.A. Source Information.....	1
I.B. Source Emission Points.....	2
II. Requirements for Engines .....	3
II.A. 40 CFR Part 63, Subpart A .....	3
II.B. 40 CFR Part 63, Subpart ZZZZ.....	3
II.C. Emission Limits .....	3
II.D. Work, Operation and Management Practices.....	4
II.E. Initial Compliance Requirements.....	5
II.F. Initial Performance Test Requirements.....	5
II.G. Performance Test Procedures.....	6
II.H. Continuous Compliance Requirements.....	6
II.I. Notifications.....	6
II.J. Recordkeeping Requirements .....	7
II.K. Reporting.....	8
III. Facility-Wide Requirements .....	8
III.A. General Recordkeeping Requirements.....	8
III.B. General Reporting Requirements .....	9
III.C. Alternative Operating Scenarios .....	10
III.D. Permit Shield.....	11
IV. Part 70 Administrative Requirements.....	11
IV.A. Annual Fee Payment .....	11
IV.B. Compliance Requirements .....	13
IV.C. Duty to Provide and Supplement Information .....	14
IV.D. Submissions .....	15
IV.E. Severability Clause.....	15
IV.F. Permit Actions.....	15
IV.G. Administrative Permit Revision.....	16
IV.H. Minor Permit Revisions .....	16
IV.I. Significant Permit Revisions.....	17
IV.J. Permit Reopenings, Revocations and Reissuances, and Terminations .....	17
IV.K. Property Rights .....	18
IV.L. Inspection and Entry .....	18
IV.M. Emergency Situations.....	19
IV.N. Permit Transfers.....	19
IV.O. Off-Permit Changes .....	19
IV.P. Permit Expiration and Renewal .....	20
V. Appendix.....	22
V.A. Inspection Information.....	22

## Abbreviations and Acronyms

4SLB	Four-Stroke Lean-Burn
4SRB	Four-Stroke Rich-Burn
AQP	Southern Ute Indian Tribe's Air Quality Program
bbf	Barrels
BACT	Best Available Control Technology
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CMS	Continuous Monitoring System (includes COMS, CEMS and diluent monitoring)
COMS	Continuous Opacity Monitoring System
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
EPA	United States Environmental Protection Agency
FGD	Flue gas desulfurization
gal	Gallon
GPM	Gallons per minute
H <sub>2</sub> S	Hydrogen sulfide
HAP	Hazardous Air Pollutant
hr	Hour
ID	Identification Number
kg	Kilogram
lbs	Pounds
MACT	Maximum Achievable Control Technology
Mg	Megagram
MMBtu	Million British Thermal Units
MMSCFD	Million standard cubic feet per day
mo	Month
NESHAP	National Emission Standards for Hazardous Air Pollutants
NMHC	Non-methane hydrocarbons
NO <sub>x</sub>	Nitrogen Oxides
NSPS	New Source Performance Standard
NSR	New Source Review
pH	Negative logarithm of effective hydrogen ion concentration (acidity)
PM	Particulate Matter
PM <sub>10</sub>	Particulate matter less than 10 microns in diameter
ppbvd	Parts per billion by volume, dry
ppm	Parts per million
ppmvd	Parts per million by volume, dry
PSD	Prevention of Significant Deterioration
PTE	Potential to Emit
psi	Pounds per square inch
psia	Pounds per square inch absolute
RAC	Southern Ute Indian Tribe/State of Colorado Environmental Commission's Reservation Air Code
RICE	Reciprocating Internal Combustion Engine
RMP	Risk Management Plan
scfm	Standard cubic feet per minute
SI	Spark Ignition
SO <sub>2</sub>	Sulfur Dioxide
SUIT	Southern Ute Indian Tribe
tpy	Ton(s) Per Year
Tribe	Southern Ute Indian Tribe
US EPA	United States Environmental Protection Agency
VOC	Volatile Organic Compounds

**List of Tables**

Table 1 - Emission Units.....2

Table 2 - Insignificant Emission Units .....2

## **I. Source Information and Emission Unit Identification**

### **I.A. Source Information**

**Parent Company Name:** Samson Resources Company

**Plant Name:** Worford Ridge Compressor Station

**Plant Location:** NW¼, SE¼ Section 16, T33N R8W  
Latitude: 37.10041  
Longitude: -107.72187

**Reservation:** Southern Ute Indian Reservation

**State:** Colorado

**County:** La Plata County

**Responsible Official:** Attorney-in-Fact

**SIC Code:** 1311

**AFS Plant Identification Number:** 08-067-U0005

**Other Clean Air Act Permits:** This permit replaces the facility's EPA-issued Part 71 permit. There are no other CAA permits issued to this facility.

### **Description of Process:**

The Worford Ridge Compressor Station (Worford Ridge) is a natural gas compression facility located within the exterior boundaries of the Southern Ute Indian Reservation in southwestern Colorado. Worford Ridge receives coal-bed methane gas gathered from nearby sources and dehydrates and compresses the natural gas to transmission pipeline specifications. Gas entering the facility from the field is first fed to an inlet separator that gravimetrically removes water that may have formed/condensed during transportation from the supplying gas wells. The water is transferred to a storage tank where it is stored until removal from the facility. The pipelines are periodically cleaned using pigging operations in the southwest corner of the facility. Separator overhead gas is fed to one of the four compressor engines from a common suction header. The compressors discharge gas to a common discharge header that feeds to scrubbers. The scrubbers separate and collect liquids that may have formed during compression. The compressed gas is then fed to the dehydration unit. Triethylene glycol is circulated counter-currently and absorbs water from the saturated gas. Rich glycol is circulated to a reboiler, where moisture is driven to the atmosphere by heating the glycol. Dry gas exits the contactors and is directed to the sales line, where it is metered and exits the facility. The gas processing capacity of the facility is approximately 40 MMscf/d with four compressor engines operating.

The primary source for emissions is from the facility's four natural gas-fired four-stroke lean-burn (4SLB) spark ignition (SI) compressor engines, and triethylene glycol dehydrator.

**I.B. Source Emission Points**

**Table 1 - Emission Units  
Samson Resources Company, Worford Ridge Compressor Station**

Emission Unit ID	Description	Control Equipment
C-101 C-102 C-103 C-104	4 - Waukesha L5794LT (4SLB SI) natural gas-fired Compressor Engines, 1400 hp  Serial No.: C-14536/1      Installed: 05/06/10 Serial No.: C-15838/1      Installed: 08/15/12 Serial No.: C-15967/1      Installed: 12/04/06 Serial No.: C-15026/1      Installed: 03/11/09	Johnson-Mathey Oxidation Catalyst <sup>1</sup>
D1	1 - 40 MMscf/d Dehydration Still and Flash Tank Vent  Serial No. N/A      Installed: 08/06	None

<sup>1</sup> While the engines are controlled with oxidation catalysts to control CO (75% reduction) and formaldehyde (60% reduction), there are no conditions in this permit to make the use of the catalysts enforceable. Therefore, the PTE of the facility is based on uncontrolled emissions.

**Table 2 - Insignificant Emission Units  
Samson Resources Company, Worford Ridge Compressor Station**

Emission Unit ID	Description
IEU-1 thru IEU-4	4 - 500 gal Lubricating Oil Storage Tanks
IEU-5	1 - 500 gal Ethylene Glycol (antifreeze) Storage Tank
IEU-6	1 - 500 gal Triethylene Glycol (TEG) Storage Tank
IEU-7 & IEU-8	2 - 500 bbl Produced Water Storage Tanks
IEU-9	1 - 400 bbl Slop Tank
IEU-10	1 - 0.75 MMBtu/hr Natural Gas-Fired Regenerator Burner
IEU-11 thru IEU-13	3 - 0.12 MMBtu/hr Natural Gas-Fired Tank Heaters
IEU-14	1 - Pig Launcher
IEU-15	4 - Compressor Blowdown Emissions
IEU-16	4 - Compressor Starter Emissions
IEU-17	4 - Compressor Cylinder Rod Packing Vent Emissions
FUG	Facility Fugitive Emissions

## **II. Requirements for Engines**

### **II.A. 40 CFR Part 63, Subpart A - National Emission Standards for Hazardous Air Pollutants, General Provisions [40 CFR 63.1 - 63.16 and RAC 4-103]**

1. This facility is subject to the requirements of 40 CFR Part 63, Subpart A as outlined in Table 8 of 40 CFR Part 63, Subpart ZZZZ. Notwithstanding conditions in this permit, the permittee shall comply with all applicable requirements of 40 CFR Part 63, Subpart A.

[40 CFR 63.6665]

### **II.B. 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines [40 CFR 63.6580 - 63.6675 and RAC 4-103]**

1. This facility is subject to the requirements of 40 CFR Part 63, Subpart ZZZZ for existing, non-emergency, non-black start 4SLB remote stationary reciprocating internal combustion engines (RICE) with a site rating greater than 500 brake horsepower located at an area source of hazardous air pollutants (HAPs). Notwithstanding conditions in this permit, the permittee shall comply with all applicable requirements of 40 CFR Part 63, Subpart ZZZZ.

2. 40 CFR Part 63, Subpart ZZZZ applies to the following engines:

C-101 – 1,400 bhp, Waukesha L5794LT 4SLB SI natural gas-fired non-emergency engine, constructed or reconstructed before June 12, 2006.

C-102 – 1,400 bhp, Waukesha L5794LT 4SLB SI natural gas-fired non-emergency engine, constructed or reconstructed before June 12, 2006.

C-103 – 1,400 bhp, Waukesha L5794LT 4SLB SI natural gas-fired non-emergency engine, constructed or reconstructed before June 12, 2006.

C-104 – 1,400 bhp, Waukesha L5794LT 4SLB SI natural gas-fired non-emergency engine, constructed or reconstructed before June 12, 2006.

### **II.C. Emission Limits**

1. Emissions units C-101, C-102, C-103 and C-104 are subject to the 40 CFR Part 63, Subpart ZZZZ requirements for existing non-emergency spark ignition (SI) four-stroke lean-burn (4SLB) remote stationary RICE > 500 site-rated hp constructed prior to June 12, 2006. There are no emission limitations for this engine category at this time. If an annual evaluation of the remote status of an engine indicates that the stationary RICE no longer meets the definition of

remote stationary RICE in 40 CFR 63.6675, the permittee must comply with all of the requirements for existing non-emergency, spark ignition (SI) four-stroke lean-burn (4SLB) remote stationary RICE > 500 site-rated hp at area sources of HAP that are not remote stationary RICE within one year of the evaluation.

[40 CFR 63.6603]

## **II.D. Work, Operation and Management Practices**

1. The permittee shall comply with the operating limitations and other requirements at all times.

[40 CFR 63.6605]

2. For emission units C-101, C-102, C-103 and C-104, the permittee shall change the oil and filter and inspect and replace as necessary all spark plugs, hoses and belts every 2,160 hours of operation or annually, whichever comes first; or

[40 CFR 63.6603 and Table 2d, item 8 of Subpart ZZZZ]

3. For emissions units C-101, C-102, C-103 and C-104, the permittee shall have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Table 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

[40 CFR 63.6625(j)]

4. For emission units C-101, C-102, C-103 and C-104, the permittee shall operate and maintain the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

5. For emission units C-101, C-102, C-103 and C-104, the permittee shall develop and follow the permittee's own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engines in a manner consistent with good air pollution control practices for minimizing emissions.

[40 CFR 63.6625(e)(9)]

6. For emission units C-101, C-102, C-103, and C-104, during periods of startup the permittee must minimize the engine's time spent at idle and minimize the engine's time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

7. [40 CFR 63.6603, 40 CFR 63.6625(h) and Table 2d, item 8 of 40 CFR 63, Subpart ZZZZ]

7. At all times, the permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions to the levels required by 40 CFR Part 63, Subpart ZZZZ. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if the required levels have been achieved.

Determination of whether such operations and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[40 CFR 63.6605(b)]

## **II.E. Initial Compliance Requirements**

1. The permittee shall conduct an initial evaluation to determine if each existing non-emergency spark ignition (SI) four-stroke lean-burn (4SLB) remote stationary RICE > 500 site-rated hp meets the definition of remote stationary RICE in 40 CFR 63.6675.

[40 CFR 63.6603]

## **II.F. Initial Performance Test Requirements**

1. Emissions units C-101, C-102, C-103 and C-104 are subject to the requirements for existing non-emergency spark ignition (SI) four-stroke lean-burn (4SLB) remote stationary RICE > 500 site-rated hp constructed prior to June 12, 2006 of 40 CFR Part 63, Subpart ZZZZ. There are no initial performance test requirements at this time. If an annual evaluation of the remote status of an engine indicates that the stationary RICE no longer meets the definition of remote stationary RICE in 40 CFR 63.6675, the permittee must comply with all of the requirements for existing non-emergency, spark ignition (SI) four-stroke lean-burn (4SLB) remote stationary RICE > 500 site-rated hp at area sources of HAP that are not remote stationary RICE within one year of the evaluation.

## **II.G. Performance Test Procedures**

1. Emissions units C-101, C-102, C-103 and C-104 are subject to the requirements for existing non-emergency spark ignition (SI) four-stroke lean-burn (4SLB) remote stationary RICE > 500 site-rated hp constructed prior to June 12, 2006 of 40 CFR Part 63, Subpart ZZZZ. There are no performance test requirements at this time. If an annual evaluation of the remote status of an engine indicates that the stationary RICE no longer meets the definition of remote stationary RICE in 40 CFR 63.6675, the permittee must comply with all of the requirements for existing non-emergency, spark ignition (SI) four-stroke lean-burn (4SLB) remote stationary RICE > 500 site-rated hp at area sources of HAP that are not remote stationary RICE within one year of the evaluation.

[40 CFR 63.6603]

## **II.H. Continuous Compliance Requirements**

1. The permittee shall demonstrate continuous compliance with the emission limitations, operating limitations and other requirements in Table 2d that apply according to the methods specified in Table 6 of 40 CFR Part 63, Subpart ZZZZ.  
[40 CFR 63.6605 and 40 CFR 63.6640(a)]
2. The permittee must report each instance in which an emission or operating limit was not met. These instances are deviations from the emission and operating limitation and must be reported according to the reporting requirements of §63.6650.

[40 CFR 63.6640(b)]

2. The permittee must also report each instance in which the requirements in Table 8 of 40 CFR Part 63, Subpart ZZZZ, were not met.

[40 CFR 63.6640(e)]

## **II.I. Notifications**

1. Emissions units C-101, C-102, C-103 and C-104 are subject to the requirements for existing non-emergency, non-black start spark ignition (SI) four-stroke lean-burn (4SLB) remote stationary RICE > 500 site-rated hp constructed prior to June 12, 2006 of 40 CFR Part 63, Subpart ZZZZ. There are no notification requirements at this time. If an annual evaluation of the remote status of an engine indicates that the stationary RICE no longer meets the definition of remote stationary RICE in 40 CFR 63.6675, the permittee must comply with all of the requirements for existing

non-emergency, spark ignition (SI) four-stroke lean-burn (4SLB) remote stationary RICE > 500 site-rated hp at area sources of HAP that are not remote stationary RICE within one year of the evaluation.

[40 CFR 63.6603]

## **II.J. Recordkeeping Requirements**

1. The permittee must keep the following records to comply with 40 CFR Part 63, Subpart ZZZZ operating limitations:
  - (a) A copy of each notification and report that was submitted to comply with 40 CFR Part 63, Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted, according to the requirements of §63.10(b)(2)(xiv);
  - (b) Records of the occurrence and duration of each malfunction of operation (i.e. process equipment) or the air pollution control and monitoring equipment;
  - (c) Records of performance tests and performance evaluations as required in §63.10(b)(2)(viii);
  - (d) Records of all required maintenance performed on the air pollution control and monitoring equipment, if required; and
  - (e) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

[40 CFR 63.6655(a)]
2. The permittee must keep records required in Table 6 of 40 CFR Part 63, Subpart ZZZZ to demonstrate continuous compliance with each operating limit that applies.

[40 CFR 63.6655(d)]
3. The permittee must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE according to your own maintenance plan.

[40 CFR 63.6655(e)]

4. The permittee must keep each record in a form suitable and readily available for expeditious review, accessible in hard copy or electronic form for five (5) years after the date of each occurrence, measurement, maintenance, corrective action, report, or record.

[40 CFR 63.10(b)(1), 40 CFR 63.10(f), and 40 CFR 63.6660]

## **II.K. Reporting**

1. Emissions units C-101, C-102, C-103 and C-104 are subject to the requirements for existing non-emergency spark ignition (SI) four-stroke lean-burn (4SLB) remote stationary RICE > 500 site-rated hp constructed prior to June 12, 2006 of 40 CFR Part 63, Subpart ZZZZ. There are no reporting requirements at this time. If an annual evaluation of the remote status of an engine indicates that the stationary RICE no longer meets the definition of remote stationary RICE in 40 CFR 63.6675, the permittee must comply with all of the requirements for existing non-emergency, spark ignition (SI) four-stroke lean-burn (4SLB) remote stationary RICE > 500 site-rated hp at area sources of HAP that are not remote stationary RICE within one year of the evaluation.

[40 CFR  
63.6603]

## **III. Facility-Wide Requirements**

Conditions in this section of the permit apply to all emissions units located at the facility, including any units not specifically listed in Table 1 or Table 2 of the Source Emission Points section of this permit.

[RAC 2-110(1)(d)]

### **III.A. General Recordkeeping Requirements [RAC 2-110(6) and RAC 4-103]**

The permittee shall comply with the following generally applicable recordkeeping requirements:

1. If the permittee determines that his or her stationary source that emits (or has the potential to emit, without federally recognized controls) one or more hazardous air pollutants is not subject to a relevant standard or other requirement established under 40 CFR part 63, the permittee shall keep a record of the applicability determination on site at the source for a period of five years after the determination, or until the source changes its operations to become an affected source, whichever comes first. The record of the applicability determination shall include an analysis (or other information) that demonstrates why the permittee believes the source is unaffected (e.g., because the source is an area source).

[40 CFR 63.10(b)(3)]

2. Records shall be kept of off permit changes made, as required by the Off Permit Changes section of this permit.

3. The permittee is the owner or operator of a glycol dehydration unit (D1) that is exempt from the control requirements under 40 CFR §63.764. The permittee shall retain each determination used to demonstrate that actual annual average flowrate of natural gas to the glycol dehydration unit is less than 85,000 scm/day (3,000,000 scf/day) or that the actual average benzene emissions of the glycol dehydration unit are less than 0.9 megagrams/year.

[40 CFR 63.764(e)(1), 63.772(b)(2), and 63.774(d)(1)]

### **III.B. General Reporting Requirements**

1. The permittee shall submit to the Tribe all reports of any required monitoring under this permit semiannually. The report shall be submitted semi-annually, by April 1<sup>st</sup> and October 1<sup>st</sup> of each year. The report due on April 1<sup>st</sup> shall cover the July 1 – December 31 reporting period of the previous calendar year. The report due on October 1<sup>st</sup> shall cover the January 1- June 30 reporting period of the previous calendar year. The initial report shall cover the period from the effective date of this permit through the end of the relevant semi-annual reporting period. All instances of deviations from permit requirements shall be clearly identified in such reports. All required reports shall be certified by a responsible official consistent with the Submissions section of this permit.

[RAC 2-110(7)(a)]

2. “Deviation” means any situation in which an emissions unit fails to meet a permit term or condition. A deviation is not always a violation. A deviation can be determined by observation or through review of data obtained from any testing, monitoring, or recordkeeping established in accordance with RAC 2-110(5) and (6). For a situation lasting more than 24 hours which constitutes a deviation, each 24 hour period is considered a separate deviation. Included in the meaning of deviation are any of the following:

- (a) A situation where emissions exceed an emission limitation or standard;
- (b) A situation where process or emissions control device parameter values indicate that an emission limitation or standard has not been met; or
- (c) A situation in which observations or data collected demonstrate noncompliance with an emission limitation or standard or any work practice or operating condition required by the permit.
- (d) A situation in which an exceedance or an excursion, as defined in 40 CFR Part 64 occurs.

[RAC 1-103(21)]

3. The permittee shall promptly report to the Tribe deviations from permit requirements, (including emergencies), including the date, time, duration, and the probable cause of such deviations, the quantity and pollutant type of excess emissions resulting from the deviation, and any preventative, mitigation, or corrective actions or measures taken. “Prompt” is defined as follows:

- (a) Where the underlying applicable requirement contains a definition of “prompt” or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern.
- (b) Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations will be submitted based on the following schedule:
  - (i) For emissions of a hazardous air pollutant or a toxic air pollutant (as identified in the applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made by email, telephone, verbal, or facsimile communication by the close of business the next working day, upon discovery of the occurrence, and in writing within 10 working days from the occurrence;
  - (ii) For emissions of any regulated air pollutant, excluding those listed in RAC § 2-110(7)(b)(i), that continue for more than 2 hours in excess of permit requirements, the report must be made by email, telephone, verbal, or facsimile communication by the close of business the next working day, upon discovery of the occurrence, and in writing within 10 working days from the occurrence;
  - (iii) For all other deviations from permit requirements, the report shall be contained in the report submitted with the semi-annual monitoring report.

[RAC 2-110(7)(b)]

### **III.C. Alternative Operating Scenarios [RAC 2-110(8)]**

#### Engine Replacement

1. Replacement of an existing engine identified in this permit with a new or overhauled engine shall be allowed as an off-permit change pursuant to the Off Permit Changes provisions of this permit provided all of the following conditions are met:

- (a) The engine exchange is not subject to any requirements under Title IV of the Clean Air Act and are not modifications under Title I of the Clean Air Act;
- (b) The new or overhauled engine is of the same make, model, horsepower rating, and configured to operate in the same manner as the engine being replaced.
- (c) The new or overhauled engine meets all applicable requirements identified in this permit that apply to the existing engine being replaced.
- (d) All applicable requirements that apply to the new or overhauled engine are already identified in the permit. Replacement of an existing engine identified in this permit with a new or overhauled engine must utilize a Minor Permit Revision as specified in RAC 2-111(3) or a Significant Permit Revision as specified in RAC 2-111(4) to incorporate any new applicable requirements. The applicable requirements include, but may not be limited to:
  - (i) Standards of Performance for Stationary Spark Ignition Internal Combustion Engines at 40 CFR Part 60, Subpart JJJJ;

- (ii) Standards of Performance for Stationary Compression Ignition Internal Combustion at 40 CFR Part 60, Subpart III;
- (iii) National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines at 40 CFR Part 63, Subpart ZZZZ;
- (iv) Requirements established in a permit or permits issued pursuant to the Federal Minor New Source Review Program in Indian Country at 40 CFR Part 49;
- (v) Requirements established in a permit or permits issued pursuant to the Prevention of Significant Deterioration of Air Quality Program at 40 CFR Part 52; or Requirements established in any promulgated Federal Implementation Plan that may apply to engines located on the Southern Ute Indian Reservation.

2. The Permittee shall provide contemporaneous written notice to the Tribe and the Administrator of any replacement of an existing engine identified in this permit with a new or overhauled engine. Such notice shall state when the exchange occurred and shall describe the change and any applicable requirement that would apply as a result of the change.

3. The Permittee shall keep a record of the engine exchange.

**III.D. Permit Shield** [RAC 2-110(10)(c)]

Nothing in this permit shall alter or affect the following:

- 1. The provisions of Section 303 of the Clean Air Act, 42 U.S.C. § 7603 concerning emergency powers, including the respective authorities of the Administrator under those sections;
- 2. The liability of a permittee for any violation of applicable requirements prior to or at the time of permit issuance;
- 3. The ability of the Administrator respectively to obtain information from a source pursuant to Section 114 of the Clean Air Act, 42 U.S.C. § 7414.

**IV. Part 70 Administrative Requirements**

**IV.A. Annual Fee Payment** [RAC 2-110(1)(h) and RAC 2-118]

- 1. An annual operating permit emission fee shall be paid to the Tribe by the permittee. [RAC 2-118(2)]
- 2. The permittee shall pay the annual permit fee each year no later than April 1<sup>st</sup>. [RAC 2-118(2)]
- 3. Fee payments shall be remitted in the form of a money order, bank draft, certified check, corporate check, or electronic funds transfer payable to the Southern Ute Indian Tribe and sent or delivered by the United States Postal Service c/o Environmental Programs Division Part 70 Program, P.O. Box 737 MS #84, Ignacio, Colorado 81137; or by common carrier (such as UPS or FedEx) c/o

Environmental Programs Division Part 70 Program, 398 Ouray Drive, Ignacio, Colorado 81137.

[RAC 2-118(4)(a)]

4. The permittee shall send an updated fee calculation worksheet submitted annually by the same deadline as required for fee payment to the address listed in the Submissions section of this permit.

[RAC 2-118]

5. Basis for calculating annual fee:

- (a) Subtotal annual fees shall be calculated by multiplying the applicable emission fee set pursuant to RAC § 2-119(1) times the total tons of actual emissions, as defined at RAC 1-103(2), for each fee pollutant. The permittee may, in absence of actual emissions data, calculate the annual fee based on the potential to emit, as defined at RAC 1-103(51) for each fee pollutant. Emissions of any regulated air pollutant that already are included in the fee calculation under a category of regulated pollutant, such as a federally listed hazardous air pollutant that is already accounted for as a VOC or as PM10, shall be counted only once in determining the source's actual emissions.

[RAC 2-119(2)(a)]

- (i) Actual emissions shall be computed using compliance methods required by the permit.

[RAC 2-118(1)(b)]

- (ii) If actual emissions cannot be determined using the compliance methods in the permit, the permittee shall use other federally recognized procedures.

[RAC 2-118(1)(b)]

- (b) The total annual fee submitted shall be the greater of the applicable minimum fee or the sum of subtotal annual fees for all fee pollutants emitted from the source.

[RAC 2-119(2)(b)]

*[Explanatory Note: The applicable emission fee amount and applicable minimum fee (if necessary) are revised each calendar year to account for inflation, and they are available from AQP prior to the start of each calendar year.]*

- (c) The permittee shall exclude the following emissions from the calculation of fees:

- (i) The amount of actual emissions of any one fee pollutant that the source emits in excess of 4,000 tons per year.

- (ii) Any emissions that come from insignificant activities not required in a permit application pursuant to RAC § 2-106(4).

[RAC 1-103(2)(c)]

6. Annual fee calculation worksheets shall be certified as to truth, accuracy, and completeness by a responsible official.  
[RAC 2-105 and RAC 2-118(2)(c)]
7. Failure of the permittee to pay fees by the due date shall subject the permittee to assessment of penalties and interest in accordance with RAC § 2-118(6).  
[RAC 2-118(6)]
8. When notified by the Tribe of underpayment of fees, the permittee shall remit full payment within 30 days of receipt of an invoice from the Tribe.  
[RAC 2-119(3)(b)]
9. A permittee who thinks a Tribe assessed fee is in error and who wishes to challenge such fee shall provide a written explanation of the alleged error to the Tribe along with full payment of the assessed fee.  
[RAC 2-119(3)(c)]

#### **IV.B. Compliance Requirements**

1. Compliance with the Permit
  - (a) The permittee must comply with all conditions of this Part 70 permit. Any permit noncompliance with federally enforceable or Commission-only permit conditions constitutes a violation of the RAC and Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application.  
[RAC 2-110(3)(a)]
  - (b) It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.  
[RAC 2-110(3)(b)]
  - (c) All terms and conditions of this permit which are required under the Clean Air Act or under any of its applicable requirements, including any provisions designed to limit a source's potential to emit, are enforceable by the Administrator and citizens under the Clean Air Act, except terms and conditions the permit specifically designates as not being federally enforceable under the Clean Air Act that are not required under the Clean Air Act or under any of its applicable requirements. Terms and conditions so designated are not subject to the requirements of RAC §§ 2-108, 2-111, 2-112, other than those contained in this paragraph.  
[RAC 2-110(3)(f)]
  - (d) This permit, or the filing or approval of a compliance plan, does not relieve any person from civil or criminal liability for failure to comply with the provisions of the RAC and the

Clean Air Act, applicable regulations thereunder, and any other applicable law or regulation.

[RAC 2-110(3)(g)]

- (e) For the purpose of submitting compliance certifications in accordance with the Compliance Certifications condition below of this permit, or establishing whether or not a person has violated or is in violation of any requirement of this permit, nothing shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.

[Section 113(a) and 113(e)(1) of the Act, 40 CFR §§ 51.212, 52.12, 52.33, 60.11(g), and 61.12]

## 2. Compliance Certifications

The permittee shall submit to the Tribe and the Administrator an annual certification of compliance which shall certify the source's compliance status with all permit terms and conditions and all applicable requirements relevant to the source, including those related to emission limitations, standards, or work practices. The compliance certification shall be certified as to truth, accuracy, and completeness by a responsible official consistent with RAC § 2-110(9)(a). The certification of compliance shall be submitted annually by April 1<sup>st</sup> and shall cover the preceding calendar year in which the certification of compliance is due, except that the first annual certification of compliance will cover the period from the effective date of this permit through December 31 of the same year.

[RAC 2-110(9)(c)]

## 3. Compliance Schedule

- (a) For applicable requirements with which the source is in compliance, the source will continue to comply with such requirements.

[RAC 2-106(4)(1)(ii)]

- (b) For applicable requirements that will become effective during the permit term, the source shall meet such requirements on a timely basis.

[RAC 2-106(4)(1)(iii)]

## IV.C. Duty to Provide and Supplement Information [RAC 2-110(7)(e), 2-106(5), and 2-124]

- 1. The permittee shall furnish to the Tribe, within the period specified by the Tribe, any information that the Tribe request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Tribe copies of records that are required to be kept by the permit, including information claimed to be confidential. Information claimed to be confidential must be accompanied by a claim of confidentiality according to the provisions of RAC 2-124.

[RAC 2-110(7)(e) and RAC 2-124]

2. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information. In addition, a permittee shall provide additional information as necessary to address any requirements that become applicable after the date a complete application is filed, but prior to release of a draft permit.

[RAC 2-106(5)]

**IV.D. Submissions** [RAC 2-105]

1. Any application, form, report, compliance certification, or other document submitted by the permittee under this permit shall contain a certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

*[Explanatory Note: The Tribe has developed a reporting form “CTAC” for certifying truth, accuracy and completeness of Part 70 submissions. The form may be found on the AQP’s website (<http://www.southern-ute.nsn.us/air-quality>).]*

2. Except where otherwise noted, any documents required to be submitted under this permit, including reports, test data, monitoring data, notifications, compliance certifications, fee calculation worksheets, and applications for renewals and permit modifications shall be submitted:

by United States Postal Service:  
Part 70 Program  
Environmental Programs Division  
Air Quality Program  
P.O. Box 737 MS #84  
Ignacio, Colorado 81137

or by Common Carrier:  
Part 70 Program  
Environmental Programs Division  
Air Quality Program  
398 Ouray Drive  
Ignacio, CO 81137

**IV.E. Severability Clause** [RAC 1-106 and RAC 2-110(1)(f)]

The provisions of this permit are severable, and in the event of any challenge to any portion of this permit, or if any provision is held invalid, the remaining permit conditions shall remain valid and in force.

**IV.F. Permit Actions** [RAC 2-110(3)]

1. This permit may be modified, reopened and revised, revoked and reissued, or terminated for cause.

[RAC 2-110(3)(c)]

2. The filing by the permittee of a request for a permit revision, reissuance, or termination, or of a notification of planned changes or anticipated noncompliance shall not stay any permit condition.

[RAC 2-110(3)(d)]

**IV.G. Administrative Permit Revision** [RAC 2-111(2)]

1. The permittee may submit an application for an administrative permit revision as defined in RAC § 1-103. [RAC 2-111(2)(a)]
2. The permittee may implement an administrative permit revision immediately upon submittal of the request for the administrative revision. [RAC 2-111(2)(c)]

*[Note to permittee: If the provisions allowing for an administrative permit revision do not apply, please contact the Air Quality Program for a determination of similarity prior to submitting your request for an administrative permit revision.]*

**IV.H. Minor Permit Revisions** [RAC 2-111(3)]

1. The permittee may submit an application for a minor permit revision as defined in RAC § 1-103.
2. An application requesting the use of minor permit revision procedures shall meet the requirements of RAC § 2-106(4) and shall include the following:
  - (a) A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
  - (b) If changes are requested to the permit language, the permittee's suggested draft permit changes;
  - (c) Certification by a responsible official, consistent with RAC § 2-105, that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and
  - (d) Completed forms for the Tribe to use to notify the Administrator and affected programs as required under RAC § 2-108
  - (e) If the requested permit revision would affect existing compliance plans or schedules, related progress reports, or certification of compliance requirements, and an outline of such effects. [RAC 2-111(3)(a)]
3. The permittee shall not submit multiple minor permit revision applications that may conceal a larger revision that would not constitute a minor permit revision. [RAC 2-111(3)(b)]
4. The permittee may make the change proposed in its minor permit revision application immediately after it files such application, provided, however, for sources that have previously utilized this provision during the term of the permit and, on two or more occasions have failed to file a

complete application, may thereafter make the change only after the application is deemed complete. After the permittee makes the change and until the Tribe takes any of the actions specified in the following subsection, the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this period, the permittee need not comply with the existing permit terms and conditions it seeks to modify. If the permittee fails to comply with its proposed permit terms and conditions during this period, however, the existing permit terms and conditions it seeks to modify may be enforced against it.

[RAC 2-111(3)(e)]

5. The permit shield under RAC § 2-110(10) does not extend to minor permit revisions.

[RAC 2-110(10)(d)]

#### **IV.I. Significant Permit Revisions [RAC 2-111(4)]**

1. The permittee must request the use of significant permit revision procedures as defined in RAC § 1-103.
2. Significant permit revisions shall meet all requirements of the RAC for permit issuance and renewal, including those for applications, review by the Administrator and affected programs, and public participation.

[RAC 2-111(4), 2-109, and 2-106(3)]

#### **IV.J. Permit Reopenings, Revocations and Reissuances, and Terminations [RAC 2-112]**

1. The permit may be reopened and revised for any of the reasons listed in paragraphs (a) through (d) below. Alternatively, the permit may be revoked and reissued for the reasons listed in paragraphs (c) and (d) below:
  - (a) Additional requirements under the Clean Air Act become applicable to a major source with a remaining permit term of 3 or more years, provided that the Tribe shall revise such permits to incorporate such additional requirements no later than 18 months after promulgation of such requirements, and no such reopening is required if the effective date of the requirement is later than the permit expiration date unless the original permit or any of its terms or conditions have been extended past the permit expiration date pursuant to RAC § 2-104(2)(b)(iii);
  - (b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit;
  - (c) The Tribe or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the terms or conditions of the permit;  
or

(d) The Tribe or the Administrator determines that the permit must be revised or revoked and reissued to assure compliance with applicable requirements.

2. The permit may be terminated for any of the reasons in (a) through (g) below:

- (a) The permittee fails to meet the requirements of an approved compliance plan;
- (b) The permittee has been in significant or repetitious noncompliance with the operating permit terms or conditions;
- (c) The permittee has exhibited a history of willful disregard for environmental laws of any tribal or state authority, or of the United States;
- (d) The permittee has knowingly misrepresented a material fact in any application, record, report, plan, or other document filed or required to be maintained under the permit;
- (e) The permittee falsifies, tampers with, or renders inaccurate any monitoring device or method required to be maintained under the permit;
- (f) The permittee fails to pay fees required under RAC §§ 2-118 and 2-119; or
- (g) The Administrator has found that cause exists to terminate the permit.

**IV.K. Property Rights** [RAC 2-110(3)(e)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

**IV.L. Inspection and Entry** [RAC 2-110(9)(b)]

Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Tribe or other authorized representative to perform the following:

- 1. Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- 2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- 3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- 4. As authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**IV.M. Emergency Situations** [RAC 2-117]

1. The permittee may seek to establish that noncompliance with a technology-based emission limitation under this permit was due to an emergency as defined in RAC § 1-103. To do so, the permittee shall demonstrate the affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that:
  - (a) An emergency occurred and that the permittee can identify the cause(s) of the emergency;
  - (b) The permitted facility was at the time being properly operated;
  - (c) During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit; and
  - (d) The permittee reported the emergency to the Tribe in compliance with RAC § 2-110(7).

[RAC 2-117(1)]
2. In any enforcement proceeding the permittee attempting to establish the occurrence of an emergency has the burden of proof.

[RAC 2-117(2)]
3. This emergency situation provision is in addition to any emergency or upset provision contained in any applicable requirement.

[RAC 2-117(3)]

**IV.N. Permit Transfers** [RAC 2-113]

This permit shall not be transferable, by operation of law or otherwise, from one location to another or from one source to another, except that a permit may be transferred from one location to another in the case of a portable source that has notified the Tribe in advance of the transfer, pursuant to the RAC. A permit for a source may be transferred from one person to another if the Tribe finds that the transferee is capable of operating the source in compliance with the permit. This transfer must be accomplished through an administrative permit revision in accordance with the Administrative Permit Revisions section of this permit.

**IV.O. Off-Permit Changes** [RAC 2-116(2)]

1. The permittee is allowed to make, without a permit revision, certain changes that are not addressed or prohibited by this permit provided that the following requirements are met:
  - (a) Each such change meets all applicable requirements and shall not violate any existing permit term or condition;
  - (b) Such changes are not subject to any requirements under Title IV of the Clean Air Act and are not modifications under Title I of the Clean Air Act;

- (c) Such changes are not subject to permit revision procedures under RAC § 2-111; and
- (d) The permittee provides contemporaneous written notice to the Tribe and the Administrator of each such change, except for changes that qualify as insignificant activities. Such notice shall state when the change occurred and shall describe the change, any resulting emissions change, pollutants emitted, and any applicable requirement that would apply as a result of the change.

[RAC 2-116(2)(a)]

- 2. The permit shield does not apply to changes made under this provision.

[RAC 2-110(10)(d)]

- 3. The permittee shall keep a record describing changes made at the source that result in emissions of any regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

[RAC 2-116(2)(b)]

- 4. The notice shall be kept on site and made available to the Administrator and Tribe on request, in accordance with the general recordkeeping provision of this permit.

- 5. Submittal of the written notice required above shall not constitute a waiver, exemption, or shield from applicability of any applicable standard or PSD permitting requirements under 40 CFR 52.21 that would be triggered by the replacement of any one engine, or by replacement of multiple engines.

**IV.P. Permit Expiration and Renewal** [RAC §§ 2-104(3), 2-106(2)(b), 2-107(7)(a), 2-107(7)(b), 2-110(1)(a), and 2-106(3)]

- 1. This permit shall expire upon the earlier occurrence of the following events:

- (a) Five years elapse from the date of issuance; or
- (b) The source is issued a Part 70 or Part 71 permit under an EPA approved or delegated permit program.

[RAC 2-110(1)(a)]

- 2. Expiration of this permit terminates the permittee's right to operate unless a timely and complete permit renewal application has been submitted at least 6 months but not more than 18 months prior to the date of expiration of this permit.

[RAC 2-107(7)(b)]

- 3. If the permittee submits a timely and complete permit application for renewal, consistent with RAC § 2-106 but the Tribe has failed to issue or disapprove a renewal permit before the end of the permit term, then the permit shall not expire and all its terms and conditions shall remain in effect until the renewal permit has been issued or disapproved.

[RAC 2-104(2)(b)]

4. The ability to operate under this permit shall cease if (1) the Tribe takes final action to issue the permittee a renewal permit or deny the permittee a permit or (2) the permittee fails to submit by the deadline specified in writing by the Tribe any additional information identified as being needed to process the application.

[RAC 2-104(3)]

5. Renewal of this permit is subject to the same procedures, including those for public participation and affected program and EPA review, as those that apply to initial permit issuance.

[RAC 2-107(7)(a)]

6. The application for renewal shall include the current permit number, description of permit revisions and off permit changes that occurred during the permit term, any applicable requirements that were promulgated and not incorporated into the permit during the permit term, and other information required by the application form.

[RAC 2-106(4)(e)(ix)]

## **V. Appendix**

### **V.A. Inspection Information**

1. Driving Directions to the facility:

The Worford Ridge Compressor Station is located southwest of Ignacio, Colorado. TO get to the Worford Ridge Compressor Station from Ignacio take Highway 172 south out of town to County Road 318. Turn west onto County Road 318. Follow County Road 318 for approximately 4.2 miles. Turn north (right) onto a dirt road and go through the security gate. The road bends from north to west. The facility is approximately a half of a mile from County Road 318.

2. Global Positioning System (GPS):

Latitude: 37.10041  
Longitude: -107.72187

3. Safety Considerations:

Samson Resources requires persons entering the site to wear a hard hat, safety glasses, safety toe footwear, hearing protection, and fire retardant clothing.