

**AUTHORIZATION TO OPERATE (ATO)**

**UNDER PDEQ CLASS II/III GENERAL AIR QUALITY PERMIT 6205  
For  
FUEL BURNING EQUIPMENT (BOILERS, HEATERS, & GENERATORS)**



**I. FACILITY INFORMATION:**

Business Name: UNS Energy Corporation  
 Facility Name: UNS Energy Corporation  
 Source Location: 88 E Broadway Blvd, Tucson, AZ 85701

**Permitted Emissions Limits:**

| Conventional or Criteria Air Pollutant (tons/year) |                  |      |                 |      |      |                 |       | HAP(s) (tons/year) |
|--|------------------|------|-----------------|------|------|-----------------|-------|--------------------|
| PM <sub>2.5</sub>                                  | PM <sub>10</sub> | PM   | NO <sub>x</sub> | VOC  | CO   | SO <sub>2</sub> | Lead  | Total              |
| < 90   | < 90             | < 90 | < 90            | < 90 | < 90 | < 90            | < 0.6 | < 10               |

**II. AUTHORIZED EQUIPMENT:**

Equipment, operations, and activities for which emissions are allowed by the general permit are as follows:

**Section 4C – NSPS for CI ICE (Emergency Designated Engines):**

| Equip. No. | Description/ Location | MFR/ Model           | Serial Number/ Unique ID | Maximum Rated Capacity | Date of MFR | Date Installed | Run Hour Limitation <sup>1</sup> | Allowable Fuels |
|------------|-----------------------|----------------------|--------------------------|------------------------|-------------|----------------|----------------------------------|-----------------|
| 6129-001   | Generator             | Cummins/QSK50-G4-NR2 | 50264/UEC-EGEN1          | 2,220 hp               | 1/1/2011    | -              | 100                              | Diesel          |

<sup>1</sup> The run hours are limited to maintenance testing and readiness checks and non-emergency operation in accordance with the federal requirements. There is no limit on hours of operation during true emergencies.

**Section 4C – Supplemental Requirements:**

| Equip. No. | Applicable NSPS Emission Standard   | NO <sub>x</sub> g/hp-hr | NMHC g/hp-hr | NMHC+NO <sub>x</sub> g/hp-hr | CO g/hp-hr | PM g/hp-hr | Certified Emission Life (term, date)            |
|------------|-------------------------------------|-------------------------|--------------|------------------------------|------------|------------|---|
| 6129-001   | Model Year 2007 and Later Emergency | -                       | -            | 4.8                          | 2.6        | 0.15       | 8,000 hours or 10 years, whichever comes first. |

Rupesh Patel, Air Permit Manager, PDEQ

| ATO #6129        |                   |
|------------------|-------------------|
| Issued Date:     | December 20, 2017 |
| Effective Date:  | January 5, 2018   |
| Expiration Date: | January 4, 2022   |