

Permit No.: V-2152
Issued: May XX, 2023
Expires: May XX, 2028

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT

TITLE V OPERATING PERMIT

Issued in Accordance with the Provisions of 40 CFR Part 70
and Rule 900 of the Imperial County Air Pollution Control District

Company Name: Imperial Irrigation District
Facility Name: El Centro Generating Station
SIC Code: 4911 (Electric Services)
Source Type: Power Plant
Plant Location: 485 East Villa Avenue, El Centro, CA 92243
Mailing Address: 333 East Barioni Blvd., Imperial, CA 92251
Responsible Official: Mr. Kraig Strauch
Plant Site Contact: Mr. Hector Galarte
Telephone: (760) 339 0571

Issued by:

Belen Leon
Air Pollution Control Officer

Date

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Attachment A

Acid Rain Application

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Equipment Listing

I. Combined Cycle Unit

A. Unit 2

1. Equipment Specifications

Description: Combustion Turbine, Heat Recovery Steam Generator, Steam Turbine, and Related Equipment.

Manufacturer: GE Frame 7EA Combustion Turbine, ABB/EC HRSG.

Capacity: Net Power Output 115 MW, Combustion Turbine 83 MW.

Heating Rate: Total Combustion Turbine Heat Input = 981.4 MMBtu/hr.

Control Equipment: Steam Injection in the Turbine Combustor and SCR in HRSG to Control NO_x.

Monitors: NO_x, SO₂, CO and O₂ (SO₂ is a calculated value).

Cooling System: GEA Induced Draft Counterflow Cooling Tower, Drift Eliminator (0.0005% Drift), 33,425 gpm Circulating Water Flow.

Secondary Fuels: Regular No. 2 Diesel Fuel

B. Unit 3

1. Equipment Specifications

Description: Combustion Turbines (2), Heat Recovery Steam Generators, Steam Turbine and Related Equipment.

Manufacturer: Siemens SGT-800 Combustion Turbine Generators (CTGs); Vogt Power International HRSG.

Capacity: Net Power Output 144 MW, Combustion Turbines: 48 MW (each).

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Heating Rate: Total Combustion Heat Input = 490.2 MMBtu/hr.

Control Equipment: Dry low NO_x Burners; SCR and Oxidation Catalyst System in HRSG to Control NO_x and CO, respectively.

Monitors: NO_x, SO₂, and O₂ (SO₂ is a calculated value).

Cooling System: SPX Induced Draft Counter flow Cooling Tower. Drift Eliminators (0.0005% Droft), 35,000 gpm Circulating Water Flow Rate.

II. Steam Turbine Generator Sets

A. Unit 4

1. Equipment Specifications

Description: Wall Fired Boiler.

Manufacturer: Riley Stoker Boiler with Six Peabody Burners.

Capacity: Net Power Output 74 MW.

Heating Rate: Total Combustion Heat Input = 829.8 MMBtu/hr.

Control Equipment: SCR

Monitors: NO_x, SO₂, and O₂ (SO₂ is a calculated value).

Cooling System: Marley Counter Flow Cooling Tower, with Drift Mist Eliminator Control of 0.0005% and 41,000 gpm Design Water Circulating Flow Rate.

III. Emergency Generator Set

A. Unit 3

1. Equipment Specifications

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Description: Diesel Emergency Standby Generator Set.
Manufacturer: Caterpillar Model 3512C Diesel Engine (US EPA Family Name: BCPXL78.1NZS).
Capacity: 2,206 BHP @ 1,800 rpm.
Heating Rate: Total Heat Input = 104.6 gal/hr at 100% Load.
Control Equipment: Tier 2
Monitors: Non-resettable Hour Meter.

IV. Emergency Fire Pump

1. Equipment Description

Emergency Fire Pump, Detroit Diesel-Allison Engine, Model DDFP-03DT 5068, 139 HP @ 3100 rpm.

V. Unconfined Portable Sandblaster.

1. Equipment Description

- (1) Kelco Abrasive Blasting Pot, Model K-116V with a 300 pound capacity.
- (1) Sullair 30 HP Electric Air Compressor, Model LS10A-30H A/C KT.
- (1) Sullair Air Compressor powered by a Kubota Model 1803 diesel engine rated 49bhp, Tier 4 engine.
- (1) Farr Co. Abrasive Blasting Booth with interior dimensions of 12'W X 10'H X 12'L, equipped with a Tenkay Dust Collector, 15 HP electric motor.

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Permit Conditions

I. General Permit Conditions

1. The Permittee shall obtain an Authority to Construct permit prior to the modification or replacement of any equipment for which a Permit to Operate has been granted and prior to the installation and operation of any equipment for which an Authority to Construct is required. **ICAPCD Rule 201, Permits Required, revised 10/10/06; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Conditions A.4.**
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. **ICAPCD Rule 407, Nuisances, revised 09/14/99; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Conditions A.5; PTO 3964A-3, Conditions A.2 and D.3; PTO 1156A-2, Conditions A.5; PTO 2416B-3, Condition A.5; PTO 2864A-2, Condition 7; Condition A.5 {District Only}**
3. The Permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82. **40 CFR Part 82, Protection of Stratospheric Ozone.**
4. The Permittee shall submit to the ICAPCD a standard District application no earlier than 18 months and no later than 6 months before the expiration date of the current Title V Operating Permit. Permits to Operate for all emissions units at a stationary source shall undergo simultaneous renewal. **ICAPCD Rule 900.D.3.b, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11.**

II. Compliance with Permit Conditions

1. The Permittee shall comply with all permit conditions;
2. This permit does not convey property rights or exclusive privilege of any sort;
3. Noncompliance with any permit conditions is grounds for permit termination, revocation and reissuance, modification, enforcement action, or denial of permit renewal;
4. The Permittee shall not use the “need to hold or reduce a permitted activity in order to maintain compliance” as a defense for noncompliance with any permit

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conditions;

5. A pending permit action or notification of anticipated noncompliance does not stay any permit conditions;
6. Within a reasonable time period, The Permittee shall furnish any information requested by the air pollution control officer (APCO) of ICAPCD, in writing, for the purpose of determining: 1) compliance with the permit, 2) whether or not cause exists to modify, revoke and reissue, or terminate a permit or for an enforcement action. **ICAPCD Rule 900.F.2.k, Procedures for Issuing Permit to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Conditions A.1, A.2, A.3 and A.4; PTO 3964A-3, Conditions A.1, A.3 and A.5; PTO 1156A-2, Conditions A.1, A.2, A.3 and A.4; PTO Permit 2416B-3, Conditions A.1, A.2, A.3 and A.4; PTO Permit 2864A-2, Conditions 1, 2, 3 and 4.**

III. Emission Limits

A. Unit 2/Combined Cycle Unit

1. Gas turbine emissions shall not exceed the following emission limits.

Pollutant	Start-Up (1)	Natural Gas	No. 2 Diesel Fuel
Nitrogen Oxides	80 lbs/hr, 3 Hour Average	35 lbs/hr	53 lbs/hr
Sulfur Dioxide		2 lbs/hr	51 lbs/hr
PM-10		0.01 gr/scf @ 15% O ₂	0.01 gr/scf @ 15% O ₂
Volatile Organic Compounds		3 lbs/hr	4 lbs/hr
Carbon Monoxide	100 lbs/hr, 3 Hour Average	27 lbs/hr	27 lbs/hr

(1) Start-Up mode is any time the turbine has been inactive or is restarting from a turbine trip. Start-up limits above are based over a 3 consecutive hour average period of time.

ICAPCD Rule 207, New Source Review, revised 09/11/2018; Permit to Operate 2152C-4, Condition C.1; 40 CFR Part 60.333(a), Standards of Performance for Stationary Gas Turbines; ICAPCD Rule 403, General

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Limitations on the Discharge of Air Contaminants, revised 05/18/04; ICAPCD Rule 405, Sulfur Compounds Emission Standards, Limitations and Prohibitions, revised 05/18/04; ICAPCD Rule 400.1, Stationary Gas Turbine(s) – Reasonably Available Control Technology, Adopted 02/23/2010.

2. The Permittee shall not release or discharge into the atmosphere from any single source of emission, any air contaminant as dark or darker as designated as No. 1 on the Ringlemann Chart (20% opacity) for a period or periods aggregating more than three (3) minutes in any hour. **ICAPCD Rule 401.A.1, Opacity of Emissions, adopted 11/19/85; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Condition C.2.**
3. The Permittee shall not burn in the gas turbine natural gas which contains more than seventy-five hundredths (0.75) of a grain of total sulfur compounds per one hundred (100) standard cubic feet. **ICAPCD Rule 405, Sulfur Compounds Emission Standards, Limitations and Prohibitions, revised 05/18/04; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Condition C.4.**
4. The Permittee shall not discharge into the atmosphere from any single emission unit combustion contaminants exceeding in concentrations at the point of discharge 0.2 grains per dry cubic foot of gas, calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over 25 consecutive minutes. **ICAPCD Rule 403, General Limitations on the Discharge of Air Contaminants, revised 05/18/04.**
5. The sulfur content of No. 2 diesel fuel in the gas turbine shall not exceed 0.05% by weight. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Condition C.5; 40 CFR Part 60.333(b), Standards of Performance for Stationary Gas Turbines; and ICAPCD Rule 405, Sulfur Compounds Emission Standards, Limitations and Prohibitions, revised 05/18/04.**
6. The cooling tower water serving Unit 2 shall not exceed TDS concentration of 7,240 ppm during any single day. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Condition B.2.**
7. The cooling tower serving Unit 2 shall not emit PM emissions in excess of 0.61 lbs/hr. Daily cooling tower PM emissions shall be calculated quarterly as the product of the total dissolved solids (TDS) content of circulating cooling water, the maximum drift rate and the water circulated daily throughput each cooling tower. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4,**

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Condition B.3.

B. Unit 3/ Combined Cycle Unit

a) CTG/HRSG

1. The permitted equipment shall comply with the following emission limits under all operating scenarios, except during turbine startup, shutdown or maintenance periods.

- a. The nitrogen oxide emission concentration at each exhaust point shall not exceed 2.0 ppmv, on a dry basis, corrected to 15% O₂, averaged over any 1-hour period, and 4.22 pounds per hour, verified by CEMS. In any hour in which the hourly average O₂ concentration exceeds 19.0 percent O₂ (or the hourly average CO₂ concentration is less than 1.0 percent CO₂), a diluent cap value of 19.0 percent O₂ or 1.0 percent (as applicable) may be used in the emission calculations.
- b. The carbon monoxide emission concentration at each exhaust point shall not exceed 2.0 ppmv, on a dry basis, corrected to 15% O₂, averaged over any 1-hour period, and 2.57 pounds per hour, verified by CEMS.
- c. The Reactive Organic Compound emission concentration at each exhaust point shall not exceed 2.0 ppmv, on a dry basis, corrected to 15% O₂, averaged over any 1-hour period, and 1.48 pounds per hour, verified by an annual compliance test.
- d. Ammonia (NH₃) emission concentrations at each exhaust point shall not exceed 5 ppmv, on a dry basis, corrected to 15% O₂, averaged over any 1-hour period. The owner/operator shall verify, by continuous recording, the ammonia injection rate to the SCR Systems.
- e. Particulate matter (PM₁₀) mass emissions at each emission point shall not exceed 0.01 grains per dry standard cubic feet and 2.53 pounds per hour, verified by an annual compliance test.

ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition B.3; 40 CFR Part 60.4329(a), Standards of Performance for Stationary Gas Turbines.

2. The total daily startup event shall be limited to the following:

- a. 168 lbs/day VOC
- b. 2.61 lb/day SO_x
- c. 1600 lbs/day CO

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- d. 160 lbs/day NOx
- e. 6.82 lbs/day PM10

ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition B.6.

- 3. Maintenance emissions (emissions resulting from scheduled work on the units which require operations without abatement systems) shall be limited to the following:
 - a. 28.18 lbs/hr VOC
 - b. 1.14 lbs/hr SOx
 - c. 266.67 lbs/hr CO
 - d. 31.54 lbs/hr NOx
 - e. 2.53 lbs/hr PM10

ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition B.8.

- 4. Emissions from each of the CTG/HRSG system shall not exceed the following limits during any calendar year, including emissions generated during gas turbine start-ups and shutdowns:
 - a. 34.93 tons of NOx, (as NO2) per year;
 - b. 53.23 tons of CO per year;
 - c. 12.75 tons of ROC per year;
 - d. 7.22 tons of SO2 per year; and
 - e. 20.63 tons of PM10 per year (2.63 tons from cooling tower are not included).

ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition B.9.

- 5. The Permittee shall not release or discharge into the atmosphere from any single source of emission, any air contaminant as dark or darker as designated as No. 1 on the Ringlemann Chart (20% opacity) for a period or periods aggregating more than three (3) minutes in any hour. **ICAPCD Rule 401.A.3, Opacity of Emissions, adopted 11/19/85; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition A.6.**
- 6. The Permittee shall not discharge combustion contaminants from any boiler stack,

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in concentrations at the point of discharge of 0.01 grains per dry standard cubic foot of gas, calculated to 3 percent O₂. **ICAPCD Rule 403, General Limitations on the Discharge of Air Contaminants, revised 05/18/04.**

7. The Permittee shall not burn any gaseous fuel containing sulfur compounds in excess of 1 grains per 100 cubic feet of gaseous fuel, calculated as hydrogen sulfide at standard conditions. **ICAPCD Rule 405, Sulfur Compounds Emission Standards, Limitations and Prohibitions, revised 05/18/04; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition B.15.**
- b) Cooling Tower
8. The cooling tower flow rate shall be limited to 35,000 gpm. The cooling tower drift loss rate shall be limited to 0.0005%. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Conditions C.2 and C.3.**
- c) Emergency Standby Generator Set
9. The Permittee shall not release or discharge into the atmosphere from any single source of emission, any air contaminant as dark or darker as designated as No. 1 on the Ringlemann Chart (20% opacity) for a period or periods aggregating more than three (3) minutes in any hour. **ICAPCD Rule 401.A.3, Opacity of Emissions, adopted 11/19/85; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition D.2.**
10. The 2206bhp Caterpillar Model 3512C, diesel engine shall be limited to emit 21.46 lb/hr of NO_x, 12.63 lb/hr of CO and 0.73 lb/hr of PM. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition D.4.**
11. The 2206bhp Caterpillar Model 3512C diesel engine shall be limited to emit 0.15 g/bhp-hr (0.20 g/kw-hr) of PM. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition D.5.**

C. Unit 4 Steam Unit

1. Stack emissions shall not exceed the following emission limits.

Pollutant	Natural Gas	No. 6 Fuel Oil
Nitrogen Oxides	140 lbs/hr	140 lbs/hr

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Sulfur Dioxide	200 lbs/hr	200 lbs/hr
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ICAPCD Rule 400.2, Boilers, Process Heaters and Steam Generators, adopted 02/23/2010; ICAPCD Rule 405, Sulfur Compounds Emission Standards, Limitations and Prohibitions, revised 05/18/04; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 1156A-2, Condition B.1.

2. Stack shall not emit NOx in excess of the following emission limits, except during periods of startup, shutdown, or a change in load when bringing the combustion process up to operating levels.

Annual Capacity Factor \leq 30%	ppmv (15% O ₂)
Gaseous Fuel	70
Liquid Fuel	70

ICAPCD Rule 400.2, Boilers, Process Heaters and Steam Generators, adopted 02/23/2010; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 1156A-2, Condition B.6 and B.7.

3. The Permittee shall not release or discharge into the atmosphere from any single source of emission, any air contaminant as dark or darker as designated as No. 1 on the Ringlemann Chart (20% opacity) for a period or periods aggregating more than three (3) minutes in any hour. **ICAPCD Rule 401.A.1, Opacity of Emissions, adopted 11/19/85; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 1156A-2, Condition B.3.**
4. The Permittee shall not discharge combustion contaminants from any boiler stack, in concentrations at the point of discharge of 0.01 grains per dry standard cubic foot of gas, calculated to 3 percent O₂. **ICAPCD Rule 403, General Limitations on the Discharge of Air Contaminants, revised 05/18/04; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 1156A-2, Condition B.2.**
5. The Permittee shall not burn any gaseous fuel containing sulfur compounds in excess of 50 grains per 100 cubic feet of gaseous fuel, calculated as hydrogen sulfide at standard conditions or any liquid fuel having a sulfur content in excess of 0.5 percent by weight. **ICAPCD Rule 405, Sulfur Compounds Emission Standards, Limitations and Prohibitions, revised 05/18/04; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 1156A-2, Condition B.4.**

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6. The cooling tower serving Unit 4 shall not emit PM10 emissions in excess of 11.22 lbs/day. The cooling tower flow rate shall be limited to 41,000 gpm. The cooling tower drift loss rate shall be limited to 0.0005%. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Conditions C.1, C.2 and C.3.**

- D. Sandblasting Operation.
 - a) General Conditions
 1. Unless otherwise noted, any activity conducted at site shall not discharge into the atmosphere any visible air contaminant other than uncombined water vapor, for a period or periods aggregating more than three minutes in any one hour, which is 20% opacity or greater. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition A.8.**
 - b) Air Compressor
 1. The air compressor's engine shall not discharge into the atmosphere any visible air contaminant other than uncombined water vapor, for a period or periods aggregating more than three minutes in any one hour, which is 20% opacity or greater. **ICAPCD Rule 401.A.1, Opacity of Emissions, adopted 11/19/85; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition B.9.**
 - c) Confined Abrasive Blasting Operation
 1. Opacity of emissions from abrasive blasting structure shall not exceed 20% opacity, for a period or periods aggregating more than three minutes in any one hour. **ICAPCD Rule 401.A.1, Opacity of Emissions, adopted 11/19/85; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition C.12.**
 2. Opacity of emissions from the sandblasting booth's exhaust shall not exceed 10% opacity, for a period or periods aggregating more than three minutes in any one hour. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition C.13.**
 - d) Unconfined Abrasive Blasting Operation
 1. The unconfined portable sandblaster shall not discharge into the atmosphere any visible air contaminant, for a period or periods aggregating more than three

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minutes in any one hour, which is as dark or darker in shade as that designed as No. 2 of the Ringlemann Chart. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition D.18.**

E. Emergency Fire Pump

1. The emergency fire pump's engine shall be limited to emit 4.31 lb/hr of nitrogen oxides, 0.93 lb/hr of carbon monoxide and 0.31 lb/hr of PM. **ICAPCD Rule 400.3, Internal Combustion Engine(s), adopted 10/22/13; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2864A-2, Condition 8.**
2. The emergency fire pump's engine shall not discharge into the atmosphere any visible air contaminant other than uncombined water vapor, for a period or periods aggregating more than three minutes in any one hour, which is 20% opacity or greater. **ICAPCD Rule 401.A.1, Opacity of Emissions, adopted 11/19/85; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2864A-2, Condition 6.**
3. The Permittee shall not release into the atmosphere from any single source of emission, sulfur compounds, calculated as sulphur dioxide (SO₂) in excess of 0.2 percent by volume, measured at the point of discharge. **ICAPCD Rule 405.B.1.a and 405.B.2.a.3, Sulfur Compounds Emission Standards, Limitations and Prohibitions, revised 05/18/04.**
4. The Permittee shall not burn any liquid fuel having a sulfur content in excess of 0.5 percent by weight. **ICAPCD Rule 405, Sulfur Compounds Emission Standards, Limitations and Prohibitions, revised 05/18/04.**
5. The Permittee shall not discharge into the atmosphere from any single emission unit combustion contaminants exceeding in concentrations at the point of discharge 0.2 grains per dry cubic foot of gas, calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over 25 consecutive minutes. **ICAPCD Rule 403.3 and 403.5, General Limitations on the Discharge of Air Contaminants, revised 05/18/04.**

IV. Operational Limits

A. Unit 2/Combined Cycle Unit

1. The gas turbine shall be limited to burn No. 2 diesel as secondary fuel, only during the months of April 1 through September 30, and only to a maximum of 720 hours

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in any calendar year. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Condition C.6.**

2. The PM10 emission limit does not apply during periods of start-up or shutdown and during changes in load when bringing the combustion process up to operating levels. Each start-up or shutdown period shall not exceed three hours. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Condition C.1.**
3. The Permittee shall control PM and PM10 emissions from the cooling tower serving Unit 2 by installing drift eliminators that comply with the drift rate of 0.0005 percent. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Condition B.1.**

B. Unit 3/ Combined Cycle Unit

a) CTG/HRSG

1. The CTGs yearly operations shall be limited to the following:
 - a. Up to 16,166 hours of normal operation, including up to 6,000 hours of normal operation with duct firing,
 - b. up to 47.6 hours of maintenance,
 - c. up to 205 hours of total startups, including up to 189 hours of cold start ups, and
 - d. up to 12.5 hours of shut downs.

ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Conditions B.1.

2. The Selective Catalytic Reduction (SCR) and Oxidation Catalyst Systems shall be operated and properly maintained whenever fuel is combusted except during turbine startup/shutdowns and maintenance events. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Conditions B.2.**
3. Each cold startup event (the period beginning with combustion turbine ignition and lasting until the equipment has reached a continuous operating level and is generating emissions within “normal operating” levels) shall be restricted to a total of 90 minutes in duration. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Conditions B.4.**

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4. Each hot startup event (a “startup” event occurring within 8 hours from when the unit last operated under “normal operating” levels) shall be restricted to a total of 40 minutes in duration. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Conditions B.5.**
5. The total daily startup events shall be limited to a total of 6 events including no more than 4 cold startups, 360 minutes. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Conditions B.6.**
6. Each shutdown event (the period beginning with the initiation of combustion turbine shutdown sequence and emissions exceeding “normal operating” levels, and lasting until fuel flow is completely off and combustion has ceased) shall be restricted to a total of 5 minutes in duration. Total shutdown events are limited to 150 events or 12.5 hours. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Conditions B.7.**
7. Maintenance emissions (emissions resulting from scheduled work on the units which require operations without abatement systems) shall be limited to a total of 47.6 hours per year. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Conditions B.8.**
8. The Permittee shall operate and maintain the stationary combustion turbines, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction. **40 CFR Part 60.4333(a), Standards of Performance for Stationary Gas Turbines.**
9. Prior to the issuance of the Permit to Operate #3964A for the El Centro Repower Project, the Permittee shall provide to the ICAPCD valid emission reduction credit (ERC) banking certificates in the amount of 0.61 tons/year PM10 and 43.98 tons/year of Sulfur Oxides. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Conditions B.14.**
- b) Cooling Tower
10. Cooling tower water shall be limited to 8 recirculation cycles. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Conditions C.1.**
- c) Emergency Standby Generator Set

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11. Operation of the generator other than for the purposes of maintenance and testing shall be limited to exclusively providing backup power, and in each instance, documented to the satisfaction of the APCD. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Conditions D.1.**
12. An hour meter, with a minimum display capability of 9,999 hours, shall be installed and maintained in proper working condition at all time. **ICAPCD Rule 400.3, Internal Combustion Engine(s), adopted 10/22/13; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Conditions D.7.**
13. The diesel engine shall be fueled only with one or a combination of the following:
 - a) CARB diesel fuel; or
 - b) an alternative diesel fuel, such as biodiesel or a biodiesel blend that does meet the definition of CARB diesel fuel; or
 - c) any alternative diesel fuel that meets the requirements of the Verification Procedure; or
 - d) CARB diesel fuel used with fuel additives that meets the requirements of the Verification Procedure.

ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Conditions D.8.
14. The emergency electric power generator shall be restricted to operate a total of 50 (fifty) hours per year for maintenance and testing purposes. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Conditions D.6.**

C. Unit 4 Steam Unit

1. Unit 4 shall not exceed the total annual fuel usage rate of 2,180,714.4 MMBtu per year. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 1156A-2, Condition B.5.**
2. The combustion contaminants limits for this boiler does not apply during periods of start-up or shut down and during changes in load when bringing the combustion process up to operating levels. Each start-up or shut down period shall not exceed eight hours. **ICAPCD Rule 403, General Limitations on the Discharge of Air Contaminants, revised 05/18/04; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 1156A-2, Condition B.2.**
3. The NO_x concentration (ppmv) limits for this boiler does not apply during periods of

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start-up or shut down and during changes in load when bringing the combustion process up to operating levels. Each start-up or shut down period shall not exceed twelve hours. **ICAPCD Rule 400.2, Boilers, Process Heaters and Steam Generators, adopted 02/23/2010; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 1156A-2, Condition B.7.**

4. The permittee shall maintain the cooling tower Drift Eliminators in good working order at all times to ensure that the equipment performs in accordance with the manufacturer specifications in regards to drift loss. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 1156A-2, Condition C.4.**
- D. Portable Sandblaster.
- a) General Conditions
 1. The portable sandblasting and coating operations shall only be operated at this address (485 E. Villa Road, El Centro, CA). **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition A.6.**
 2. The permittee shall not exceed the abrasive consumption rate of 7200lbs per day for blasting operation. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition A.7.**
 - b) Air Compressor
 1. The air compressor's engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours. The hour-meter shall be maintained in proper working conditions. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition B.10.**
 - b) Confined Abrasive Blasting Operation
 1. All confined sand blasting operations shall be conducted inside the booth, with the booth dust collector in operation at all times. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition C.11.**
 2. Dust collected by the dust collector must be discharged only into closed containers. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition C.14.**
 3. The sandblasting booth should be used at all times, except for times when treated

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equipment is too large to fit in the booth, only then shall outdoor abrasive blasting be permitted. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition C.15.**

4. The Permittee shall maintain the abrasive blasting booth and the dust collection system in good working order at all times. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition C.16.**

c) Unconfined Abrasive Blasting Operation

1. The Permittee shall use the certified abrasive materials only once and shall not be considered for reuse. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition D.19.**

2. The Permittee shall use only the certified abrasives listed on Air Resources Board's Executive Order for dry outdoor blasting. The current list shall be updated every year. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition D.20.**

E. Emergency Fire Pump

1. Operation of the emergency fire pump other than for the purposes of maintenance and testing shall be limited to emergency events. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2864A-2, Condition 5.**

2. The Permittee shall install an operating hour meter on the emergency fire pump's engine with a minimum display capability of 9,999 hours. The hour meter shall be maintained in proper working conditions. **ICAPCD Rule 400.3, Internal Combustion Engine(s), adopted 10/22/13; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2864A-2, Condition 10.**

3. For the purpose of a compliance determination, it shall demonstrate compliance using the following:

- a) For diesel fueled engines, off-road engine certification data for the stationary diesel-fueled engine, or
- b) Engine manufacturer test data, or
- c) Engine emission compliance source test.

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ICAPCD Rule 400.3, Internal Combustion Engine(s), adopted 10/22/13; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2864A-2, Condition 9.

4. The emergency fire pump's engine shall be fueled only with one or a combination of the following:
 - a) CARB diesel fuel; or
 - b) An alternative diesel fuel, such as biodiesel or a biodiesel blend that does meet the definition of CARB diesel fuel; or
 - c) Any alternative diesel fuel that meet the requirements of the Verification Procedure; or
 - d) CARB diesel fuel used with fuel additives that meet the requirements of the Verification Procedure.

ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2864A-2, Condition 12.

5. The emergency fire pump shall be restricted to operate a total of 30 hours per year for maintenance and testing purposes. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2864A-2, Condition 11.**

V. Monitoring, Testing, and Analysis

A. Unit 2 Combined Cycle Unit

1. The Permittee shall install on the turbine stack, a continuous emission monitor (CEM). The CEM system shall measure stack gas NO_x, CO and O₂. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Condition D.1.**
2. The Permittee shall source test the turbine stacks annually for the primary fuel and at such other times as may be required by the District under section 114 of the Clean Air Act.
3. Additionally, the Permittee shall source test the turbine stack once every three calendar years for secondary fuel (No. 2 diesel fuel). The frequency of compliance testing may be extended to not less than every five years for secondary fuel (No. 2 diesel fuel) testing of the turbine stack, provided that records demonstrate that Unit 2 operates less than 100 hours per 12 month period and emits less than 5 tons of NO_x NO. 2 diesel as secondary fuel. The frequency of testing may be further extended for NO. 2 diesel as secondary fuel if the permittee

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can prove No. 2 diesel secondary fuel has not been fired. The permittee shall submit approved source test protocol at least 30 days before commencing stack testing. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Conditions D.2, D.3, D.4, and D.6; 40 CFR Part 60.8; ICAPCD Rule 400.1, Stationary Gas Turbine(s) – Reasonably Available Control Technology, Adopted 02/23/2010; ICAPCD Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11.**

3. The Permittee shall conduct compliance source testing in accordance with approved EPA Test Methods: Method 20 or 7e for NO_x, Method 10 for CO, Method 3A for CO₂/O₂, Method 1-2 for flow, Method 6 for SO₂, Method 18 for VOC's, and Method 5 front half for particulate and PM₁₀ (assuming all particulate is PM₁₀). Said Method(s) may be modified if a more accurate or appropriate method has been promulgated either by U.S.EPA or CARB. SO₂ may be determined by calculations based on sulfur content of fuel(s). The stack concentrations and emission rates shall be measured, corrected to and calculated for the following:

- a. Nitrogen Oxides: ppm at 15% O₂, dry and lb/hr
- b. Carbon Monoxide: ppm at 15% O₂, dry and lb/hr
- c. PM-10: gr/scf at 15% O₂, lb/hr (only when liquid fuels are burned)
- d. SO₂ by calculations, lb/hr
- e. VOCs: lb/hr

and the following process parameters:

- f. Natural gas and fuel oil consumption.
- g. Electricity generated during the test.
- h. Ammonia injection in a mole ratio (NH₃/NO_x), and mass emissions (lb/hr).
- i. Steam injection lb/hr/MW-hr. **ICAPCD Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11; ICAPCD Rule 400.1, Stationary Gas Turbine(s) – Reasonably Available Control Technology, Adopted 02/23/2010; ICAPCD Rule 207, New Source**

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Review, revised 09/11/2018; PTO 2152C-4, Condition D.5; 40 CFR Part 60.335, Standards of Performance for Stationary Gas Turbines.

4. The APCD may at any reasonable time take samples of fuels and stack emissions for independent testing. The cost of such testing shall be borne by the Permittee. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Condition D.7.**
5. Monitoring of fuel nitrogen content shall not be required while natural gas is fired in the gas turbine. **40 CFR Part 60.334, Standards of Performance for Stationary Gas Turbines.**
6. The Permittee shall maintain records of sulfur content of the natural gas being fired in the turbine as specified in 40 CFR 60.334(h) to demonstrate compliance with the sulfur content emission limit under 40 CFR 60.333. This gas turbine shall be fired on pipeline quality natural gas only. The permittee shall maintain annual records of sulfur content specifying that the maximum total sulfur content fuel is 20.0 grains/100 scf or less. **40 CFR Part 60.334 (h)(3)(i), Standards of Performance for Stationary Gas Turbines.**
7. The Permittee shall monitor sulfur content and nitrogen content of the No. 2 Diesel fuel being fired in the turbine. The Permittee shall develop custom schedules for determination of sulfur content in the fuel based on the design and operation of the facility and the characteristics of the fuel supply. The frequency of determining the sulfur and nitrogen content of the fuel shall be as specified in 40 CFR 60.334(i)(1). **40 CFR Part 60.334(h), Standards of Performance for Stationary Gas Turbines.**
8. Analysis of fuel sulfur content of No.2 Diesel fuel shall be conducted using ASTM D129-00, D2622-98, D4294-02, D1266-98, D5453-00 or D1552-01 (all of which are incorporated by reference), or other approved alternative method. **40 CFR Part 60.335(b), Standards of Performance for Stationary Gas Turbines.**
9. The circulating water at the cooling tower serving Unit 2 shall be sampled and tested for total dissolved solids (TDS) quarterly. The circulating cooling tower water rate for each cooling tower cells shall be calculated from the cooling tower pump performance curve(s). **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Condition B.3.**

B. Unit 3/Combined Cycle Unit

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a) CTG/HRSG

1. NO_x, CO, and oxygen emissions shall be monitored using a Continuous Emissions Monitoring System (CEMS). The Permittee shall install, calibrate, maintain, and operate these monitoring systems according to ARB/USEPA monitoring plans and they shall be installed prior to initial equipment startup. **ICAPCD Rule 110, Stack Monitoring, revised 09/14/99; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition B.10; 40 CFR Part 60.4340(b), Standards of Performance for Stationary Gas Turbines. ICAPCD Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11.**
2. The permittee shall calculate and record (CEMS) the following data, as specified below:
 - a. Total Heat Input Rate for every clock hour and the average hourly Heat Input Rate.
 - b. Daily, cumulative total Heat Input Rate.
 - c. The average NO_x mass emissions (as NO₂), & CO mass emissions (lbs), and NO_x and CO corrected to 15% O₂ emission concentrations (ppm) for every clock hour.
 - d. On an hourly basis, the cumulative total NO_x, mass emissions (as NO₂) and the cumulative total CO mass emissions, for each calendar day.

ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition B.11; ICAPCD Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11.

3. A source test shall be conducted to determine the SCR system ammonia injection rate and the corresponding NH₃ emission concentration. This source test shall be performed over the expected turbine operating range (including, but not limited to minimum, 70%, 85%, and 100% load) to establish the range of ammonia injection rate necessary to achieve NO_x emission reductions while maintaining ammonia slip levels. NH₃ emissions shown to be in excess of the level specified in this permit shall not be considered a violation. Alternate methods of estimating NH₃ emissions may be implemented upon approval of the APCO. The ICAPCD may at any time take samples of fuels and stack emissions for independent testing. The cost of such testing shall be borne by the Permittee. **ICAPCD Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to**

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Title V of the Federal CAA Amendments of 1990, revised 12/20/11; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition B.12.

4. Within 120 days after start of operations and on an annual basis thereafter, the owner/operator shall conduct a source test while the Combustion Turbine Generator is operating at minimum of 90% of power rating to determine compliance with permit limits and to verify the accuracy of the continuous emission monitor measurements. If the permittee demonstrates to the satisfaction of the APCO that the Stationary Gas Turbine cannot operate at these conditions, then emissions source testing shall be performed at the highest achievable continuous power rating. The Permittee shall submit approved source test protocol at least 30 days before commencing stack testing. The Permittee shall test for (as a minimum): moisture content and oxygen concentration, stack gas flow rate, reactive organic compounds concentration and mass emissions, nitrogen oxide concentration and mass emissions (as NO₂), carbon monoxide concentration and mass emissions, sulfur dioxide concentration and mass emissions, and particulate matter (PM₁₀) emissions including condensable particulate matter. **ICAPCD Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition B.13.**
5. The continuous emissions monitoring system shall be installed, calibrated, maintained and operated according to the following sections:
 - a. The continuous emission monitoring system shall meet the standards of 40 CFR Part 60.45.
 - b. Calibration gas mixtures shall meet the specifications in 40 CFR Part 51, Appendix P, Section 3.3 and Part 60, Appendix B, Performance Specification 2, Section 2.1.
 - c. Cycling times shall be those specified in 40 CFR Part 60, Appendix P, Sections 3.4, 3.4.1 and 3.4.2.
 - d. The continuous NO_x monitoring system shall meet the applicable performance specifications requirements in 40 CFR Part 51, Appendix P, Part 60, Appendix B.
 - f. The continuous O₂ monitoring system shall meet the performance

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specifications requirements in 40 CFR Part 51, Appendix P, and Part 60, Appendix B.

ICAPCD Rule 110, Stack Monitoring, revised 09/14/99; ICAPCD Rule 207, New Source Review, revised 09/11/2018.

6. The Permittee shall monitor sulfur content of the natural gas being fired in the turbine as specified in 40 CFR 60.4370(b) to demonstrate compliance with the sulfur content emission limit under 40 CFR 60.4330(a). This gas turbine shall be fired on pipeline quality natural gas only. The permittee shall maintain annual records of sulfur content specifying that the maximum total sulfur content fuel is 20.0 grains/100 scf or less. **40 CFR Part 60.4365(a), Standards of Performance for Stationary Gas Turbines.**
- b) Emergency Standby Generator Set
7. Permittee shall demonstrate compliance through emission compliance testing not less than once every 36 months. All emission rates shall be based on an hourly average. The frequency of compliance testing may be extended to not less than every 60 months if the unit operates less than 500 hours per 12 month period (as demonstrated by operational logs) and which emit less than 5 tons of NOx per 12 month period. **ICAPCD Rule 400.3, Internal Combustion Engine(s), adopted 10/22/13; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition D.9.**
8. For the purpose of a compliance determination based on source testing, the NOx emissions concentration shall be calculated as an average of three test runs, sixty (60) minutes in duration each, at no less than eighty percent (80%) of the power rating. If the permittee demonstrates to the satisfaction of the APCO that the equipment is not able to operate at these conditions, the emissions source test shall be performed at the highest achievable continuous power rating. Permittee may use other approved method. **ICAPCD Rule 400.3, Internal Combustion Engine(s), adopted 10/22/13; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition D.10.**
9. Compliance with the emissions requirements shall be determined in accordance with the following test procedures or any other method approved by the United States Environmental Protection Agency (US EPA) and/or the California Air Resources Board (CARB).

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- a) NOx emissions for compliance source tests shall be determined by using CARB Method 100 or US EPA Method 7E.
- b) Oxygen content for compliance source tests shall be determined by using CARB Method 100 or US EPA Method 3A.
- c) Carbon monoxide emissions for compliance source tests shall be determined by using CARB Method 100 or US EPA Method 10.

ICAPCD Rule 400.3, Internal Combustion Engine(s), adopted 10/22/13; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition D.11.

10. Permittee shall submit a source test plan to the APCO at least 30 days prior to the scheduled source test date, and at least seven days prior to the source test, the Permittee shall notify the APCO of the exact date and time of the source test. A final source test result shall be submitted to the APCO within 30 days following the actual source test date. **ICAPCD Rule 400.3, Internal Combustion Engine(s), adopted 10/22/13; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition D.12.**
11. Permittee shall maintain an engine operating log with the unit, for each month or any part of a month that the device is operated that includes the following:
 - a) Engine(s) manufacturer name and model number, brake horsepower output rating, combustion method (i.e. Rich or Lean Burn or diesel);
 - b) Manual of recommended maintenance as provided by the engine(s) manufacturer or other maintenance procedure as approved in writing by the Air Pollution Control Officer (APCO);
 - c) Record of routine engine(s) maintenance, including date(s) and type of maintenance performed;
 - d) Total recorded hours of operation;
 - e) Type of fuel combusted.

ICAPCD Rule 400.3, Internal Combustion Engine(s), adopted 10/22/13; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition D.13.

C. Unit 4 Steam Unit

1. The Permittee shall source test the turbine stacks annually for the primary fuel and at such other times as may be required by the District under section 114 of the Clean Air Act. Additionally, the Permittee shall source test the turbine stack once

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every three calendar years for each secondary fuel (No. 6 fuel oil). The frequency of compliance testing may be extended to not less than every five years for each secondary fuel (No. 6 fuel oil) testing of the turbine stack, provided that records demonstrate that Unit 4 operates less than 100 hours per 12 month period and emits less than 5 tons of NO_x under each secondary fuel. The frequency of testing may be further extended for the secondary fuel if the permittee can prove a particular secondary fuel has not been fired. The permittee shall submit approved source test protocol at least 30 days before commencing stack testing. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 1156A-2, Condition D.1, D.2, D.3 and D.5; ICAPCD Rule 400.2, Boilers, Process Heaters and Steam Generators, Adopted 02/23/2010; and ICAPCD Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11.**

2. The Permittee shall conduct source test in accordance with EPA Method 7e for NO_x, EPA Method 3A for CO₂/O₂, EPA 5 front half for particulate and PM10 (assuming all particulate is PM10). Said method(s) may be modified if a more accurate or appropriate method has been promulgated either by USEPA or CARB. SO₂ may be determined by calculations based on sulfur content of fuel(s). The stack concentrations and emission rates shall be measured, corrected to and calculated for the following:

- a. Nitrogen Oxides: ppm at 3% O₂ dry and lb/hr.
- b. PM-10: gr/scf at 3% O₂ and lb/hr.

and the following process parameters:

- c. Natural gas and fuel oil consumption.
- d. Electricity generated during the test.

ICAPCD Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11; ICAPCD Rule 400.2, Boilers, Process Heaters and Steam Generators, Adopted 02/23/2010; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 1156A-2, Condition D.4.

3. The APCD may at any reasonable time take samples of fuels and stack emissions for independent testing. The cost of such testing shall be borne by the Permittee. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 1156A-2,**

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Condition D.6.

4. The Permittee shall provide, properly install, and maintain in good working order, a continuous monitoring system for oxides of nitrogen (NO_x), sulfur dioxide (SO₂), and carbon dioxide (CO₂) or oxygen (O₂). **ICAPCD Rule 110, Stack Monitoring, revised 09/14/99; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 1156A-2, Condition D.7.**
5. The District shall inspect, as it determines to be necessary, the monitoring devices to ensure that such devices are functioning properly. **ICAPCD Rule 110, Stack Monitoring, revised 09/14/99; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 1156A-2, Condition D.8.**
6. The continuous emissions monitoring system shall be installed, calibrated, maintained and operated according to the following sections:
 - a. The continuous emission monitoring system shall meet the standards of 40 CFR Part 60.45.
 - b. Calibration gas mixtures shall meet the specifications in 40 CFR Part 51, Appendix P, Section 3.3 and Part 60, Appendix B, Performance Specification 2, Section 2.1.
 - c. Cycling times shall be those specified in 40 CFR Part 60, Appendix P, Sections 3.4, 3.4.1 and 3.4.2.
 - d. The continuous NO_x monitoring system shall meet the applicable performance specifications requirements in 40 CFR Part 51, Appendix P, Part 60, Appendix B.
 - e. The continuous CO₂ and O₂ monitoring system shall meet the performance specifications requirements in 40 CFR Part 51, Appendix P, and Part 60, Appendix B.

ICAPCD Rule 110, Stack Monitoring, revised 09/14/99; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 1156A-2, Condition D.9.

D. General Conditions.

1. The Permittee shall maintain a California Air Resources Board (CARB) certified opacity observer. The CARB-certified opacity observer shall conduct visible

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emission evaluations for the turbines and boilers stacks. Visible emission evaluation shall be conducted using EPA Method 9 for 6 minutes during daylight hours. Visible emission evaluations shall be conducted annually for the turbine and boilers stacks when firing natural gas and daily when firing fuel oil. **ICAPCD Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Conditions A.6 and C.3; PTO 1156A-2, Condition A.6.**

2. The unconfined portable sandblaster engine and emergency fire pump may demonstrate compliance with the SO₂ limit by calculations based on sulfur content of fuel(s). **ICAPCD Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11.**
3. Greenhouse gas emissions inventories shall be compiled and reported in accordance with applicable state and federal regulations. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition B.16.**

VI. Recordkeeping Requirements

A. Unit 2 Combined Cycle Unit

1. Records of fuel supply pertinent to the for Unit 2 shall be retained for a period of five years, and be available for inspection by authorized EPA personnel. **40 CFR 60.334, Standards of Performance for Stationary Gas Turbines.**
2. Permittee shall maintain an operating log and record actual times and duration of all startups, shutdowns and fuel changes, and the type and quantity of each fuel used. **ICAPCD Rule 400.1, Stationary Gas Turbine(s) – Reasonably Available Control Technology, Adopted 02/23/2010.**

B. Unit 3 Combined Cycle Unit

1. The Permittee shall maintain all records and reports on site for a minimum of 5 years. These records shall include but are not limited to: continuous monitoring records (cold startup, hot startup, and maintenance (uncontrolled) logs; firing hours, fuel flows, emission rates, monitor excesses, breakdowns, etc.), source test and analytical records, natural gas sulfur content analysis results, emission calculation records, records of plant upsets and related incidents. The Permittee shall make all records and reports available to ICAPCD staff upon request.

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ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition E.1.

2. Records of cooling tower water recirculation cycles and TDS concentrations shall be kept up to date and available to the ICAPCD. **ICAPCD Rule 207, New Source Review, adopted prior to 03/17/80; PTO 3964A-3, Condition E.5.**

C. Abrasive Blasting Operation

1. The Permittee shall maintain a log on the premises indicating the hours of operation and routine repair for the air compressor unit. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition E.24.**
2. The Permittee shall maintain adequate records to verify daily abrasive usage and be available for inspection by the ICAPCD staff. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition E.22.**
3. The permittee shall maintain records, invoices, labels, and other related information to verify compliance with the CARB's Executive Order for Abrasives. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Conditions C.17 and D.21.**

C. Emergency Fire Pump

1. Permittee shall maintain an engine operating log with the unit, for each month or any part of a month that the device is operated that includes the following:
 - a) Engine(s) manufacturer name and model number, brake horsepower output rating, combustion method (i.e. Rich or Lean Burn or diesel).
 - b) Manual of recommended maintenance as provided by the engine(s) manufacturer or other maintenance procedure as approved in writing by the Air Pollution Control Officer (APCO).
 - c) Record of routine engine(s) maintenance, including date(s) and type of maintenance performed.
 - d) Total recorded hours of operation
 - e) Type of fuel combusted.

ICAPCD Rule 400.3, Internal Combustion Engine(s), adopted 10/22/13; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2864A-2, Condition 13.

D. General Conditions

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1. The Permittee shall maintain records of all visible emission evaluations conducted pursuant to V.D.1. Records shall contain the following information: a) date and time of inspection, and name of the facility's inspector; b) stack or emission point identification; c) visible emission observation record by a certified opacity observer; d) name of person performing the inspection, measurement, or monitoring. **ICAPCD Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11.**
2. Records of all monitoring and support information shall include the following: 1) date, place, and time of measurement or maintenance activity; 2) operating conditions at the time of measurement or maintenance activity; 3) date, place, name or company or entity that performed the measurement or maintenance activity and the methods used; and 4) results of the measurement or maintenance. **ICAPCD Rule 900.F.2.f, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11.**
3. Records of all required monitoring data and support information shall be retained for at least five years from date of initial entry. **ICAPCD Rule 900.F.2.f, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2864A-2, Condition 14; PTO 2416B-3, Condition E.22.**

VII. Reporting Requirements

1. The Permittee shall submit a written quarterly report, or at any time upon APCD request, for Units 2, 3 and 4 performance. The report shall include the emissions recorded by the CEMs, sulfur content of fuel and fuel consumption rates, and any other information relating to air emissions. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Condition E.1; PTO 1156A-2, Condition E.1.**
2. The Permittee shall submit to the ICAPCD an annual report by the end of February of each preceding operating year. This report shall include the following items:
 - a. For each turbine and boiler: the monthly hours of operation for each turbine and boiler.

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- b. For each turbine and boiler: the monthly fuel consumption for each turbine and boiler.
- c. For each turbine an annual Certification letter from natural gas supplier showing sulfur content of natural gas use in grains/100 SCF,

Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Condition E.2; PTO 1156A-2, Condition E.2.

- 3. The Permittee shall submit to the ICAPCD an annual report for Units 3 performance by the end of February of each operating year. This report shall include the following items for the preceding year:
 - a. CTGs monthly hours of operation without duct firing.
 - b. CTGs monthly hours of operation with duct firing.
 - c. Monthly fuel consumption.
 - d. Annual Certification letter from natural gas supplier showing Sulfur content of natural gas use in grains/100 SCF.
 - e. Date, duration and total number of (cold and hot) startups and shutdowns.
 - f. Date, duration, and type of maintenance performed (for condition B.7 compliance)
 - g. Total annual emissions from CTGs.
 - h. Permittee shall submit to the APCD an annual report containing the monthly fuel consumption and hours operated per day/month for maintenance/testing and or emergency use for the emergency generator set unit.

Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition E.4.

- 4. The Permittee shall submit a quarterly report on the continuous emissions monitoring systems to the District for Units 2, 3 and 4 performances. The report shall be submitted to the District by the 30th day following the end of the calendar quarter and shall include:
 - a. The time intervals, date and magnitude of excess emissions; nature and cause of the excess (if known), corrective actions taken and preventive

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measure adapted.

- b. The averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard for the pollutant in question.
- c. Time and date of each period during which the continuous emissions monitoring system was inoperative except for zero and span checks and the nature of system repairs and adjustments.
- d. A negative declaration when no excess emissions occurred.
- f. A summary of actual monthly emissions from the continuous emissions monitoring system, reported in both lbs/hr and ppm.

ICAPCD Rule 110, Stack Monitoring, revised 09/14/99; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition E.3.

- 5. The Permittee shall furnish the District written results of the source tests conducted within thirty (30) days of the test completion. **40 CFR Part 70.6(a)(3)(i), ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Condition E.3; PTO 3964A-3, Condition E.6; PTO 1156A-2, Condition E.3.**
- 6. A violation of emission standards as shown by the stack-monitoring systems, shall be reported to the District within 96 hours. **ICAPCD Rule 110, Stack Monitoring, revised 09/14/99.**
- 7. In the event of a breakdown of monitoring equipment, the operator shall notify the District within 48 hours and shall initiate repairs. The operator shall inform the District the intent of shutting down any monitoring equipment at least 24 hours prior to the event. **ICAPCD Rule 110, Stack Monitoring, revised 09/14/99.**
- 8. The Permittee shall submit an annual report containing monthly fuel consumed and hours operated per month for the diesel fueled engines. The annual report shall be submitted to the District by the end of February of each preceding operating year. **ICAPCD Rule 207, New Source Review, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition E.25; PTO 2864A-2, Condition 15.**
- 9. The Permittee shall submit to the ICAPCD an annual report containing the monthly abrasive materials consumption, including the total pounds and brand name of

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abrasives used during the preceding calendar year. The report shall reach the ICAPCD by the end of February of each preceding operating year. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2416B-3, Condition E.23.**

10. The Permittee shall report any deviation from requirements in this Title V Operating Permit, other than deviations reported to the District pursuant to the District Upset/ Breakdown rule, to the APCO within 2 days of occurrence. The Permittee shall use District approved forms to report any deviations. **ICAPCD Rule 900.F.2.g, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11.**
11. The Permittee shall submit a written monitoring report to the APCD every six months. The report shall identify any deviations from permit requirements, including those previously reported to the APCO. The Permittee shall submit one report postmarked by January 30 of each year that covers the period from July 1 through December 31 of the previous calendar year, and one report postmarked by July 30 that covers the period from January 1 through June 30 of each calendar year. All reports of a deviation from permit requirements shall include the probable cause of the deviation and any preventive or corrective action taken. The Permittee shall use District's approved forms for the report regarding deviation from permit requirements and shall also include a written statement from the responsible official which certifies the truth, accuracy, and completeness of the report. When no deviations have occurred during the reporting period, such information shall be stated in the report. **ICAPCD Rule 900.F.2.g, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11.**
12. The Permittee shall report any daily period during which the sulfur content of fuel being fired in Unit No. 2 exceeds 0.8 percent. **40 CFR Part 60.334(c)(2), Standards of Performance for Stationary Gas Turbines.**
13. Greenhouse gas verification for Unit 3: Any greenhouse gas emissions that are reported by the Permittee to the California Climate Action Registry or pursuant to this condition shall be reported to the Imperial County Air Pollution Control District as part of the annual Air Quality Report. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition B.16.**

VIII. Emergency Provisions

1. The Permittee shall notify the ICAPCD of any upset conditions, breakdown or scheduled maintenance which cause a violation of emission limitations prescribed

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- by District Rules and Regulations, or by State law. The District shall be notified as soon as reasonably possible but not later than two (2) hours after its detection. The completion of corrective measures or the shutdown of emitting equipment is required within 24 hours of occurrence of a breakdown condition. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Conditions E.4 and F.1; PTO 3964A-3, Condition F.1; PTO 1156A-2, Condition E.4 and Condition F.1.**
2. The Permittee shall submit a written report to the APCO within ten days after a breakdown occurrence has been corrected. This report shall include: a) a statement that the occurrence has been corrected, together with the date of correction and proof of compliance; b) the reason(s) or cause(s) of the occurrence; c) a description of the corrective measures undertaken; and d) the type of emission and estimated quantity of the emissions caused by the occurrence. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Condition F.2; PTO 3964A-3, Condition E.2; PTO 1156A-2, Condition F.2.**
 3. Within two weeks of an emergency event, the operator shall submit to the District a properly signed, contemporaneous log or other relevant evidence which demonstrates that: a) an emergency occurred; b) the Permittee can identify the cause(s) of the emergency; c) the facility was being properly operated at the time of the emergency; d) all steps were taken to minimize the emissions resulting from the emergency; and e) within two working days of the emergency event, the Permittee provided the District with a description of the emergency and any mitigation or corrective actions taken. **ICAPCD Rule 900.F.2.I, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11.**
 4. In any enforcement proceeding, the Permittee has the burden of proof for establishing that an emergency occurred. **ICAPCD Rule 900.F.2.I, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition E.3.**
 5. A violation of emission standards as shown by the stack-monitoring systems in Unit 3 shall be reported to the ICAPCD within 96 hours. **ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 3964A-3, Condition E.2.**

IX. Compliance

1. Compliance Certification

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The Permittee shall submit compliance certification reports to the U.S.EPA, Director, Air Division, 75 Hawthorne Street, AIR-3, San Francisco, CA 94105 and the APCO every 12 months. These reports shall be postmarked by February 28 of each year and that covers the previous calendar year. The reports shall include the following requirements: a) identify the basis for each permit term or condition and a means of monitoring compliance with the term or condition; b) the compliance status and method(s) used to determine compliance for the current time period and over the entire reporting period, including whether compliance during the period was continuous or intermittent; and c) any additional inspection, monitoring, or entry requirement that may be promulgated pursuant to sections 114(a) and 504(b) of the CAA. The Permittee shall use District approved forms for the compliance certification and shall also include a written statement from the responsible official which certifies the truth, accuracy, and completeness of the report. **ICAPCD Rule 900.F.2.n, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11.**

X. Acid Rain Requirements

1. In accordance with the provisions of Title IV of the Clean Air Act and 40 CFR Parts 72 through 77, this Acid Rain Permit is issued to Imperial Irrigation District, El Centro Generating Station.
2. All terms and conditions of this permit are enforceable by Imperial County Air Pollution Control District and U.S. EPA under the Clean Air Act. **40 CFR Part 72.**
3. The Permittee shall comply with all the applicable requirements of the Acid Rain Permit Application located in Attachment A. **40 CFR Part 72.30**
4. This Acid Rain permit incorporates the definitions of terms in 40 CFR Part 72.2.
5. This permit is valid for a term of five (5) years from the date of issuance unless a timely and complete renewal application is submitted to Imperial County Air Pollution Control District. **40 CFR 72.69**
6. A timely renewal application is an application that is received at least six months prior to the permit expiration date. **40 CFR 72.30**

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XI. Risk Management Plan

This stationary source, as defined in 40 CFR Section 68.3, is subject to part 68, the Accidental Release Prevention regulations. This stationary source shall certify compliance with the requirements of part 68 as part of the annual compliance certification as required by 40 CFR Part 70 or 71. **40 CFR Part 68.3, Risk Management Plan.**

XII. Right of Entry

1. The Regional Administrator of United States Environmental Protection Agency (U.S. EPA), the Executive Officer of the California Air Resources Board, the APCO, or their authorized representatives, upon the presentation of credentials, shall be permitted to enter upon the premises:
 - a. To inspect the stationary source, including equipment, work practices, operations, and emissions-related activity; and
 - b. To inspect and duplicate records required by this Operating Permit; and
 - c. To sample substances or monitor emissions from the source or other parameters to assure compliance with the Permit or applicable requirements. Monitoring of emissions can include source testing. **ICAPCD Rule 900.F.2.j, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11; ICAPCD Rule 207, New Source Review, revised 09/11/2018; PTO 2152C-4, Condition A.7; PTO 1156A-2, Condition A.7.**

XIII. Severability

1. The provisions of this Operating Permit are severable and if any provisions of this Operating Permit are held invalid, the remainder of this Operating Permit shall not be affected thereby. **ICAPCD Rule 900.F.2.m, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11.**

XIV. Permit Life

1. This Operating Permit shall become invalid five years from the date of issuance unless a timely and complete renewal application is submitted to the District. The Permittee shall apply for renewal of this Operating Permit no earlier than 18

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months and no later than 6 months before the expiration date of the current permit to operate. Upon submittal of a timely and complete renewal application, this Operating Permit shall remain in effect until the APCO issues or denies the renewal application. **ICAPCD Rule 900.F.2.o, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11.**

XV. Payment of Fees

1. The Permittee shall remit the Title V annual fee to the District on a timely basis. Failure to remit fees on a timely basis shall result in forfeiture of this Operating Permit. Operation without a permit to operate subjects the source to potential enforcement action by the District and the U.S. EPA pursuant to section 502(a) of the Clean Air Act. **ICAPCD Rule 900.F.2.p, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 12/20/11.**

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT

ACID RAIN PERMIT (Consolidated into Title V)

Issued to: El Centro Generating Station
485 East Villa Ave.
El Centro, CA 92243

Operated by: Imperial Irrigation District

ORIS code: 0389

Representative: Mr. Kraig Strauch
Manager of Generation, Energy

Effective: XX/XX/2023

Expiration Date: XX/XX/2028

Acid Rain Permit Contents

- 1) Statement of Basis.
- 2) SO₂ allowances allocated under this permit and NO_x requirements for each affected unit.
- 3) Comments, notes and justifications regarding permit decisions and changes made to the permit application form during the review process, and any additional requirements or conditions.
- 4) The permit application submitted for this source, as corrected by Imperial County Air Pollution Control District. The owner and operators of the source must comply with the standard requirements and special provisions set forth in the application.

1) Statement of Basis

Statutory and Regulatory Authorities: In accordance with Rule 901, Acid Deposition Control, of the Imperial County Air Pollution Control District and Titles IV and V of the Clean Air Act, the Imperial County Air Pollution Control District issues this permit pursuant to 40 CFR Part 72.

2) SO₂ Allowance Allocations and NO_x Requirements for each affected unit

Unit 2						
Year	2023	2024	2025	2026	2027	2028
SO ₂ allowances, under table 2 of 40 CFR Part 73.	272*	272*	272*	272*	272*	272*
NO _x Limit This Unit is not subject to the NO _x requirements from 40 CFR Part 76 as this unit is not capable of firing on coal	N/A	N/A	N/A	N/A	N/A	N/A

Unit 3						
Year	2023	2024	2025	2026	2027	2028
SO ₂ allowances, under table 2 of 40 CFR Part 73.	579*	579*	579*	579*	579*	579*
NO _x Limit This Unit is not subject to the NO _x requirements from 40 CFR Part 76 as this unit is not capable of firing on coal	N/A	N/A	N/A	N/A	N/A	N/A

Unit 4						
Year	2023	2024	2025	2026	2027	2028
SO ₂ allowances, under table 2 of 40 CFR Part 73.	560*	560*	560*	560*	560*	560*
NO _x Limit This Unit is not subject to the NO _x requirements from 40 CFR Part 76 as this unit is not capable of firing on coal	N/A	N/A	N/A	N/A	N/A	N/A

* The number of allowances allocated to Phase II affected units by U.S. EPA may change in a 1998 revision to 40 CFR Part 73 Tables 2, 3, and 4. In addition, the number of allowances actually held by an affected source in a unit account may differ from the number allocated by U.S. EPA. Neither of the aforementioned

conditions necessitate a revision to the unit SO₂ allowance allocations identified in this permit (See 40 CFR 72.84).

3) Comments, Notes and Justifications:

None

4) Permit Application: Attached.

DRAFT

El Centro Generating Station
Facility (Source) Name (from STEP 1)

Permit Requirements

STEP 3

Read the standard requirements.

- (1) The designated representative of each affected source and each affected unit at the source shall:
 - (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
 - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each affected source and each affected unit at the source shall:
 - (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
 - (ii) Have an Acid Rain Permit.

Monitoring Requirements

- (1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

- (1) The owners and operators of each source and each affected unit at the source shall:
 - (i) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
 - (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
 - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).

El Centro Generating Station
Facility (Source) Name (from STEP 1)

Sulfur Dioxide Requirements, Cont'd.

STEP 3, Cont'd.

- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements

The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

- (1) The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
- (2) The owners and operators of an affected source that has excess emissions in any calendar year shall:
- (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
 - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

- (1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
- (i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission

El Centro Generating Station Facility (Source) Name (from STEP 1)
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of a new certificate of representation changing the designated representative;

STEP 3, Cont'd.**Recordkeeping and Reporting Requirements, Cont'd.**

- (ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
 - (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
- (5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
- (6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.
- (7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

- (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with

El Centro Generating Station
Facility (Source) Name (from STEP 1)

any other provision of the Act, including the provisions of title I of the Act relating

STEP 3, Cont'd.

Effect on Other Authorities, Cont'd.

- to applicable National Ambient Air Quality Standards or State Implementation Plans;
- (2) Limiting the number of allowances a source can hold; *provided*, that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;
 - (3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
 - (4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
 - (5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4
Read the certification statement, sign, and date.

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name <u>KRAIG STRAUCE</u>	
Signature <u>[Handwritten Signature]</u>	Date <u>2-6-23</u>