



**GREAT BASIN UNIFIED AIR POLLUTION CONTROL DISTRICT
TITLE V OPERATING PERMIT**

157 Short Street ♦ Bishop, California 93514 ♦ (760) 872-8211 ♦ fax (760) 872-6109

PERMIT NUMBER V-2

ISSUED TO:

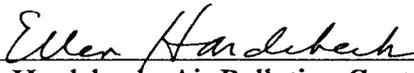
Coso Operating Company LLC
PO Box 1690
Inyokern, CA 93527
2 Gill Station Road, Coso Junction
Little Lake, CA 93542

PLANT SITE LOCATION: Coso Geothermal Project, Inyo County

North central section of the Inyo County portion of China Lake Naval Air Weapons Station
The plants and well fields are either partially or completely located in the following sections:

Sections 1 and 13, T22S, R38E, sections 4, 5, 6, 7, 8, 9, 16, 17, 18, 19, 20, 21, 29 and 30 T22S,
R39E, Mount Diablo Meridian.

ISSUED BY GREAT BASIN UNIFIED AIR POLLUTION CONTROL DISTRICT


Ellen Hardebeck, Air Pollution Control Officer

March 6, 2002
Issuance Date

March 6, 2007
Expiration Date

Nature of Business: Geothermal Electric Power Production
Primary SIC: 4911

RESPONSIBLE OFFICIAL:
Name: Joseph Greco
Title: Director of Business Management

FACILITY CONTACT PERSON:
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Title: Site Manager
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LIST OF ACRONYMS USED IN THIS PERMIT

APCO	Air Pollution Control Officer
BACT	Best Available Control Technology
CARB	California Air Resources Board
CAMP	Coso Air Monitoring Program
CD	Control Device
CEM	Continuous Emissions Monitor
CFR	Code of Federal Regulations
CH&SC	California Health and Safety Code
CO	Carbon monoxide
dscf	Dry standard cubic feet
EF	Emission factor
U.S. EPA	United States Environmental Protection Agency
ES	Emission Source
FCAA	Federal Clean Air Act
G&GE	Goddard & Goddard Engineering
I&M	Inspection and Maintenance
KGRA	Known Geothermal Resource Area
LTPD	Long Ton Per Day
NAAMM	Native American Ambient Modeling and Monitoring
O&M	Operation and Maintenance
OMAR	Operational Management of Air Resources
PM	Particulate Matter
PPBV	Parts Per Billion by Volume
RMP	Real-time Monitoring Program
WFEMS	Well Field Emissions Management System

Until such time as this permit expires, is modified or revoked, the permittee is allowed to discharge air contaminants from those processes and activities directly related to or associated with air contaminant source(s) in accordance with the requirements, limitations, and conditions of this permit. All the following permit conditions are federally enforceable. (Authority: District Rule 217)

PERMIT CONDITIONS

I. EMISSIONS SOURCES AND POLLUTION CONTROL DEVICES

- A. The emissions sources (ES) and pollution control devices regulated by this permit are listed in Table 1 for the four power plant facilities, Navy I, Navy II, BLM East and BLM West, plus the associated well fields. (Authority: District Rules 217 and 424)

Table 1 Emission Sources and Pollution Control Devices

Emissions Source	ES ID	District PTO#	Pollution Control Device
Navy I (Coso Finance Partners)			
25 MW Mitsubish Modular Power Plant	Unit 1	234	<u>BACT</u> : Lo-Cat unit and Hondo (type) H ₂ S Abatement System
25 MW Fuji Electric Single Unit Double Flash	Unit 2	320	
25 MW Fuji Electric Single Unit Double Flash	Unit 3	341	
340 HP Diesel-engine Emergency Fire Pump	IC-1	--	No device, daily usage limit
340 HP Diesel-engine Emergency Fire Pump	IC-2	--	No device, daily usage limit
86 HP Diesel Generator (emergency power)	IC-3	--	No device
Fuel Pad -4000 gallons, gasoline		689	Submerged fill tube
Navy II (Coso Power Developers)			
27 MW Fuji Electric Single Unit Double Flash	Unit 4	468	<u>BACT</u> : Two (2) Lo-Cat units
27 MW Fuji Electric Single Unit Double Flash	Unit 5	470	
27 MW Fuji Electric Single Unit Double Flash	Unit 6	471	
375 HP Diesel-engine Emergency Fire Pump	IC-4	--	No device, daily usage limit
375 HP Diesel-engine Emergency Fire Pump	IC-5	--	No device, daily usage limit
BLM East and West (Coso Energy Developers)			
24 MW Fuji Electric Single Unit Double Flash	Unit 7	379	<u>BACT</u> : Dow SulFerox treatment plant and Hondo (type) H ₂ S Abatement system
24 MW Fuji Electric Single Unit Double Flash	Unit 8	380	
30 MW Fuji Electric Single Unit Double Flash	Unit 9	457	<u>BACT</u> : Dow SulFerox treatment plant and Hondo (type) H ₂ S Abatement system
375 HP Diesel-engine Emergency Fire Pump	IC-6	--	No device, daily usage limit
375 HP Diesel-engine Emergency Fire Pump	C-7	--	No device, daily usage limit
Navy I, Navy II, BLM East and West Well Fields			
All wells within the Coso KGRA	All permitted wells/drilling rigs		No device, Real-time Monitoring Program (Condition IV.B)

- B. The pollution control for well field emissions is the Real-time Monitoring Program (RMP) and Well Field Emissions Monitoring System (WFEMS) (Condition IV.B). (Authority: District Rule 424.H)

II. FACILITY-WIDE EMISSION LIMITS/STANDARDS

A. All Regulated Pollutant Emissions Limits/Standards

At no time shall emissions of any pollutant, for which there is a Federal or State ambient air quality standard, exceed 250 lbs/day during operation of each permitted facility. (Authority: PTO Condition 24, District Rule 209-A.B)

Table 2-A Facility-Wide Emission Limits/Standards

Condition Number	Pollutant/Parameter	Applicable Requirement	Limit/Standard
II.B.2	H ₂ S	Rule 424.B	100 g/MwHr/power plant
II.B.3	H ₂ S	Rule 424.D	2.5 kg/hr/source
II.B.4	ambient H ₂ S	Rule 424.H.7	15 ppbv at Coso Navy entrance gate
II.B.10	ambient H ₂ S	Rule 210 and 424.H	Cal-OSHA limits
II.C	SO ₂	Rule 424.A	1000 ppm/well
II.D.1	visible emissions	Rule 400	20% opacity, 3 min. in 60 minutes
II.D.2	visible emissions	CH&SC §41701	40% opacity, 3 min. in 60 minutes
II.E.1, II.E.2	fugitive emissions	Rule 401	None crossing property boundaries

B. Hydrogen Sulfide Emissions Limits/Standards and BACT

1. Best Available Control Technology (BACT) shall be utilized to control Hydrogen Sulfide (H₂S) emissions from each power plant. Current BACT for H₂S emissions is listed in Table 2-B and is further described in Condition III – Unit-Specific Emissions Limits/Standards for the equipment within the Coso KGRA. (Authority: PTO Condition 1, District Rule 210)
2. The permittee shall not discharge into the atmosphere from each geothermal power plant more than 100 grams/MwHr/unit of Hydrogen Sulfide (H₂S). (Authority: PTO Condition 6, District Rule 424.B)
3. The permittee shall not discharge into the atmosphere from each miscellaneous steam supply operation more than 2.5 kg/hr/source of Hydrogen Sulfide (H₂S). (Authority: District Rule 424.D)

Table 2-B BACT for H₂S

Emissions Source	ES ID	BACT
Navy I Power Plants		
25 MW Mitsubishi Modular Power Plant	Unit 1	Lo-Cat liquid redox system and Hondo (type) H ₂ S Abatement System
25 MW Fuji Electric Single Unit Double Flash	Unit 2	
25 MW Fuji Electric Single Unit Double Flash	Unit 3	
Navy II Power Plants		
27 MW Fuji Electric Single Unit Double Flash	Unit 4	Two (2) Lo-Cat liquid redox systems
27 MW Fuji Electric Single Unit Double Flash	Unit 5	
27 MW Fuji Electric Single Unit Double Flash	Unit 6	
BLM East and West Power Plants		
24 MW Fuji Electric Single Unit Double Flash	Unit 7	Dow SulFerox treatment liquid redox system and Hondo (type) H ₂ S Abatement system (shared)
24 MW Fuji Electric Single Unit Double Flash	Unit 8	
30 MW Fuji Electric Single Unit Double Flash	Unit 9	Dow SulFerox treatment liquid redox system and Hondo (type) H ₂ S Abatement system (shared)
Navy I, Navy II, BLM East and West Well Fields		
All COC wells within the Coso KGRA	COC wells	Real-time Monitoring Program (Condition IV.B)

4. If H₂S levels measured at the Coso Navy entrance gate are increasing and exceed a one hour average of 15 ppbv (parts per billion by volume), the permittee shall reduce H₂S venting within one hour. If the one hour average H₂S levels at the Coso Navy entrance gate reach or exceeds 18 ppbv the permittee shall suspend, within one hour, all venting from its Coso KGRA facilities in excess of 100 grams/MwHr/Unit. This suspension shall be rescinded when the H₂S levels at the gate return to 15 ppbv or less. (Authority: PTO Condition 7, District Rules 210 and 424.H)
5. A common closed condensate collection system shall be used to dispose of necessary transmission line and power plant vents. Liquids shall be disposed through the brine injection system. Non-condensable (NC) gas shall be disposed through the primary or alternate H₂S control system. (Authority: PTO Condition 18, District Rules 210 and 424.D)
6. To minimize emission impacts during power plant start-ups and outages, the permittee shall stagger and coordinate any scheduled outage and unit start-up to comply with District Rule 424.E. Upon an unscheduled outage, the permittee shall:

- a. within 4 hours or less reduce H₂S emissions by 90% or more for one unit, or by 65% or more if a simultaneous outage of multiple units occurs, or to not more than 15 kg/hr/unit (33 lb/hr/unit), and
 - b. reduce facility-wide emissions within one hour in accordance with District Rule 424.E if hourly ambient impacts are greater than 15 ppbv at the Coso Navy entrance gate. The timeframes for meeting these requirements are based on the air quality impacts evaluated in the G&GE report October 10, 2000 and may be revised as resource and facility conditions change. (Authority: PTO Condition 16)
7. As required by the APCO, the permittee shall submit for approval, an updated plan for controlling vented emissions. The District shall review the plan and, within 60 days of receipt, respond by either approving the plan or returning it to the permittee for further clarification. The vented emissions plan shall be supported by quantification of all atmospheric vented emissions, with emphasis placed on:
- a. Air quality impacts resulting from cold start up
 - b. Warm start up
 - c. Emergency shutdown/start up
 - d. Multiple power plant shutdown, under worst case meteorological conditions.

The plan shall also include cumulative air quality impact modeling of multiple power plant unit(s) consisting of the Navy I, II, and BLM projects and other operating and planned units(s). The plan shall also show that ambient air quality standards in Conditions II.B.2-4 will not be exceeded. Upon approval by the District, the submitted plan and any required revisions shall be incorporated into this permit and will be equally enforceable. (Authority: PTO Condition 4, District Rules 210 and 424.F)

8. Should three (3) or more uncontrolled venting episodes involving all nine power plants occur during any concurrent one year period, or a violation of an Ambient Air Quality Standard occur, the permittee shall submit to the District within 90 days plans to reduce emissions describing how the Ambient Air Quality Standards will be protected. In addition to the above plan, the permittee shall resubmit an updated vented emission plan for all previously issued power plant permits. (Authority: PTO Condition 17, District Rules 210, 403, 424.E and 424.F)
9. For venting from the power plant during breakdown or upset conditions, the permittee shall follow guidelines set in Rule 403 of the GBUAPCD Book of Rules and Regulations. For this condition, an upset condition shall be defined as any condition that requires venting to maintain the integrity of the power plant equipment. The permittee shall make every possible effort to

control the vented emissions within 15 minutes. If vented emissions cannot be controlled in 15 minutes, the permittee shall immediately notify the GBUAPCD within 1 hour and advise them of the situation and amount of time required to control the vented emissions. The permittee shall reduce H₂S emissions by 90% or more within one hour by use of the control plan developed under Condition II.B.5, whether or not there is a turbine trip. During range closures, or unattended power plant operation, any failure of the non-condensable control system or turbine trip shall trigger shut-in of the production wells. (Authority: PTO Condition 5, District Rules 210 and 403)

10. The permittee shall monitor and control worker exposure to H₂S so that it does not exceed the permissible exposure limits established by Cal-OSHA (Authority: District Rules 210 & 424.H).
11. LCV-26 valves shall not be used for pressure control. (Authority: PTO Condition 26, District Rules 210 and 424.B)
12. The permittee shall control the Hydrogen Sulfide content in the condensate used for cooling tower makeup water so that the cooling tower emissions do not exceed 2.5 lb/hr. (Authority: PTO Condition 2)
13. The permittee shall implement all mitigation measures required by the California Energy Commission (CEC) and discussed in the Final Commission Decision, Application for a Small Power Plant Exemption for The China Lake Joint Venture's Navy II Geothermal Project, dated December 1988. The permittee shall also fulfill those mitigation measures (by changing all instances of the word "should" to "shall") identified in the Environmental Assessment/ Initial Study of the Proposed China Lake Joint Venture Navy II Geothermal Development and Utilization, dated September 1988 (EA/IS available at District Office). (Authority: District Rule 210)

C. Sulfur Compound Emissions Limits/Standards

The permittee shall not discharge into the atmosphere sulfur compounds, calculated as sulfur dioxide (SO₂), in excess of 1,000 ppm from each geothermal operation. (Authority: District Rule 424.A)

D. Visible Emissions Limits/Standards

1. The permittee shall not discharge any air contaminant into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is darker than Ringelmann 1 or greater than 20% opacity. (Authority: District Rule 400)
2. The permittee shall not discharge any air contaminant into the atmosphere for

a period or periods aggregating more than 3 minutes in any one hour which is darker than Ringelmann 2 or greater than 40% opacity. (Authority: CH&SC §41701)

E. Fugitive Dust (Particulate) Emissions Limits/Standards

1. The permittee shall control fugitive dust emissions from construction operations, cleared areas, and dirt roads in accordance with a GBUAPCD-approved written plan that describes dust control measures to be utilized during the construction operation process. Use of waste crankcase oil, or petroleum product is not considered an approved dust abatement method.

If wind conditions are such that the permittee cannot control dust, the permittee shall shut down all construction operations (except for equipment used for dust control). Under no circumstance shall wind generated dust or other man-caused fugitive dust be allowed to blow across a property boundary. (Authority: PTO Condition 8, District Rule 401)

2. The permittee is responsible for dust control and for ensuring that subcontractor(s), employees, and all other persons connected with the project abide by the conditions of this permit. (Authority: PTO Condition 9, District Rules 210 and 401)

III. EMISSION-UNIT-SPECIFIC EMISSION LIMITS/STANDARDS

A. Navy I Emissions Limits/Standards and BACT

Table 3-A Emission Limits/Standards for Navy I

ES ID	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard
Unit 1	Rule 424.A	II.C	SO ₂	1000 ppm
Unit 2	Rule 424.B	II.B.2, III.A.3	H ₂ S	100 g/MwHr/unit
Unit 3	Rule 424.D	II.B.3	H ₂ S	2.5 kg/hr/unit
Navy I.CD	Rule 210 & 424.B	III.A.3	H ₂ S	1.8 lb/hr/unit (avg/wk)

1. Current BACT consists of the Lo-Cat liquid redox system, unit Navy 1.CD. The Hondo (type) H₂S abatement system shall be considered as back-up and used in the event the Lo-Cat liquid redox system is inoperable. (Authority: PTO Condition 1, District Rules 210 and 424.B)
2. The Lo-Cat H₂S treatment plant and Hondo (type) H₂S abatement system shall be properly maintained to serve as primary, alternate or parallel control systems to control H₂S emissions from the Navy I Power Plants. (Authority: District Rules 210 and 424.B)
3. H₂S emissions from the Lo-Cat H₂S treatment plant, which treats the non-condensable gas from the combined Navy I shall not exceed an average H₂S emission rate of 1.8 pounds per hour for the previous 168 hours of operation, excluding hours when the treatment plant emissions exceed the 100 g/MW-hour emission limit. The permittee shall notify the District of any exceedence of the emission limit within 96 hours after such occurrence. (Authority: PTO Condition 21, CH&SC §42706, District Rules 210 and 424.B)

B. Navy II Emissions Limits/Standards and BACT

Table 3-B Emission Limits/Standards for Navy II

ES ID	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard
Unit 4 Unit 5 Unit 6	Rule 424.A	II.C	SO ₂	1000 ppm
	Rule 424.B	II.B.2, III.B.3-4	H ₂ S	100 g/MwHr/unit
	Rule 424.D	II.B.3	H ₂ S	2.5 kg/hr/unit
Navy II.CD1	Rule 210 & 424.B	III.B.3	H ₂ S	3.0 lb/hr (avg/wk)
Navy II.CD2	Rule 210 & 424.B	III.B.4	H ₂ S	3.71 lb/hr (avg/wk)

1. Current BACT consists of the Lo-Cat liquid redox system. Two such systems shall be operated, units Navy II.CD 1 and Navy II.CD2. (Authority: PTO Condition 1, District Rules 210 and 424.B).
2. The two Lo-Cat H₂S treatment plants shall be properly maintained to serve as primary, alternate or parallel control systems to control H₂S emissions from the Navy II power plants. (Authority: District Rules 210 and 424.B)
3. Hydrogen Sulfide (H₂S) emissions from the Lo-Cat, Navy II 10.0 long ton per day (LTPD) H₂S treatment plant shall not exceed an average H₂S emission rate of 3.0 pounds per hour for the previous 168 hours of operation, excluding hours when the treatment plant emissions exceed the 100 g/MW-hour emission limit. The permittee shall notify the District of any exceedence of these emission limits within 96 hours after such occurrence. (Authority: PTO Condition 21, CH&SC §42706, District Rules 210 and 424.B)
4. H₂S emissions from the Lo-Cat, Navy II 5.77 LTPD H₂S treatment plant shall not exceed an average H₂S emission rate of 3.71 pounds per hour for the previous 168 hours of operation, excluding hours when the treatment plant emissions exceed the 100 g/MW-hour emission limit. The permittee shall notify the District of any exceedence of these emission limits within 96 hours after such occurrence. (Authority: PTO Condition 21, CH&SC §42706, District Rules 210 and 424.B)

C. BLM East and West Emissions Limits/Standards and BACT

Table 3-C Emission Limits/Standards for BLM East and West

ES ID	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard
Unit 7 BLM-E	Rule 424.A	II.C	SO ₂	1000 ppm
Unit 8 BLM-E	Rule 424.B	II.B.2, III.C.3-4	H ₂ S	100 g/MwHr/unit
Unit 9 BLM-W	Rule 424.D	II.B.3	H ₂ S	2.5 kg/hr/unit
BLME.CD	Rule 210 & 424.B	III.C.3	H ₂ S	4.6 lb/hr (avg/wk)
BLMW.CD	Rule 210 & 424.B	III.C.4	H ₂ S	2.0 lb/hr (avg/wk)

1. Current BACT for the BLM East and West, units BLME.CD and BLMW.CD, consists of the Dow SulFerox treatment system and the Hondo (type) H₂S abatement system. The Hondo (type) H₂S abatement systems shall be considered as back-up and used in the event the Dow SulFerox treatment plants are inoperable. (Authority: PTO Condition 1, District Rules 210 and 424.B)
2. The Dow SulFerox treatment plant and the Hondo (type) H₂S abatement system shall be properly maintained to serve as primary, alternate or parallel control systems to control H₂S emissions from the BLM Power Plants. (Authority: District Rules 210 and 424.B)
3. Hydrogen Sulfide (H₂S) emissions from the Dow SulFerox H₂S treatment plant, which treats the non-condensable gas from the combined BLM East, Units 7 & 8, shall not exceed an average H₂S emission rate of 4.6 pounds per hour for the previous 168 hours of operation, excluding hours when the treatment plant emissions exceed the 100 g/MW-hour emission limit. The permittee shall notify the District of any exceedence of these emission limits within 96 hours after such occurrence. (Authority: PTO Condition 21, CH&SC §42706, District Rules 210 and 424.B)
4. Hydrogen Sulfide (H₂S) emissions from the Dow SulFerox H₂S treatment plant, which treats the non-condensable gas from BLM West, Unit 9, shall not exceed an average H₂S emission rate of 2.0 pounds per hour for the previous 168 hours of operation, excluding hours when the treatment plant emissions exceed the 100 g/MW-hour emission limit. The permittee shall notify the District of any exceedence of these emission limits within 96 hours after such occurrence. (Authority: PTO Condition 21, CH&SC §42706, District Rules 210 and 424.B)

D. Well Fields & Emergency Equipment Emissions Limits/Standards and BACT

Table 3-D Emission Limits/Standards for Well Fields and Emergency Equipment

ES ID	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard
Well Fields (All COC wells)	Rule 424.H	III.D.4-5	H ₂ S	15 ppbv - modeling ambient impact - RMP
	Rule 403, 209-A.B and 210	III.D.3	NO _x	250 pounds/day
IC-1 IC-2 IC-3 IC-4	Rule 400	II.D.1, II.E.1-2	Visible emissions	20% opacity, 3 min. in 60 minutes
IC-5 IC-6 IC-7	Rule 400	II.D.2, II.E.1-2	Visible emissions	40% opacity, 3 min. in 60 minutes

1. Current BACT for the well-field H₂S emissions is the use of the Coso Geothermal Real-time Monitoring Program (RMP) and well Field Emissions Monitoring System (WFEMS), G&GE, February 21, 1997 (Authority: District Rule 424.H, Air Monitoring Condition IV.B.1, Appendix C).
2. The permittee shall notify the District at least twenty-four (24) hours prior to any change in status (venting, production, shut down, etc.) of any well or group of wells in the Coso KGRA. Breakdown conditions shall be handled according to Rule 403 of the District Book of Rules and Regulations. (Authority: District Rule 403)
3. At no time shall emissions of any pollutant, for which there is a Federal or State ambient air quality standard, exceed 250 lbs/day from any diesel generator, unless BACT is applied. (Authority: District Rule 209 - A.B)
4. If hourly average H₂S readings at a monitor site where the public may have access exceeds an average of 15 ppbv for any one hour period, the permittee shall reduce well venting so that the one-hour average reading is reduced to less than 15 ppbv within one hour (Authority: PTO Condition 7, District Rule 424.H).
5. If hourly average H₂S readings at any monitor site where the public may have access exceeds an average of 18 ppbv for any one hour period, the permittee shall suspend all well venting until the hourly average ambient H₂S reading is reduced to less than 15 ppbv (Authority: PTO Condition 7, District Rule 424.H).

IV. MONITORING REQUIREMENTS

Table 4 Monitoring Requirements Summary

Condition	Frequency	Monitoring Requirement
IV.A.1	Continuous	H ₂ S concentration (ppbv), flowrate and calculated emission rate (lb/hr) at outlet of the primary H ₂ S control system at each power plant
IV.A.2	Continuous	H ₂ S concentration (ppbv), flowrate and calculated emission rate (lb/hr) at each well
IV.A.3	Event	Duration and total emissions (lbs or tons) of diversions of NC gases to the cooling tower or any other emission point
IV.A.4	Hourly	H ₂ S emission rate (lb/hr) of the Nash liquid ring vacuum pump and compressor gas removal system
IV.A.5	Daily	Inspection and maintenance records of visible emissions observations and dust abatement activities within the KGRA
IV.A.6	Daily	Diesel fuel use of each drilling rig (not to exceed 850 gal/day each)
IV.A.7	Daily	Use of each emergency generator not to exceed 21 hr/day each
IV.B	Applicable	All monitoring required by the APCO-approved RMP and WFEMS
IV.C.2	Continuous	As per the APCO-approved CAMP plan, wind speed, wind direction, sigma theta, ambient temperature, relative humidity, precipitation, PM-10, and H ₂ S
IV.C.2	Applicable per unit	Inspection and maintenance records for ambient and meteorological monitoring equipment
IV.C.6	Every 3 days	PM-10 samples at Coso Junction monitoring site
(Any limit)	Event	Exceedance of emissions limit or standard (see Notification Req.'s)

A. Emissions Monitoring

1. The permittee shall continuously monitor and record the H₂S concentration and gas flow rate at the respective outlets of the primary liquid redox H₂S treatment systems of each facility (Navy I, Navy II, and BLM East and West). The District-approved continuous emission monitor (CEM) shall record the H₂S concentration in parts per million by volume and the calculated H₂S emissions rate in pounds per hour. The CEM shall be properly maintained and serviced at least twice monthly. The permittee shall semi-annually check the monitor's accuracy by performing a multi-point precision calibration. The permittee shall adhere to a District-approved quality assurance plan that describes the calibration procedures necessary to accurately collect data and measure the H₂S emissions. (Authority: PTO Condition 22, District Rules 206, 210, 424.B and 424.F)
2. The permittee shall monitor and record the H₂S emission rate for each well as a function of drilling depth with continuous hydrogen sulfide monitoring equipment. A continuous record of the H₂S concentration and emission rate shall be made available to District personnel upon request. (Authority: District Rules 424.F and 424.H).

3. The permittee shall provide pressure and volumetric flow instruments recording in real time, by use of a strip chart or any other means, any diversion or venting of non-condensable (NC) gas to the cooling tower or any other potential emission point. The permittee shall promptly notify the District of all NC gas emissions diverted, and their venting duration. Records of these diversions shall be made available to the District staff upon request. During direct operator diversion or venting of any NC gas to any potential emission point without a turbine trip or equipment breakdown the permittee shall comply with Rule 424.B of the District Book of Rules and Regulations. The intentional diverting and venting of NC gases to maintain and protect the generation of electrical power shall not be considered a Breakdown Condition as characterized in Condition II.B.9. The permittee shall make every effort to utilize the existing BACT. In the event of an unforeseeable failure, the permittee shall comply with District Rule 403 - Breakdown and Condition II.B.9. (Authority: PTO Condition 15, District Rules 403, 424.B and 424.F)
4. The permittee shall monitor and record any uncontrolled emissions of non-condensable gases from venting of the Nash liquid ring vacuum pump and compressor gas removal system. Any uncontrolled vent line from the Nash liquid ring vacuum pump and compressor gas removal system shall be equipped with a record keeping device to monitor and record uncontrolled hourly H₂S emissions or an acceptable method to estimate emissions shall be submitted to the Air Pollution Control Officer for approval. (Authority: PTO Condition 25, District Rules 210, 424.B and 424.F)
5. The permittee shall perform and maintain records of the following fugitive emissions inspection and maintenance (I&M):
 - a. At least daily, the permittee shall visually observe the active areas of the KGRA for any sources of excess fugitive emissions in accordance with EPA Method 22 (attached). For the purpose of this survey, excess fugitive emissions are considered to be any visible emissions that leave the KGRA boundaries. The person conducting the observation does not have to be EPA Method 9 certified. However, the individual should be familiar with the procedures of EPA Method 9 including using the proper location to observe visible emissions. If sources of fugitive emissions are identified, the permittee shall:
 - i. Immediately conduct an EPA Method 9 test at the KGRA boundary within 24 hours; or
 - ii. Contain the source of emissions (e.g., sweep up the dust site), cover the material, or use water or some chemical treatment to

minimize the fugitive emissions, unless cold weather would make this activity result in hazard conditions. If water is used to control the fugitive dust emissions, the permittee shall take precautions to not create a water quality problem from surface water run-off.

- b. The permittee shall maintain a log of all I&M activities listed in Conditions II.D.1-2 and II.E.1-2. The permittee shall record in a log the date and time of maintenance activities and visible emissions observations, the results of the observations, and the corrective action, if necessary. (Authority: District Rules 210, 400, and 401)
6. In order to limit drilling rig NO_x emissions to less than 250 pounds per day, total consumption of diesel fuel for each unit shall be limited to an actual (not average) throughput of 850 gallons per day. Fuel flow shall be properly metered and recorded daily. These records are to be maintained at each drilling site and shall be made available to the District staff upon request. (Authority: District Rules 209-A.B, and 210)
7. In order to limit emergency generator NO_x emissions to less than 250 pounds per day, each unit shall operate no more than 21 hours per day. Records of operating hours are to be maintained at each site and shall be made available to the District staff upon request. (Authority: District Rules 209-A.B, and 210)

B. RMP and WFEMS

The well venting program shall be regulated through an APCO-approved Real-time Monitoring Program (RMP) and Well Field Emissions Management System (WFEMS), which shall include the APCO-approved Coso Air Monitoring Program (CAMP) described in Condition IV.C, routine, non-routine and Native-American visit venting plans as required under Rule 424.H. All terms and conditions of the RMP shall automatically become permit conditions of all existing and future well authorities to construct and permits to operate held by the permittee in the Coso KGRA (Authority: District Rule 424.H).

1. Each well field consists of injection wells, observation wells, and production wells. The number of wells varies and their emissions are flexible within the RMP. Well field emissions are limited based on meteorology to prevent modeled ambient impacts from the well fields and all H₂S sources from exceeding 15 parts per billion by volume at the facility boundary. All existing and new wells included in the RMP are required to comply with the conditions of this permit.
2. The APCO can, upon 30 days notice to the permittee, withdraw permission for the RMP for any reasonable cause.

C. CAMP

1. The permittee shall operate each geothermal power plant and well field within the Coso KGRA in accordance with an APCO-approved Coso Air Monitoring Program (CAMP) plan. The plan shall be written to conform to requirements contained in the 40 CFR Part 58, PSD monitoring guidelines. Upon approval by the District, the submitted ambient air monitoring plan and any required revisions shall be incorporated by reference into this permit and will be equally enforceable. (Authority: PTO Condition 28)
2. A state of the art ambient air quality monitoring network, with stations in locations determined by the District, shall be continuously operated and maintained according to the regulations found in Title 40 of the Code of Regulations (40 CFR) Part 58, Prevention of Significant Deterioration (PSD). This network shall include, but not be limited to, monitors for the following: wind speed, wind direction, sigma theta, ambient temperature, relative humidity, precipitation, PM-10, and hydrogen sulfide (H₂S). All instruments used in the network shall be approved by the District and kept in good operating condition through continuous maintenance and calibration practices as specified in the 40 CFR Part 58, PSD monitoring guidelines, the equipment manufacturer's operating manuals, the EPA Quality Assurance Handbook for Air Pollution Measurement Systems, Vols. I, II, and IV, and the California Air Resources Board, Air Monitoring Quality Assurance Handbook Vol. I, and II, including additional specifications determined by the District as listed in the permit conditions. The data shall be recorded electronically by a datalogger and the H₂S information backed up by a continuous strip chart. (Authority: PTO Condition 27, District Rules 210, 424.F and 424.H)
3. The permittee shall perform all CAMP activities in accordance with a District-approved Quality Assurance/Quality Control (QA/QC) Manual. The QA/QC Manual shall be written to conform to requirements contained in 40 CFR Part 58, PSD monitoring guidelines. Upon approval by the District, the submitted QA/QC Manual and any required revisions shall be incorporated by reference into this permit and will be equally enforceable. (Authority: PTO Condition 29)
4. Only data collected from ambient hydrogen sulfide analyzers based on EPA reference or equivalent method sulfur dioxide analyzers, subject to approval by the District, will be accepted. Only meteorological data collected from sensors that comply with 40 CFR, Part 58, PSD Guidelines, and the US EPA PSD guidance document (EPA-450/4-87-007) will be accepted by the District. (Authority: PTO Condition 30)

5. The permittee shall provide modem access to real-time ambient hydrogen sulfide and meteorological data obtained at the Coso Navy entrance gate and the Blast Site. The modem accessible data shall provide a record of 15-minute average values for H₂S. If H₂S levels at these sites reach or exceed a one hour average of 15 ppbv, the Operator shall notify the District via FAX transmission within one hour of the event. (Authority: PTO Condition 35)
6. Ambient PM-10 samples shall be collected once every third day at the Coso Junction site on the federal ambient monitor sampling schedule using USEPA-approved reference or equivalent method samplers (40CFR, Part 52). The required PM-10 data capture rate is 75% of the third day samples per calendar quarter. (Authority: PTO Condition 36)
7. The required data capture rates are 80% per month for the continuous H₂S analyzer data and 90% for the meteorological data. Downtime due to normal station checks and calibrations are to be counted against the data capture. (Authority: PTO Condition 37)

V. TESTING REQUIREMENTS

Table 5 Testing Requirements Summary

Condition	Frequency	Testing Requirement
V.A	Annual	Performance test of H ₂ S treatment system CEMS
V.C	Every 4 years	Analysis for toxics on AB-2588 substances list
V.E	Initial	Well test (effluent characterization)
V.G	As required	Studies including dispersion analysis
V.H	Quarterly	Q/A performance audits of ambient monitoring network
V.H	Semi-annual	Q/A performance audits of meteorological monitoring network
V.I	Applicable	Ambient H ₂ S analyzer checks

- A. Every four years the permittee shall submit for approval, a detailed plan for testing the performance of each power plant and related facilities at normal full load operation. Normal full load operation is defined as operating the power plant at a minimum of 80% of the gross electricity generating capacity. The plan shall include, for each power plant, annual stack testing of the H₂S exit gas from the primary liquid redox H₂S treatment system, cooling tower drift, and condensate used for make up water. The GBUAPCD shall approve, disapprove or modify the plan within 60 days of receipt. (Authority: PTO Condition 3, District Rules 210 and 424.B)
- B. The permittee or a District-approved independent contractor shall submit a source test protocol at least 30 days before each annual performance test. The source test protocol shall describe the procedures and methods to be used during source testing.
- The permittee shall complete the performance testing within 60 days after District approval of the protocol. A complete performance test report shall be submitted to the District within 60 days from the date of the test. (Authority: District Rules 210 and 424.B)
- C. Every four years the permittee shall have performed by a reputable firm the chemical analysis for the appropriate elements, compounds, and substances listed as toxic, which may be emitted to the atmosphere. Toxic air emissions are those listed on the AB-2588 list of substances as required by the California Health & Safety Code. (Authority: CH&SC§ 44321)
- D. The permittee shall provide safe access to sample ports that enable representatives of the GBUAPCD or CARB to collect samples from the condensate or circulating water upstream of the cooling towers and cooling tower stacks. The permittee shall also provide for safe access to sample ports at the outlets of the control equipment at each of the facilities. (Authority: PTO Condition 10, District Rules 210 and 424.B)
- E. The permittee shall perform and report to the Air Pollution Control Officer (APCO) the following characterization of hot water, steam, particulate and/or gases emanating from the subject well within sixty (60) days after completion of the initial geothermal drilling and testing.

Required chemical analysis for all developmental and/or exploratory geothermal resources wells:

BRINE:

Ammonium (total)
 Arsenic*
 Benzene*
 Bicarbonate and carbonate
 Boron (total)*
 Bromides
 Cadmium*
 Chlorides*
 Chromium*
 Fluorides (total)
 Hydrogen sulfide (total)*
 Lead
 Mercury (total)*
 Nickel
 Nitrates
 Silica (quartz and glassy silicates)*
 Potassium
 Selenium
 Sodium
 Sulfates
 Zinc
 Asbestos*
 Ph*
 Total dissolved solids*
 Total suspended solids*
 Percent non-condensable*
 Mass flowrate & temperature*

CONDENSATE / GAS:

Ammonia*
 Arsenic*
 Benzene*
 Carbon dioxide
 Carbon Monoxide
 Hydrogen Sulfide*
 Methane
 Nitrogen
 Non Methane Hydrocarbons
 Mercury Vapor*
 Sulfur dioxide
 Radon 222 and daughters*
 Temperature
 Total dissolved solids

STEAM PARTICULATE

mg/Kg of steam
 >arsenic
 >asbestos
 >boron
 >cadmium
 >chromium
 >lead
 >nickel
 >total sulfur

NESHAPS or AB 2588

air pollutants as requested

Tests can be performed on the initial flow test, standby bleed, or during production. Gas phase test (non-condensable or dilute steam, as appropriate, to maintain gas phase and integrity of the sample) are to be performed if the bleed flow duration is expected to exceed 90 days. A test protocol shall also be submitted to the District for approval at least 30 days prior to actual source sampling. If the well is abandoned, the permittee shall submit to the District a chemical analysis and a copy of the Division of Oil and Gas Certificate of Abandonment. If the well is connected to the associated power plant within 90 days or not placed on sustaining bleed flow, the District may delay testing of those items without an (*) asterisk until circumstances dictate. This determination shall be at the Districts option and at the request of the permittee. (Authority: District Rules 210, 424.F, 424.H and CH&SC §§44340 - 44346)

- F. In the event that source testing of any geothermal well(s) is deemed necessary by the Great Basin Unified Air Pollution Control District, the permittee shall within fifteen (15) days submit to the District for approval the plan for performing the source testing. Such plan shall at a minimum specify the analytical method or technique, and the sampling frequency. The permittee shall be available (within ten days of written notice) to open said well(s) for source testing conducted by the District or its representatives (Authority: District Rules 424.F and 424.H).
- G. If the Great Basin Unified Air Pollution Control District determines that chemical or particulate analyses required by Condition VII.A indicates the need for further study, the permittee shall assist, perform, or finance such studies, including air dispersion analysis, as is deemed necessary and reasonable by the District (Authority: District Rules 210, 424.F and 424H).
- H. The permittee shall have a District-approved independent contractor perform quarterly quality assurance performance audits of the ambient air monitoring network, and semi-annual (every six months) audits of the meteorological monitoring network. One system audit, one data processing audit, and one audit of the laboratory processing the PM-10 filters shall be performed annually by a District-approved independent contractor. The permittee shall notify the District of the audit schedule at least 10 working days in advance of the date of the audit. Audit reports shall be submitted to the permittee and the District at the same time and within 30 days of the audit. (Authority: PTO Condition 31)
- I. The frequency of ambient H₂S analyzer checks shall be, at minimum, as follows:
1. Zero/span checks once per week;
 2. Precision checks once every two weeks (along with the weekly zero/span checks);
 3. Multipoint calibrations quarterly;
 4. Meteorological sensor calibrations shall be performed twice per year, at minimum.

Note: The quarterly quality assurance performance audits may not be used in place of any of the aforementioned analyzer or sensor checks. Instrument checks are not to be conducted during periods of high H₂S measurements. (Authority: PTO Condition 32)

- J. The permittee shall have personnel available for periodic audits conducted by the District or the California Air Resources Board. All facilities and monitoring records shall be made available to District personnel for inspection during normal business hours. (Authority: PTO Condition 33)

VI. RECORDKEEPING REQUIREMENTS

- A. As applicable, the permittee shall maintain the following general records of required monitoring information: (Authority: District Rule 217.VI.B.6)
1. Date, place as defined in the permit, and time of the sampling or measurements;
 2. Date(s) analyses were performed;
 3. Company or entity that performed the analysis;
 4. Analytical techniques of methods used;
 5. Results of such analysis;
 6. Operating conditions as existing at the time of sampling of measurement; and
- B. The permittee shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring, sample collection, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recording for continuous monitoring instrumentation, and copies of all reports required by the permit. All existing records required by the previous Air Quality Permit shall also be retained for five years from the date of the monitoring, sample collection, measurement, report, or application. (Authority: District Rule 217.VI.B.6)
- C. The permittee shall maintain the following specific records:

Table 6 Specific Records

Condition	Frequency	Record Requirement
IV.A.1	Continuous	CEMS H ₂ S concentration (ppbv), flowrate and calculated emission rate (lb/hr) at outlet of the primary H ₂ S control system at each power plant
IV.A.1 and V.B	Applicable	Activity records for continuous emission monitors (CEMS), including I & M (twice monthly), multi-point calibrations (semi-annual) and performance tests (annual)
IV.A.2	Continuous	H ₂ S concentration (ppbv), flowrate and calculated emission rate (lb/hr) at each well
IV.A.3	Event	Duration and total emissions (lbs or tons) of diversions of NC gases to the cooling tower or any other emission point
IV.A.4	Hourly	H ₂ S emission rate (lb/hr) of the Nash liquid ring vacuum pump and compressor gas removal system
IV.A.5	Daily	Inspection and maintenance records of visible emissions observations and dust abatement activities within the KGRA
IV.A.6	Daily	Diesel fuel use of each drilling rig (not to exceed 850 gal/day each)
IV.A.7	Event	Operating hours of each emergency generator (not to exceed 21 hr/day)
IV.B	Applicable	All records required under the APCO-approved RMP and WFEMS
IV.C.2	Continuous	As per the APCO-approved CAMP plan, wind speed, wind direction, sigma theta, ambient temperature, relative humidity, precipitation, PM-10, and H ₂ S
IV.C.2	Applicable per unit	Inspection and maintenance records for ambient and meteorological monitoring equipment
	Applicable per unit	Operation, inspection and maintenance records for all control systems
(Any limit)	Event	Exceedance of emissions limit or standard (see Notification Req.'s)

VII. REPORTING REQUIREMENTS

A. Submittals

The permittee shall submit the following information to the District to satisfy the applicable permit conditions:

Table 7-A Submittals

Condition	Time Frame	Submittal Requirement
II.B.7	Upon APCO request	Updated plan for controlling vented emissions if the District requires it
II.B.8	Within 90 days of 3rd episode	Updated plan for controlling vented emissions if 3 or more uncontrolled venting episodes with all 9 power plants in one year
II.E.1	Before activity	Plan for dust abatement for construction activity, cleared areas or dirt roads
IV.A.4	If chosen by permittee	Alternative method to estimate emissions from the Nash liquid ring vacuum pump and compressor gas removal system
V.A	Every 4 years	Testing plan for power plants
V.B	30 days before test	Source test protocol for annual performance test of H ₂ S CEMS
V.E	30 days before test	Characterization of hot water, steam, particulate and/or gases emanating from well after initial drilling (Well test)
V.E	Within 30 days after abandoned	If well is abandoned, a chemical analysis and Division of Oil and Gas Certificate of Abandonment
V.F	Within 15 days	Plan for well test if deemed necessary by the District
VIII.F	12 months before permit expiration	Application for Title V permit renewal

B. Notifications

The permittee shall notify the District with the following information to satisfy the applicable permit conditions:

Table 7-B Notifications

Condition	Time Frame	Notification Requirement
II.B.8	Within 1 hour	Vented emissions cannot be controlled within 15 minutes
III.A.3	Within 96 hours	Exceedance of 1.8 lb/hr (avg. H ₂ S/week) from Navy I Lo-Cat H ₂ S treatment system
III.B.3	Within 96 hours	Exceedance of 3.0 lb/hr (avg. H ₂ S/week) from Navy II 10 LTPD Lo-Cat H ₂ S treatment system
III.B.4	Within 96 hours	Exceedance of 3.7 lb/hr (avg. H ₂ S/week) from Navy II 5.77 LTPD Lo-Cat H ₂ S treatment system
III.C.3	Within 96 hours	Exceedance of 4.6 lb/hr (avg. H ₂ S/week) from BLME Dow SulFerox H ₂ S treatment system
III.C.4	Within 96 hours	Exceedance of 2.0 lb/hr (avg. H ₂ S/week) from BLMW Dow SulFerox H ₂ S treatment system
III.D.2	24 hours before	Change in well-venting status
IV.A.3	Within 1 hour	Venting of NC gas to cooling tower or other emission point
IV.C.4	Within 1 hour	Exceedance of ambient H ₂ S of 15 ppbv at Navy Entrance Gate
V.H	10 days before	Audit schedule for ambient air or meteorological monitors
VII.K	Within 1 hour	Breakdown of any CEM, ambient air or meteorological monitor
VIII.I	Within 1 hour	Detection of excess emissions

C. Reports

The permittee shall report to the District the following information to satisfy the applicable permit conditions:

Table 7-C Reports

Condition	Time Frame	Report Requirement
V.B	Within 60 days after test	Annual performance test reports for the CEMS on the H ₂ S treatment systems
V.H	Within 30 days after test	Quarterly quality assurance audits of ambient air monitors
V.H	Within 30 days after test	Semi-annual quality assurance audits of meteorological monitors
VII.E	By July 30	Semi-annual compliance report (1 copy each to District and EPA)
VII.F	By February 15	Annual compliance reports (1 copy each to District and EPA)
VII.H	2-10 days after deviation	Reports of deviations from permit requirements
VII.I	Upon discovery	Report of material errors or omissions
VII.J	By end of following month	Monthly monitoring reports
VIII.C	By February 15	Annual compliance certification

- D. All reports and documents submitted to the District pursuant to this permit shall include a written statement from the responsible official which states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. (Authority: District Rules 217.VI.B.7 and 217.VI.B.14.a)
- E. The permittee shall submit two (2) copies of a semi-annual compliance report, covering the period from January 1 to June 30, using District-approved forms, by July 30, unless otherwise approved in writing by the District. One copy of the report shall be submitted to the District and one copy to the U.S. EPA Region 9 office. The semi-annual monitoring report shall include the semi-annual compliance certification.
(Authority: District Rule 217.VI.B.7)
- F. The permittee shall submit two (2) copies of an annual compliance report, using District-approved forms, by February 15, unless otherwise approved in writing by the District. One copy of the report shall be submitted to the District and one copy to the U.S. EPA Region 9 office. (Authority: District Rule 217.VI.B.7)
- G. The semi-annual and annual reports shall include the following information:
1. Emission fee report (Annual only, see Condition VIII.H for details),
 2. Excess emissions upset log;
 3. Statement whether compliance was continuous or intermittent and

4. Identification of all deviations from permit requirements, including those previously reported to the APCO in accordance with Condition VII.H.
- H. Any deviation from permit requirements, including that attributable to upset conditions (as defined in District Rule 403 Breakdown), shall be promptly (within 2 to 10 days of the deviation) reported to the APCO. (Authority: District Rule 217.VI.B.7)
1. In the case of deviations due to upset or emergency conditions, no longer than the time frames provided for under the emergency provisions in Rule 217.VI.B.12.
 2. All reports of deviations from permit requirements shall include the probable cause of the deviation and any preventative or corrective action taken.
- I. The permittee shall promptly, upon discovery, report to the District a material error or omission in their records, reports, or other documents. (Authority: District Rule 217.VI.B.7)
- J. Monitoring data reports shall be submitted to the District within 30 days of the end of a calendar month, e.g. the first monthly data report, containing the July data, is to be submitted to the District by August 31. The District will comment on the report within 30 days of receipt. Data reports will contain data from the primary data acquisition systems (data loggers), including two copies of a complete hard copy report and, in addition, the data tables submitted in a Microsoft Excel format or an electronic media format as specified by the District. The data reports will also include the backup strip charts for the gas analyzer data, as well as all calibration and maintenance records, including raw data forms, for the monitoring period. (Authority: PTO Condition 34)
- K. The permittee shall notify the District within one (1) hour of detection of any breakdown of a continuous emission monitor, ambient air monitor, or meteorological equipment. (Authority: PTO Condition 38, District Rule 403)

Addresses of the regulatory agencies, unless otherwise instructed, are the following:

Great Basin UAPCD
157 Short St., Suite 6
Bishop, CA 93514

U.S. EPA Region 9
Air Division (Air-3)
75 Hawthorne Street
San Francisco, CA 94105-3901

VIII. GENERAL CONDITIONS

A. Compliance Plan

(Authority: District Rules 217.VI.B.8 and 217.VI.B.9)

1. The permittee shall continue to comply with those permit conditions with which it is in compliance.
2. For applicable requirements that become effective during the permit term, the source shall meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement.

B. Compliance with Permit Conditions

(Authority: District Rule 217.VI.B.11)

1. The permittee shall comply with all conditions of the federal operating permit. Any noncompliance with a permit condition which constitutes a violation of the Federal Clean Air Act and/or District rule is grounds for either: enforcement action; or permit termination, revocation and re-issuance; or permit modification; or denial of a permit renewal application.
2. This permit does not convey property rights or exclusive privilege of any sort.
3. The permittee shall not use the "need to halt or reduce a permitted activity in order to maintain compliance" as a defense for noncompliance with any permit condition.
4. A pending permit action or notification of anticipated noncompliance does not stay any permit condition.
5. Within a reasonable time period, the permittee shall furnish any information requested by the APCO, in writing, for the purpose of determining:
 - a. Compliance with the permit, or
 - b. Whether cause exists for a permit or enforcement action.

C. Compliance Certification

(Authority: District Rule 217.VI.B.14, deadline made to correspond to that stipulated for annual monitoring reports in District Rule 217.VI.B.7)

The responsible official shall submit an annual compliance certification to the U.S. EPA and the District by February 15, or at more frequent periods if specified in the applicable requirement or by the permitting authority, and shall contain:

1. The basis for each permit term or condition (e.g., specify the emissions limitation, standard, or work practice) and a means of monitoring the

compliance status and method(s) used to determine compliance for the current time period and over the entire reporting period; and

2. Any additional inspection, monitoring, or entry requirement that may be promulgated pursuant to sections 114(a) and 504(b) of the CAA.

D. Right of Entry
(Authority: District Rule 217.VI.B.10)

Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Air Pollution Control Officer, the Executive Officer of the California Air Resources Board, Regional Administrator of the United States Environmental Protection Agency, or their authorized representatives to enter the premises:

1. To inspect the stationary source, including equipment, work practices, operations, and emission-related activity; and
2. To have access to and copy, at reasonable times, any records that must be kept under conditions of the Title V Permit to Operate;
3. To sample substances or monitor emissions from the source or other parameters to assure compliance with the applicable requirements of the Title V Permit to Operate. Monitoring of emissions can include source testing.

E. Emergency Provisions
(Authority: District Rule 217.VI.B.12)

1. The responsible official 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 mitigating or corrective actions taken;
2. In any enforcement proceeding, the permittee has the burden of proof for establishing that an emergency occurred; and
3. In addition to the emergency provisions above, the permittee shall comply with the emergency or upset provisions contained in all applicable federal requirements and District requirements.

F. Severability Clause
(Authority: District Rule 217.VI.B.13)

Upon any administrative or judicial challenge, all the emission limits, specific and general conditions, monitoring, recordkeeping, and reporting requirements of this permit to operate, except those being challenged, remain valid and shall be complied with.

G. Permit Life
(Authority: District Rule 217.VI.B.15)

This Permit to Operate shall become invalid five years after from the date of issuance unless a timely and complete renewal application is submitted to the District. Applications for renewal shall be submitted at least 12 months before the expiration of this permit, unless the District requests an earlier submittal. If more than 12 months is required to process a permit renewal application, the District shall provide no less than six (6) months for the owner or operator to prepare an application. Provided the permittee submits a timely and complete renewal application, this permit to operate shall remain in effect until the APCO issues or denies the renewal application.

H. Fee Payment
(Authority: District Rules 217.VII.B and 300.D)

1. The District has determined that Coso Operating Company LLC's District Regulation III and California Toxic Hot Spots (AB-2588) annual fees are higher than the Title V supplemental annual fee. Therefore, at this time, there is no Title V Supplemental Annual Fee for this facility. If at any time before the expiration of this permit the Title V Supplemental Annual Fee is determined to be greater than the District Regulation III and AB-2588 annual fees, it shall become the applicable annual fee amount.
2. The permittee shall provide to the District in the annual compliance report sufficient information, in accordance with the methodology in District Rule 217.VII.C, to determine the Title V supplemental and AB-2588 annual fees. (Authority: PTO Condition 19, District Rule 217.VII.D, 40 CFR 70 §70.10)
3. If the applicable annual fee is not paid within 60 days after receipt of the invoice, the District shall increase the fee by one half the annual fee amount and shall notify the permittee by mail of the increased fee. If the increased fee is not paid within 30 days after notice, the permit shall be cancelled and the permittee shall be notified by mail. Operating 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.

I. Excess Emissions Reporting

(Authority: District Rules 217 and 403)

The permittee shall immediately (i.e., as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator can demonstrate that a longer period is necessary) notify the District by telephone or in person of any excess emissions, other than pre-approved start-up, shutdown, or scheduled maintenance. Notification shall, to the extent reasonably ascertainable at the time of notification, include the source name, nature of the emissions problem, name of the person making the report, name and telephone number of the contact person for further information, date and time of the onset of the upset condition, whether or not the incident was planned, the cause of the excess emission (e.g., startup, shutdown, maintenance, breakdown, or other), equipment involved in the upset, estimated type and quality of excess emissions, estimated time of return to normal operating conditions.

J. Permit Reopening for Cause

(Authority: District Rule 217.V.H)

The APCO shall reopen and revise a permit to operate during the annual review period required by section 42301(c) of the CH&SC, or petition the District hearing board to do so pursuant to section 42307 of the CH&SC, whichever is applicable, prior to its expiration date upon discovery of cause for reopening or upon notification of cause for reopening by the U.S. EPA, or within 18 months of promulgation of a new applicable federal requirement. The APCO shall act only on those parts of the permit for which cause to reopen exists.

K. Permit Availability

(Authority: District Rule 200.D)

The permittee shall have available at the facility at all times a copy of the Great Basin Unified Air Pollution Control District Title V Operating Permit and shall provide a copy of the permit to the District or an authorized representative upon request.

L. Significant Permit Modifications

(Authority: District Rule 217.IV.B.3)

The responsible official shall submit an application for a significant permit modification.

M. Construction/Operation Modification

(Authority: District Rule 200.A)

No permittee shall construct or make modifications without receiving an Authority to Construct.