

**PETITION FOR VARIANCE
BEFORE THE HEARING BOARD OF THE
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

CITY OF GLENDALE, GLENDALE WATER AND POWER

CASE NO: _____

Grayson Power Plant

FACILITY ID: 800327

FACILITY ADDRESS: 800 Air Way

[location of equipment/site of violation; specify business/corporate address, if different, under Item 2, below]

City, State, Zip: Glendale, CA 91207

1. TYPE OF VARIANCE REQUESTED (more than one box may be checked; see Attachment A, Item 1, before selecting)

INTERIM SHORT REGULAR EMERGENCY EX PARTE EMERGENCY

2. CONTACT: Name, title, company (if different than Petitioner), address, and phone number of persons authorized to receive notices regarding this Petition (no more than two authorized persons).

Karl Lany, Principal

Wendy Wang, Partner

Onterris

Best Best & Krieger

1631 E. St. Andrew Pl.

300 South Grand Avenue, 25th Floor

Santa Ana, CA Zip 92705

Los Angeles, CA Zip 90071

☎ (714)376-6531 Ext.

☎ (213) 787-2554 Ext.

Fax ()

Fax ()

E-mail klany@onterris.com

E-mail wendy.wang@bbklaw.com

3. RECLAIM Permit No Title V Permit Yes

Persons with disabilities may request this document in an alternative format by contacting the Clerk of the Board at 909-396-2500 or by e-mail at clerkofboard@aqmd.gov.

If you require disability-related accommodations to facilitate participating in the hearing, contact the Clerk of the Board at least five (5) calendar days prior to the hearing.

[ALL DOCUMENTS FILED WITH CLERK'S OFFICE BECOME PUBLIC RECORD]

4. **GOOD CAUSE:** Explain why your petition was not filed in sufficient time to issue the required public notice. (Required only for Emergency and Interim Variances; see Attachment A, Item 4)

NA

5. Briefly describe the type of business and processes at your facility.

The Grayson Power Plant is a municipal electricity generation station that serves the City of Glendale, California. It is operated by Glendale Water and Power (GWP), a department of the City of Glendale. The local power plant supports GWP's robust portfolio of renewable power by providing critical peaking power during key periods. Electricity from the plant is distributed to residents and businesses within the City of Glendale.

6. List the equipment and/or activity(s) that are the subject of this petition (see Attachment A, Item 6, Example #1). **Attach copies of the Permit(s) to Construct and/or Permit(s) to Operate for the subject equipment. For RECLAIM or Title V facilities, attach *only* the relevant sections of the Facility Permit showing the equipment or process and conditions that are subject to this petition. You must bring the entire Facility Permit to the hearing.**

Equipment/Activity	Application/Permit No.	RECLAIM Device No.	Date Application/Plan Denied (if relevant)*
Engine #11 – Wartsila Lean Burn Internal Combustion Engine, 161 MMBtu/hr. serving an 18.8 MW generator*	621976	D103	NA
Engine #12 – Wartsila Lean Burn Internal Combustion Engine, 161 MMBtu/hr. serving an 18.8 MW generator*	621977	D108	NA
Engine #13 – Wartsila Lean Burn Internal Combustion Engine, 161 MMBtu/hr. serving an 18.8 MW generator*	621978	D113	NA
*True and correct copies of Permit Nos. 621976, 621977, and 621978 are attached hereto as Exhibit A			

*Attach copy of denial letter

7. Briefly describe the activity or equipment, and why it is necessary to the operation of your business. A schematic or diagram may be attached, in addition to the descriptive text.

The subject engines are now being constructed pursuant to SCAQMD permit and are scheduled to enter commissioning operations in late June and July of 2026. Condition 63.7 of the construction permit limits emissions of criteria pollutants on a monthly basis as a result of Rule 1303 (b)(2) – offsets, and 1313(g) – Monthly limits.

During commissioning operations, engines must be operated for a period of time without NOx and CO catalyst membranes being loaded to prevent damage to them due to oils and contaminants that are common with new engine manufacturing. Even once the catalysts are installed, the engines and emission control systems undergo tuning operations. While these operations may result in excess emissions in the short run, they are necessary to ensure the long-term compliance of the system. Commissioning operations such as those planned for GWP are prudent and common in the industry.

In this case, what is uncommon is the size of the engines. The subject engines serve 18.8 MW generators. This is the first installation of reciprocating engine-driven generators of this size to meet SCAQMD BACT and Rule 21110.2 standards. While most prime power natural gas engines permitted by SCAQMD serve generators in the 200kw – 1MW range.

8. Is there a regular maintenance and/or inspection schedule for this equipment? Yes No

If yes, how often: _____ Date of last maintenance and/or inspection _____

Describe the maintenance and/or inspection that was performed.

While there is a standard maintenance program for the equipment, GWP is still in the construction phase. There are standards for commissioning, however, and the attached commissioning schedule reflects what is recommended by Wartsila, design and manufacturer of these engines.

9. List all District rules, and/or permit conditions [indicating the specific section(s) and subsection(s)] from which you are seeking variance relief (if requesting variance from Rule 401 or permit condition, see Attachment A). Briefly explain how you are or will be in violation of each rule or condition (see Attachment A, Item 9, Example #2).

Rule	Explanation
Rule 203 (b)	Rule specifies that operations must occur in compliance with operating permit conditions. The permit to construct serves as the operating permit.
Permit Condition 63.7	Permit condition specifies monthly CO and NOx emission limits for each engine (620 lbs./month for NOx and 1100 lbs./month for CO).
Permit Condition E193.10	Permit Condition specifies that commissioning operations are subject to Permit Condition 63.7.

10. Are the equipment or activities subject to this request currently under variance coverage? No

Case No.	Date of Action	Final Compliance Date	Explanation
NA			
NA			

11. Are any other equipment or activities at this location currently (or within the last six months) under variance coverage? Yes

Case No.	Date of Action	Final Compliance Date	Explanation
3478-27	Feb. 13, 2026	February 24, 2026	Gas Turbine #9, D58 required tuning and the operation resulted in excess NOx emissions for a brief period.

12. Were you issued any Notice(s) of Violation or Notice(s) to Comply concerning this equipment or activity within the past year? No

If yes, you must attach a copy of each notice.

13. Have you received any complaints from the public regarding the operation of the subject equipment or activity within the last six months? No

If yes, you should be prepared to present details at the hearing.

14. Explain why it is beyond your reasonable control to comply with the rule(s) and/or permit condition(s). Provide specific event(s) and date(s) of occurrence(s), if applicable.

Compliance during the commissioning operations would unreasonably burden a municipal electric utility's ability to provide reliable public service during peak demand, while requiring permanent offsets or delay for a short, temporary commissioning exceedance that are unlikely to create any nuisance or health and safety concerns.

Commissioning operations are standard practice and necessary and involve a short period of operations in which emission control catalysts are not loaded. One of the goals of the commissioning process is to burn off oil residue and other contaminants in the engines that may still be in the engines from the manufacturing process. This initial burn-off period is necessary to protect the emission control catalysts, which can be damaged during this process and would become less effective in controlling air emissions during normal operations. Additionally, commissioning involves tuning the engines and ammonia dosing systems to ensure compliance during normal operations. The tuning process requires wide engine load swings and iterative adjustments to the emission control system that also leads to periods during which excess emissions occur.

Because there are no specific provisions for commissioning operations in the permit relative to the monthly limits for NOx and CO emissions, and because the limits are applied on a per-engine basis, rather than an aggregated basis for the three engines, the necessary commissioning operations inevitably lead to temporary non-compliant operations.

The commissioning schedule is designed to occur over a six-week period as recommended by the engine manufacturer, Wartsila. Commissioning under his schedule is expected to lead to 5-9 days of operation after which at least one engine would exceed the 620 lb. monthly NOx limit and 1100 lb. monthly CO limit, depending upon when in the month commissioning is initiated.

GWP considered many options to comply with the rules and permit conditions prior to applying for the variance. However, none of the options would protect the emission control catalyst, reduce air contaminants, or protect public health and safety by ensuring delivery of necessary electricity during peak season.

GWP and Wartsila considered an extended eight-week commissioning process. While the extended schedule would delay the point at which the monthly NOx and/or CO limit is first exceeded, and therefore result in fewer subsequent operating days during which cumulative monthly emissions remain above the monthly limits, it would still result in some noncompliance, depending upon when in the month commissioning is initiated. The extended commissioning schedule also results in higher costs to GWP. The commissioning process requires approximately 18 engineers and technicians representing four servicing companies, plus GWP oversight and infrastructure rental to implement. GWP estimates the cost for each day of extended operation to be \$45,000 per day. Additionally, during the extended commissioning period, the team would not be fully utilized during workdays, leading to additional costs of idle workers. The extended commissioning schedule would not result in lower emissions. It simply spreads fixed emissions over an eight-week period, rather than a six-week period, resulting in no corresponding benefit in reducing air contaminants.

GWP also considered delaying the start of commissioning to more effectively bridge multiple monthly compliance periods, but doing so creates additional risks and costs. Because of project delays that have already occurred, there will be little time between the commissioning operation and the peak summer season when the engines are most needed. Delays in commissioning either due to an extended schedule or delaying the operation to bridge compliance months could make the engines unavailable during the peak season.

GWP also considered the option of modifying its permit, but that too is infeasible for two reasons. First, permit processing times would not meet scheduling needs. Based on the current project schedule, the time required for South Coast AQMD to process a permit modification would not allow GWP to complete commissioning and place the engines in service when they are needed for summer reliability.

Second, SCAQMD would require emission offsets for NOx. Unlike most large power producers that are subject to RECLAIM NSR, GWP is subject to Regulation XIII NSR. Regulation XIII NOx ERCs are designed for perpetual use and priced accordingly at approximately \$90,000 per pound. Offsetting through Regulation XIII would force GWP to offset into perpetuity for a cost of approximately \$3.5 million, based upon market trend reports provided by Clear Energy Brokerage (an average increase of 32.13 pounds per day over a one-

month period x 1.2 offset ratio x \$90,000). Requiring a municipal utility to obtain permanent NOx ERCs, and permanently reduce the offset pool available in the South Coast Air Basin, to address an approximately five to nine day commissioning exceedance would impose an unreasonable burden on GWP's provision of public electric service and would provide little or no corresponding long-term benefit in reducing air contaminants.

15. When and how did you first become aware that you would not be in compliance with the rule(s) and/or permit condition(s)? Provide specific event(s) and date(s) of occurrence(s).

GWP is currently in compliance with AQMD rules and permits. GWP anticipates it will be in noncompliance in July starting in the third week of the commissioning schedule. (See, Exhibit B.)

GWP recently learned that noncompliance was likely, and has been working with Wartsila to consider the alternative commissioning schedules to avoid noncompliance GWP received the latest commissioning schedule in April 2026. Upon realizing that alternative commissioning schedules could endanger GWP's ability to protect public health and safety by ensuring necessary electricity to meeting peak demands during the summer months, GWP retained counsel and proceed with the variance.

16. List date(s) and action(s) you have taken since that time to achieve compliance. That the Petition Form HB-V, and any related instructions, include requirement that the Petitioner include a timeline in suitable, chronological format to address the events, dates, and actions called for by Questions 15 and 16, including the dates of communication with the South Coast AQMD to notify them of the occurrence(s) giving rise to the requested variance.

GWP is currently in compliance with AQMD rules and permits.

17. What would be the harm to your business during **and/or after** the period of the variance if the variance were not granted?

Economic losses: \$3.5 Million for offsets, plus \$45,000 per day for 10-12 days in labor costs, plus potential electricity market price premiums

Number of employees laid off (if any):NA

Provide detailed information regarding economic losses, if any, (anticipated business closure, breach of contracts, hardship on customers, layoffs, and/or similar impacts).

Labor

resource	work duration	daily estimate (\$)
Site Manager	full time	\$2,857
Commissioning Manager	full time	\$2,857
Electrical 1	full time	\$2,857
Electrical 2	full time	\$2,857
Electrical 3	full time	\$2,857
Mechanical 1	full time	\$2,857
Mechanical 2	full time	\$2,857
Mechanical 3	full time	\$2,857
UNIC (engine automation)	full time	\$2,857
PLC (plant automation) 1	full time	\$2,857
PLC (plant automation) 2	part time	\$0
CEMS 1	part time	\$2,857
Emissions 1	part time	\$2,857
Emissions 2	part time	\$2,857
Noise 1	part time	\$2,857
Engine 1	part time	\$0
SCR	part time	\$2,857
Grid code	part time	\$0
Infrastructure / Rentals		\$2,150
SUM		\$45,000

Data provided by City's Contract Project Engineer

Offsets

An average increase of 32.13 pounds per day over a one-month period x 1.2 offset ratio x \$90,000 = approx.\$3.5 Million. Data provided by Clear Energy Brokerage

18. Can you curtail or terminate operations in lieu of, or in addition to, obtaining a variance? Please explain.

The commissioning operation is a standard process that prevents damage to the emissions control system and ensures ongoing long-term compliance. Commissioning cannot be curtailed. As clarified in Section 14 of this petition, GWP considered alternative commissioning schedules, but they result in unreasonable costs to the City of Glendale. More importantly, alternative schedules create a risk of the electrical generating equipment not being available to support the residents and businesses within the City of Glendale in the peak summer months when electricity is most likely to be needed.

19. Estimate excess emissions, if any, on a daily basis, including, if applicable, excess opacity (the percentage of total opacity above 20% during the variance period). If the variance will result in no excess emissions, insert "N/A" here and skip to No. 20.

Pollutant	(A)	(B)	(C)*
	Total Estimated Excess Emissions (lbs./day)	Reduction Due to Mitigation (lbs./day)	Net Emissions After Mitigation (lbs./day)
NOx	32.13 pounds (30-day average)	0	32.13 pounds (30-day average)
CO	42.9 pounds (30-day average)	0	42.9 pounds (30-day average)

* Column A minus Column B = Column C

Excess Opacity: NA %

20. Show calculations used to estimate quantities in No. 19, **or** explain why there will be no excess emissions.

Please refer to attached spreadsheet showing commissioning schedule and emissions for details. (See, Exhibit B.)

NOx (2824 pounds aggregated monthly emissions – 1860 pounds aggregated Rule 1302 limit) / 30 days per month = 32.13 pounds 30-day average

CO (4587 pounds aggregated monthly emissions – 3300 pounds aggregated Rule 1302 limit) / 30 days per month = 42.9 pounds 30-day average

21. Explain how you plan to reduce (mitigate) excess emissions during the variance period to the maximum extent feasible, or why reductions are not feasible.

GWP will follow the shortest manufacturer-approved commissioning sequence, minimize operation before catalysts are loaded, install catalysts as soon as technically feasible, tune the engines and ammonia dosing systems promptly, avoid nonessential operation, use Continuous Emissions Monitoring System (CEMS) data to track daily and monthly emissions, and adjust sequencing where feasible to minimize monthly exceedances. Together, these efforts will reduce monthly emissions to the maximum extent feasible during the six-week commissioning period, while remaining bound by standard commission practices and the need for the engines to be available for operation by August of 2026.

22. How do you plan to monitor or quantify emission levels from the equipment or activity(s) during the variance period, and to make such records available to the District? **Any proposed monitoring does not relieve RECLAIM facilities from applicable missing data requirements.**

Both NOx and CO emissions will be monitored by a Continuous Emissions Monitoring System (CEMS) that will be operational during the commissioning period.

23. How do you intend to achieve compliance with the rule(s) and/or permit condition(s)? Include a detailed description of any equipment to be installed, modifications or process changes to be made, permit conditions to be amended, etc., dates by which the actions will be completed, and an estimate of total costs.

The expected noncompliance period is expected to be 5-9 days. Compliance will be achieved upon either the transition to a new calendar month, or completion of the commissioning exercise.

24. State the date you are requesting the variance to begin: July 1, 2026; and the date by which you expect to achieve final compliance: July 30, 2026

If the regular variance is to extend beyond one year, you **must** include a **Schedule of Increments of Progress**, specifying dates or time increments for steps needed to achieve compliance. See District Rule 102 for definition of Increments of Progress (see Attachment A, Item 24, Example #3).

List Increments of Progress here:

1. Notify SCAQMD of startup of the engines
2. Notify SCAQMD when commissioning commences
3. Notify SCAQMD of completion of commissioning process and transition to emissions testing operations.
4. Provide SCAQMD with monthly summaries of daily and accumulated monthly CO and NOx emissions

25. List the names of any District personnel with whom facility representatives have had contact concerning this variance petition or any related Notice of Violation or Notice to Comply.

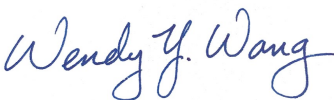
N/A Ext. _____
_____ Ext. _____

26. If the petition was completed by someone other than the petitioner, please provide their name and title below.

<u>Wendy Wang</u>	<u>Best Best & Kriger</u>	<u>Partner</u>
Name	Company	Title

The undersigned, under penalty of perjury, states that the above petition, including attachments and the items therein set forth, is true and correct.

Executed on May 15, 2026, at Los Angeles, California


Signature

Wendy Wang
Print Name

Title: Partner

THIS SECTION IS FOR SMALL BUSINESSES ONLY

27. **SMALL BUSINESS ELIGIBILITY and TABLE III SCHEDULE A FEES: To be eligible for reduced fees for small businesses, individuals, or entities meeting small business gross receipts criterion [see District Rule 303(h)], you must complete the following:**

Declaration For Reduced Fee Eligibility

1. The petitioner is
- a) an individual, or
 - b) an officer, partner or owner of the petitioner herein, or a duly authorized agent of the petitioner authorized to make the representations set forth herein.

If you selected 1a, above, skip item 2.

2. The petitioner is
- a) a business that meets the following definition of Small Business as set forth in District Rule 102:
SMALL BUSINESS means a business which is independently owned and operated and meets the following criteria, or if affiliated with another concern, the combined activities of both concerns shall meet these criteria:
 - (a) the number of employees is 10 or less; **AND**
 - (b) the total gross annual receipts are \$500,000 or less **or**
 - (iii) the facility is a not-for-profit training center.

-OR-

- b) an entity with total gross annual receipts of \$500,000 or less.
3. Therefore, I believe the petitioner qualifies for reduced fees for purpose of filing fees and excess emission fee calculations, in accordance with Rule 303(h).

I declare under penalty of perjury that the foregoing is true and correct.

Executed on _____, at _____, California

Signature

Print Name

Title

ATTACHMENT A

ITEM 1

Type of Variance Requested:

- (a) **SHORT:** If compliance with District rule(s) can be achieved in **90 days or less**, request a short variance. *(Hearing will be held approximately 21 days from date of filing--10-day posted notice required.)*
- (b) **REGULAR:** If compliance with District rule(s) will take **more than 90 days**, request a regular variance. If the variance request will extend beyond one year, you **must** include a specific detailed schedule of increments of progress [see Page 8, No. 24] under which you will achieve final compliance. *(Hearing will be held approximately 45 days from date of filing--30-day published notice required.)*
- (c) **EMERGENCY:** If non-compliance is the result of an unforeseen emergency, such as a sudden equipment breakdown, power failure, or accidental fire, you may request an emergency variance. You may request an *ex parte* emergency variance in addition to an emergency variance. **An emergency variance cannot be granted for more than 30 days.** *(Hearing will be held within 2 working days from the date of filing, whenever possible, excluding Mondays, weekends, and holidays.) If you request an emergency variance, you must answer No. 4 on page 1.*

- (d) **EX PARTE EMERGENCY:** If variance coverage is required on a weekend or when the Board is not in session, and you cannot wait until an emergency variance hearing can be held, you may request an *ex parte* emergency variance. An *ex parte* emergency variance will be granted or denied solely on the information contained in the petition and the District's response to the petition. Under most circumstances, an *ex parte* emergency variance will remain in effect only until a hearing can be held. **If you request an *ex parte* variance, you must answer No. 4 on page 1.**
- (e) **INTERIM:** If you require immediate relief (other than for emergencies) to cover the time until a short or regular variance hearing can be held, request an interim variance. If you request an interim variance, you must also request a short or a regular variance on the same petition. (*Hearing will be held approximately 2 working days from date of filing, whenever possible, excluding Mondays, weekends and holidays.*) **If you request an interim variance, you must answer No. 4 on page 1.**

(Petition for Variance: Revised February 22, 2011)

English	<i>"If you require a language interpreter in order to participate in the hearing, contact the Clerk of the Board at least five (5) calendar days before your hearing at 909-396-2500 or by e-mail at clerkofboard@aqmd.gov. Specify the case name and number, hearing date, and the language for which you are requesting an interpreter."</i>
Farsi	"اگر برای شرکت در جلسه استماع به مترجم نیاز دارید، حد اقل پنج (5) روز تقویمی قبل از جلسه استماع، با منشی هیئت توسط شماره تلفن 909-396-2500 یا بوسیله نامه الکترونیکی با نشانی clerkofboard@aqmd.gov تماس بگیرید. نام پرونده و شماره آن، تاریخ جلسه استماع و زبانی را که برای آن مترجم درخواست کرده اید، مشخص کنید"
Arabic	"إذا كنت في حاجة لمترجم من أجل المشاركة في جلسة الاستماع، اتصل بكتاب المحكمة قبل موعد جلسة الاستماع بخمسة (5) أيام على هاتف 2500-396-909. حدد اسم ورقم القضية و تاريخ الاستماع واللغة التي تريد في clerkofboard@aqmd.gov 396-909 أو بالبريد الإلكتروني على مترجم لها."
Armenian	"Ռեկվիրոյթը մասնակցելու համար, եթե թարգմանչի կարիքն ունենար, ցածրագույն 5 օր առաջ կապվեք հաճախարարի բարոտղարի հետ, 909-396-2500 հեռախոսահամարով կամ էլեկտրոնային փոստով clerkofboard@aqmd.gov : Նշեք գործի անունն և համարը, ռեկվիրոյթան թվականը, և լեզուն, որի համար թարգմանչի էք ցանկանում"
Vietnamese	"Nếu quý vị cần Thông Dịch Viên cho buổi điều trần, xin vui lòng điện-thoại cho Thư Ký Hội Đồng tại số 909-396-2500 trễ nhất là năm [5] ngày, không tính hai ngày Thứ Bảy và Chủ Nhật, trước buổi điều trần hoặc gửi điện thư đến clerkofboard@aqmd.gov . Nhớ ghi rõ tên và số hồ sơ, ngày điều trần, và ngôn ngữ quý vị cần có người để thông dịch."
Chinese	如果你要求翻譯來協助你參加聽證會，請在你的聽證會前至少提前五天（5個日曆日）打電話到909-396-2500或發電子郵件到 clerkofboard@aqmd.gov 與局裏的辦事人員聯絡。並且明確說明你的案子的名稱和號碼，聽證日期，以及你要求的翻譯的語種。
Japanese	公聴会（ヒアリング）に参加するために通訳が必要な場合、少なくとも5日前までに事務局（Clerk of the Board）にご連絡ください。電話でのご連絡は909-396-2500、E-メールでのご連絡は clerkofboard@aqmd.gov . までお願いします。その際、案件名（case name）と案件番号（case number）、ヒアリングの日付、通訳が必要な言語を特定して下さい。
Korean	"만약 귀하나 귀하의 증인들이 심리에 참여하기 위해 통역사가 필요하시면, 심리일 5일 전까지 기관부서의 서기에게 909-396-2500으로 연락하시거나, clerkofboard@aqmd.gov 로 연락 하십시오. 통역이 필요하신 사건의 이름, 심리날짜, 그리고 언어를 정확하게 말씀해 주십시오."
Spanish	Si usted requiere un intérprete para poder participar en la audiencia, favor de comunicarse con el Secretario de la Junta cuando menos cinco (5) días hábiles antes de su audiencia al teléfono (909) 396-2500 ó por correo electrónico al clerkofboard@aqmd.gov . Especifique el nombre y el número de su causa, la fecha de la audiencia y el idioma del cual está solicitando el intérprete.
Tagalog	"Kung kailangan ninyong mag-interpretar sa Pilipino para makasali kayo sa pagdinig sa kaso, tumawag lang kayo sa Clerk of the Board sa numero 909-396-2500 or kung hindi mag-email kayo sa email clerkofboard@aqmd.gov . Kailangan na tumawag kayo sa loob nang limang araw (5 days) bago ang inyong hearing date at ibigay and inyong pangalan at case number, araw nang inyong pagdinig sa kaso at inyong gusto na may lengguage na interpreter".
Thai	หากคุณต้องการล่ามในการขึ้นศาล ให้ติดต่อเจ้าหน้าที่ ส่งหน้าอย่างน้อย 5 วันก่อนวันขึ้นศาล โดยติดต่อที่เบอร์โทร 909-396-2500 หรือโดย e-mail ที่ clerkofboard@aqmd.gov ให้บอกชื่อและหมายเลขของคดี พร้อมทั้งวันเวลาในการขึ้นศาล และระบุภาษาที่คุณต้องการล่าม

EXHIBIT A



South Coast Air Quality Management District



21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

December 16, 2025

Scott Mellon
Assistant General Manager
Glendale City Water and Power
141 N. Glendale Avenue, 4th Level
Glendale, CA 91206

SUBJECT: Title V Permit Revision, Rev. 14
Glendale Grayson Power Plant, Facility ID 800327

Dear Mr. Mellon:

Please find enclosed your Title V Permit renewal for equipment located at 800 Air Way, Glendale, CA 91201. The Title V permit renewal (A/N 653094) was submitted to the U.S. EPA on October 10, 2025, for their 45-day review concurrent with a 30-day public notice published on October 16, 2025. No comments from U.S. EPA or the public were received. The Title V permit renewal is issued for a new five (5) year term beginning on December 16, 2025, and ending on December 15, 2030.

Note the Title V permit has included the following permit revisions approved under a separate Title V application A/N 641479.

Appl. No.	Equipment	Device ID	Permit Type
641480	SCR for Gas Turbine (GT) #9	C61	Permit to Construct/Permit to Operate
641481	GT #9	D58	Permit to Construct/Permit to Operate

The enclosed Title V permit renewal replaces in its entirety your exiting Title V permit. Please review all sections of your Title V renewal permit carefully and make sure that you comply with all requirements including, but not limited to, the monitoring, recordkeeping, and reporting requirements (i.e. semi-annual monitoring report, annual compliance certification report, etc.) specified in this Title V permit.

Thank you for providing the necessary information that allowed the South Coast AQMD to complete the evaluation of your facility with respect to the federal Title V requirements. If you determine there are administrative errors or if you have questions concerning your Title V permit, please contact Mr. Sean Fergus at (909) 396-3056 or sfergus@aqmd.gov.

Sincerely,

Shannon Lee

Shannon Lee, P.E.
Senior Air Quality Engineering Manager
Engineering and Permitting
Mechanical/Chemical/Energy

SL:LC:OT:sf:ca

Enclosure: Title V Facility Permit

cc: Mr. Gerardo Rios, U.S. EPA Region IX
South Coast AQMD Compliance
Permit File, A/Ns 653094, 641479, 641480, 641481





South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

Title Page
Facility ID: 800327
Revision #: 14
Date: December 16, 2025

FACILITY PERMIT TO OPERATE

GLENDALE CITY, GLENDALE WATER & POWER
800 AIR WAY
GLENDALE, CA 91201

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Wayne Nastri
Executive Officer

By Jason Aspell for
Jason Aspell
Deputy Executive Officer
Engineering and Permitting



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

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**FACILITY PERMIT TO OPERATE
GLENDALE CITY, GLENDALE WATER & POWER**

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: GLENDALE CITY, GLENDALE WATER & POWER

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 800 AIR WAY
GLENDALE, CA 91201

MAILING ADDRESS: 141 N. GLENDALE AVE 4TH LEVEL
GLENDALE, CA 91206

RESPONSIBLE OFFICIAL: MARK YOUNG

TITLE: GENERAL MANAGER - WATER & POWER

TELEPHONE NUMBER: (818) 548-3293

CONTACT PERSON: SCOTT MELLON

TITLE: ASSISTANT GENERAL MANAGER/POWER
MANAGMNT

TELEPHONE NUMBER: (818) 550-4550

TITLE V PERMIT ISSUED: December 16, 2025

TITLE V PERMIT EXPIRATION DATE: December 15, 2030

TITLE V	RECLAIM
YES	NOx: YES SOx: NO CYCLE: 0 ZONE: COASTAL



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

Section B	Page: 1
Facility ID:	800327
Revision #:	4
Date:	December 16, 2025

**FACILITY PERMIT TO OPERATE
GLENDALE CITY, GLENDALE WATER & POWER**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

NOT APPLICABLE



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

Section C	Page: 1
Facility ID:	800327
Revision #:	4
Date:	December 16, 2025

FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: GAS TURBINE GENERATORS					
System 1: TURBINES					
GAS TURBINE, #9, NATURAL GAS, GENERAL ELECTRIC, MODEL LM6000 SPRINT, WITH WATER INJECTION, 470 MMBTU/HR WITH A/N: 641481	D58	C60		CO: 6 PPMV (4) [RULE 1303(a) (1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 2.5 PPMV (4) [RULE 1135, 7-19-1991; RULE 1135, 10-4-2024; RULE 1303(a) (1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 108 PPMV NATURAL GAS (8A) [40CFR 60 Subpart GG, 2-27-2014]; PM: 0.01 GRAINS/SCF (5B) [RULE 475, 10-8-1976; RULE 475, 8-7-1978]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM: 11 LBS/HR (5A) [RULE 475, 10-8-1976; RULE 475, 8-7-1978]; SO2: (8B) [40CFR 72 - Acid Rain Provisions, 11-24-1997]; SOX: 150 PPMV (8A) [40CFR 60 Subpart GG, 2-27-2014]; VOC: 2 PPMV (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a) (1)-BACT, 12-6-2002]	A63.4, A99.4, A99.5, A195.4, A195.5, A195.6, A327.2, C1.7, C1.8, D29.4, D82.3, D82.4, E193.2, H23.8, K40.3, K67.6
GENERATOR, 49.6 MW					
CO OXIDATION CATALYST, DELTAK A/N: 641480	C60	D58 C61			

* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: SPRAY COATINGS					
PLASMA ARC CUTTER, SPECTRUM 3080 AND ICE-80CX TORCH, 1 TOTAL A/N: 569471	D66				C1.9, E193.4, K67.7
Process 5: FUEL DISPENSING AND STORAGE					
FUEL DISPENSING NOZZLE, BALANCE TYPE PHASE II CONTROL, GASOLINE, PHASE II EVR SYSTEM NOT INCLUDING IN-STATION DIAGNOSTICS A/N: 486808	D24				H23.2, J110.1, J373.1
FUEL DISPENSING NOZZLE, BALANCE TYPE PHASE II CONTROL, GASOLINE, PHASE II EVR SYSTEM NOT INCLUDING IN-STATION DIAGNOSTICS A/N: 486808	D25				H23.2, J110.1, J373.1
STORAGE TANK, UNDERGROUND, GASOLINE, METHANOL COMPATIBLE, 10000 GALS A/N: 486808	D26				H23.2, J109.1, J373.1
STORAGE TANK, UNDERGROUND, GASOLINE, METHANOL COMPATIBLE, 10000 GALS A/N: 486808	D27				H23.2, J109.1, J373.1
Process 6: IC Engine Generators					
STORAGE TANK, PRESSURIZED, AQUEOUS AMMONIA, 19%, WITH VAPOR RETURN LINE, 15000 GALS; DIAMETER: 9 FT ; LENGTH: 28 FT A/N: 621981	D118				

* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

Section D	Page: 4
Facility ID:	800327
Revision #:	12
Date:	December 16, 2025

FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**



**FACILITY PERMIT TO OPERATE
GLENDALE CITY, GLENDALE WATER & POWER**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D12	2	2	1
D21	2	4	0
D24	3	5	0
D25	3	5	0
D26	3	5	0
D27	3	5	0
D58	1	2	1
C60	1	2	1
C61	2	2	1
D63	2	2	1
D66	3	4	0
D118	3	6	0



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

F14.1 The operator shall not use liquid fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F16.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

purchase records of fuel oil and sulfur content of the fuel

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

F18.1 Acid Rain SO₂ Allowance Allocation for affected units are as follows:

Device ID	Boiler ID	Contaminant	Tons in any year
1	Grayson Unit No. 4	SO ₂	87



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

3 | Grayson Unit No. 5 | SO2 | 42

- a). The allowance allocation(s) shall apply to calendar years 2010 and beyond.
- b). The number of allowances allocated to Phase II affected units by U.S. EPA may change in a 1998 revision to 40CFR73 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)

[40CFR 73 Subpart B, 1-11-1993]

F24.1 Accidental release prevention requirements of Section 112(r)(7):

- a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).
- b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[40CFR 68 - Accidental Release Prevention, 1-13-2017]

F67.1 The facility operator shall comply with all terms and conditions specified below.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Continuous operation of monitoring systems not subject to Rule 218 are not required when necessary calibration, maintenance or repair activities are performed in accordance with manufacturer's recommendation. The operator shall take all reasonable actions to minimize the time required to perform such activities. In no event shall any such activities exceed 96 consecutive hours for any one calibration, maintenance, or repair episode.

The operator shall notify the Executive Officer within 24 hours of the start of a calibration, maintenance, or repair activity, if the activity is expected to last more than 24 consecutive hours.

[RULE 204, 10-8-1993]

DEVICE CONDITIONS

A. Emission Limits

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 40 LBS IN ANY ONE DAY

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from the use of photochemically reactive organic solvents unless such discharge is controlled so as to comply with Rule 66.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D21]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

A63.4 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
NOX	Less than 4916 LBS IN ANY ONE MONTH
CO	Less than 5059 LBS IN ANY ONE MONTH
ROG	Less than 785 LBS IN ANY ONE MONTH
SOX	Less than 616 LBS IN ANY ONE MONTH
PM10	Less than 2539 LBS IN ANY ONE MONTH

The operator shall calculate the emission limit(s) during normal operations by using monthly fuel usage data and the following emission factors: NOx: 14.65 lbs/MMSCF, CO: 15.29 lbs/MMSCF, PM10: 7.69 lbs/MMSCF, ROG: 2.41 lbs/MMSCF, SOx: 1.88 lbs/MMSCF.

The operator shall calculate the emission limit(s) for CO, after the CO CEMS certification, based on readings from the certified CEMS. In the event the CO CEMS is not operating or the emissions exceed the valid upper range of the analyzer, the emissions shall be calculated in accordance with the approved CEMS plan.

The operator shall calculate the emission limit(s) for NOx, after the NOx CEMS certification, based on readings from the certified CEMS. In the event the NOx CEMS is not operating or the emissions exceed the valid upper range of the analyzer, the emissions shall be calculated in accordance with the approved CEMS plan.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D58]

A99.4 The 2.5 PPM NOX emission limit(s) shall not apply during turbine startup and shutdown periods. Written records of startups and shutdowns shall be maintained and made available upon request from AQMD.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1135, 7-19-1991; RULE 1135, 10-4-2024; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 429.2, 1-7-2022]

[Devices subject to this condition : D58]

- A99.5 The 6.0 PPM CO emission limit(s) shall not apply during turbine startup and shutdown periods. Written records of startups and shutdowns shall be maintained and made available upon request from AQMD.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D58]

- A195.4 The 2.5 PPMV NOX emission limit(s) is averaged over 1 hour at 15 percent oxygen, dry basis, rolling average.

The average shall be calculated based on emissions during all turbine operating hours except startups defined as the time necessary to reach stable conditions and minimum operating temperature of 450 F with full deployment of the SCR, and shutdowns defined as the time needed for the SCR to cool from a normal operating temperature to inactive status, and the exhaust temperature entering the SCR catalyst is less than 450 F.

Startups are not to exceed one hour per occurrence.

[RULE 1135, 7-19-1991; RULE 1135, 10-4-2024; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 429.2, 1-7-2022]

[Devices subject to this condition : D58]

- A195.5 The 6.0 PPMV CO emission limit(s) is averaged over 1 hour at 15 percent oxygen, dry basis, rolling average.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The average shall be calculated based on emissions during all turbine operating hours except startups defined as whenever the unit is being brought up to normal operating temperature from an inactive status, and shutdowns defined as whenever the unit is allowed to cool from a normal operating temperature to inactive status.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D58]

A195.6 The 2.0 PPMV ROG emission limit(s) is averaged over 1 hour at 15 percent oxygen, dry basis, rolling average.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D58]

A327.2 For the purpose of determining compliance with District Rule 475, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time.

[RULE 475, 10-8-1976; RULE 475, 8-7-1978]

[Devices subject to this condition : D58]

B. Material/Fuel Type Limits

B59.2 The operator shall only use the following material(s) in this device :

Fuel oil no. 2 or lighter grade with a sulfur content of not more than 15 ppm by weight



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000; 40CFR 63 Subpart ZZZZ, 2-27-2014]

[Devices subject to this condition : D12]

C. Throughput or Operating Parameter Limits

C1.2 The operator shall limit the operating time to no more than 125 hour(s) in any one year.

The 125 hours per year shall include no more than 20 hours in any one year for maintenance and testing purposes.

The operation of the engine beyond the 20 hr/yr allotted for engine maintenance and testing shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the grid operator or electric utility has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage.

Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect.

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 10-1-2021]

[Devices subject to this condition : D12]

C1.7 The operator shall limit the number of start-ups to no more than 730 in any one year.

Startup time shall not exceed 1 hour per startup.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 429.2, 1-7-2022]

[Devices subject to this condition : D58]

C1.8 The operator shall limit the number of shut-downs to no more than 730 in any one year.

Shutdown time shall not exceed 8 minutes per shutdown.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 429.2, 1-7-2022]

[Devices subject to this condition : D58]

C1.9 The operator shall limit the operating time to no more than 7 hour(s) in any one calendar month.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D66]

C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 0.25 inches water column.

To comply with this condition, the operator shall monitor the differential pressure as specified in condition number 12-3.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D21]

C177.1 The operator shall set and maintain the fuel injection timing of the engine at 4 degrees retarded relative to standard timing.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D12]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 10-1-2021; 40CFR 63 Subpart ZZZZ, 2-27-2014]

[Devices subject to this condition : D12]

D12.3 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter media.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D21]

D12.7 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the exhaust gas at the inlet to the SCR reactor.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

The exhaust gas temperature shall not exceed 1000 degrees F. The operator shall maintain on-site documentation from the manufacturer of the minimum operating exhaust gas temperature. This information shall be made available to District staff upon request.

The facility shall take corrective actions when the temperature is outside the nominal operating range.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 429.2, 1-7-2022]

[Devices subject to this condition : C61]

D12.8 The operator shall install and maintain a(n) pressure gauge to accurately indicate the differential pressure across the SCR catalyst bed in inches water column.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

The nominal pressure drop range is between 0.0 to 1.6 inches water column. The facility shall take corrective actions when the pressure drop is outside the nominal range.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : C61]

D29.4 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
SOX emissions	Approved District method	District-approved averaging time	Fuel Sample
ROG emissions	Approved District method	1 hour	Outlet of the SCR serving this equipment
PM emissions	Approved District method	District-approved averaging time	Outlet of the SCR serving this equipment



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The test(s) shall be conducted at least once every three years.

The test shall be conducted and the results submitted to the District within 60 days after the test date. The AQMD shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted when the gas turbine is operating at 100 percent of maximum heat input.

The test shall be conducted to demonstrate compliance with the Rule 1303 concentration and/or monthly emissions limit.

The test shall be conducted for compliance verification of the BACT VOC 2.0 ppmv limit. The test results must be reported with two significant digits.

For natural gas fired turbines only, this is demonstrated by the following test method: a) Stack gas samples are extracted into Summa canisters, maintaining a final pressure between 400 - 500 mm Hg absolute, b) Pressurization of Summa canisters is done with zero gas analyzed/certified to less than 0.05 ppmv total hydrocarbons as carbon, and c) Analysis of Summa canisters is per EPA Method TO-12 (with pre-concentration) and the temperature when extracting samples for analysis is not to be below 70 degrees F.

The use of this alternative method does not mean that it is more accurate than AQMD Method 25.3, nor does it mean that it may be used in lieu of AQMD method 25.3 without prior approval, except for the determination of compliance with the VOC BACT level of 2.0 ppmv for natural gas fired turbines. Because the BACT level was set using data derived from various source test methods, this method provides a fair comparison and represents the best sampling and analysis technique for this purpose at this time.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D58]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D29.5 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NH3 emissions	District method 207.1	1 hour	Outlet of the SCR serving this equipment

The test shall be conducted and the results submitted to the District within 60 days after the test date. The AQMD shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted once per calendar quarter during the first twelve months of operation and annually thereafter. The NOx concentration, as determined by the certified CEMS, shall be simultaneously recorded during the ammonia slip test. If the CEMS is inoperable or not yet certified, a test shall be conducted to determine the NOx emissions using District Method 100.1 measured over a 60-minute averaging time period.

If an annual source test is failed, four consecutive quarterly source tests must demonstrate compliance with ammonia emission limits prior to resuming annual source tests.

If the turbine is not in operation during one quarter, then no testing is required during that quarter.

The test shall be conducted to demonstrate compliance with the 2.5 ppmv BACT limit at 15% O2, dry condition.

In lieu of complying with NH3 source testing requirements, an ammonia CEMS that has been certified under an approved South Coast AQMD protocol may be utilized to demonstrate compliance with ammonia emission limit.



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The operator shall comply with the terms and conditions set forth below:

[RULE 1135, 7-19-1991; RULE 1135, 10-4-2024; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C61]

D82.3 The operator shall install and maintain a CEMS to measure the following parameters:

CO concentration in ppmv

Concentrations shall be corrected to 15 percent oxygen on a dry basis.

The CEMS shall be installed and operated in accordance with approved AQMD Rule 218 CEMS plan application until the CEMS has been replaced or recertified to meet the requirements of Rule 218.2. The operator shall not install the CEMS prior to receiving initial approval from AQMD.

The CEMS shall be installed and operated to measure CO concentrations over a 15 minute averaging time period.

The CEMS shall convert the actual CO concentrations to mass emission rates (lbs/hr) using the equation below and record the hourly emission rates on a continuous basis.

CO Emission Rate, lbs/hr = $K \cdot C_{co} \cdot F_d \cdot [20.9 / (20.9 - \%O_2d)] \cdot [Q_g \cdot HHV]$, where:

$K = 7.267 \cdot 10^{-2}$, C_{co} = Average of four consecutive 15-min. average CO concentration in ppmv, $F_d = 8710$ dscf/MMBtu natural gas, $\%O_2d$ = Hourly average percentage by volume O₂ dry, corresponding to C_{co} , Q_g = Fuel gas usage during the hour, scf/hr, HHV = Higher Heating Value of fuel gas, Btu/scf.

The operator shall submit an application to either certify a new CO CEMS or recertify the existing CO CEMS to meet the Rule 281.2 requirements.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 218, 5-14-1999; RULE 218, 3-5-2021; RULE 218.2, 9-2-2022]



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The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D58]

D82.4 The operator shall install and maintain a CEMS to measure the following parameters:

NOx concentration in ppmv

Concentrations shall be corrected to 15 percent oxygen on a dry basis.

The CEMS shall be installed and operated in accordance with an approved AQMD Rule 218 CEMS plan application until the CEMS has been replaced or recertified to meet the requirements of Rule 218.2. The operator shall not install the CEMS prior to receiving initial approval from AQMD.

The CEMS shall be installed and operated to measure NOx concentrations over a 15 minute averaging time period.

The CEMS shall convert the actual NOx concentrations to mass emission rates (lbs/hr) using the equation below and record the hourly emission rates on a continuous basis.

NOx Emission Rate, lbs/hr = $K \cdot C_n \cdot F_d \cdot [20.9 / (20.9 - \%O_2d)] \cdot [Q_g \cdot HHV]$, where:

K = $1.195 \cdot 10^{-1}$, C_n = Average of four consecutive 15-min. average NOx concentration in ppmv, F_d = 8710 dscf/MMBtu natural gas, $\%O_2d$ = Hourly average percentage by volume O2 dry, corresponding to C_n , Q_g = Fuel gas usage during the hour, scf/hr, HHV = Higher Heating Value of fuel gas, Btu/scf

The operator shall submit an application to either certify a new NOx CEMS or recertify the existing NOx CEMS to meet the Rule 218.2 requirements.

[RULE 1135, 7-19-1991; RULE 1135, 10-4-2024; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 218, 5-14-1999; RULE 218, 3-5-2021; RULE 218.2, 9-2-2022]



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The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D58]

D322.1 The operator shall perform a monthly inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D21]

D322.2 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E29]



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The operator shall comply with the terms and conditions set forth below:

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E29]

E. Equipment Operation/Construction Requirements

E116.1 This engine shall not be used as part of a demand response program using interruptible service contract in which a facility receives a payment or reduced rates in return for reducing its electric load on the grid when requested to do so by the utility or the grid operator.

[RULE 1470, 10-1-2021]



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The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D12]

E179.3 For the purpose of the following condition number(s), continuously record shall be defined as recording at least once every hour and shall be calculated based upon the average of the continuous monitoring for that hour.

Condition Number D 12- 7

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 429.2, 1-7-2022]

[Devices subject to this condition : C61]

E179.4 For the purpose of the following condition number(s), continuously record shall be defined as recording at least once every hour and shall be calculated based upon the average of the continuous monitoring for that month.

Condition Number D 12- 8

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C61]

E193.2 The operator shall upon completion of construction, operate and maintain this equipment according to the following specifications:

Conditions contained in the City of Glendale CEQA document, State Clearinghouse #2003011128

[CA PRC CEQA, 11-23-1970]

[Devices subject to this condition : D58]



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The operator shall comply with the terms and conditions set forth below:

E193.3 The operator shall operate and maintain this equipment according to the following requirements:

Change oil and filter every 500 hours of operation or annually, whichever comes first.

Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary

Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary

[40CFR 63 Subpart ZZZZ, 2-27-2014]

[Devices subject to this condition : D12]

E193.4 The operator shall operate and maintain this equipment according to the following requirements:

This equipment shall not cut more than 700 inches of steel in any one calendar month.

This equipment shall be used to cut steel of up to 1/2 inch thickness.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D66]

E448.4 The operator shall comply with the following requirements:



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The operator shall comply with the terms and conditions set forth below:

Ammonia injection shall commence when the SCR reaches the minimum operating temperature.

The operator shall operate the control equipment, including, but not limited to, the injection of any associated chemical reagent(s), water, or steam into the exhaust stream to control NOx, if the temperature of the exhaust gas to the inlet of the NOx control equipment is greater than or equal to the minimum operating temperature, the temperature of the exhaust gas is stable, and the injection of any associated chemical reagent(s) will not result in ammonia emissions in excess of Permit concentration limits

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 429.2, 1-7-2022]

[Devices subject to this condition : C61]

H. Applicable Rules

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
ROG	District Rule	461

[RULE 461, 4-6-2012]

[Devices subject to this condition : D24, D25, D26, D27]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
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The operator shall comply with the terms and conditions set forth below:

Refrigerants	District Rule	1415
Refrigerants	40CFR82, SUBPART	F

[RULE 1415, 10-14-1994; 40CFR 82 Subpart F, 5-14-1993]

[Devices subject to this condition : E31]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	40CFR82, SUBPART	B

[40CFR 82 Subpart B, 7-14-1992]

[Devices subject to this condition : E32]

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[RULE 1122, 10-1-2004]

[Devices subject to this condition : E28]

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart



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The operator shall comply with the terms and conditions set forth below:

Chromium, | District Rule | 1404
Hexavalent

[RULE 1404, 4-6-1990]

[Devices subject to this condition : E33]

H23.7 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109
PM	District Rule	481

[RULE 109, 5-2-2003; RULE 481, 1-11-2002]

[Devices subject to this condition : D21]

H23.8 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Sulfur compounds	District Rule	431.1

[RULE 431.1, 6-12-1998]

[Devices subject to this condition : D58]

J. Rule 461



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The operator shall comply with the terms and conditions set forth below:

- J109.1 The operator shall use, except for diesel transfer, the phase I vapor recovery system in full operation whenever this equipment is in use. This system shall be installed, operated and maintained to meet all CARB certification requirements.

[RULE 461, 3-7-2008]

[Devices subject to this condition : D26, D27]

- J110.1 The operator shall use, except for diesel transfer, the phase II vapor recovery system in full operation whenever gasoline from this equipment is dispensed to motor vehicles as defined in Rule 461. This system shall be installed, operated and maintained to meet all CARB certification requirements.

[RULE 461, 4-6-2012]

[Devices subject to this condition : D24, D25]

- J373.1 The operator shall comply with the following gasoline transfer and dispensing requirements:



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The operator shall comply with the terms and conditions set forth below:

This permit shall become invalid if the modification has not been completed within 1 year from the issue date of the permit. If the modification has not been completed within 1 year, a written request shall be submitted to AQMD (attn: Randy Matsuyama) to reinstate the previous permit. A new application shall be filed if there are plans to continue to modification. This condition does not allow any time extensions to any modifications required by CARB or AQMD.

All phase I and Phase II vapor recovery equipment at this facility shall be installed, operated and maintained to meet all CARB certification requirements.

The District, at its discretion, may wish to witness the installation and/or performance testing of the VST Phase II EVR system not including ISD system. At least 72 hours prior to the installation and performance testing of the VST Phase II EVR system not including ISD system, the applicant shall notify the AQMD at telephone number (909) 770-9140.

New equipment installations and subsequent service and repairs for any certified component for which this permit was issued, shall only be performed by a current and certified person who has successfully completed the manufacturer's training course and appropriate international code council (ICC) certification. Completion of any AQMD training course does not constitute as a substitute for this requirement. Proof of successful completion of any manufacturer training course shall be with the manufacturer.

At least seventy-two (72) hours prior to back-filling any underground storage tank or piping, the AQMD shall be notified by e-mail at r461backfill@aqmd.gov or by facsimile at telephone number (909) 396-3606. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the back-filling procedure. The back-filling procedure shall not commence until inspected by a District representative.

A leak rate test of the drop tube/drain valve assembly shall be conducted to quantify the pressure integrity of the drop tube & drain valve seal or a leak rate test of the drop tube overflow prevention device & drain valve shall be conducted to quantify the



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The operator shall comply with the terms and conditions set forth below:

pressure integrity of the drop tube overflow prevention device & of the spill container drain valve. The tests shall be conducted as performance and reverification tests in accordance with method TP-201.1c (10/8/03) or TP-201.1d (10/8/03).

A leak rate and cracking pressure test of pressure/vacuum relief vent valves shall be conducted within ten days (10) after the start of operation of the Phil-Tite Phase I EVR equipment and at least once every three (3) years thereafter to determine the pressure and vacuum at which the pressure/vacuum vent valve actuates, and to determine the volumetric leak rate at a given pressure. The test shall be conducted in accordance with the test procedure method TP-201.1e (October 8, 2003).

A static torque test of rotatable Phase I adaptors shall be conducted to quantify the amount of static torque required to start the rotation of the rotatable Phase I adaptors. The test shall be conducted in accordance with the test procedure method outlined in TP-201.1b (October 8, 2003) as a performance test and as a reverification test. Results shall be submitted to the AQMD, Office of Engineering and Compliance, within seventy-two (72) hours of test.

a). The Phase II vapor recovery systems shall be installed, operated, and maintained such that the maximum allowable pressure through the system including nozzle, vapor hose, swivels, and underground piping does not exceed the dynamic back pressures described by the California Air Resources Board (CARB) Executive Order by which the system was certified:

	Nitrogen Flowrates (CFH)	Dynamic Back Pressure (Inches of Water)
	60	0.35
	80	0.62

Dynamic back pressure tests shall be conducted to determine the Phase II system vapor recovery back pressures. The tests shall be conducted in accordance with CARB test procedure TP-201.4, methodology 1 (July 3, 2002); as a performance test and as a reverification test.

A static pressure leak decay test shall be conducted to demonstrate that the storage



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The operator shall comply with the terms and conditions set forth below:

tanks, the remote and/or nozzle vapor recovery check valves, associated vapor return piping and fittings are free from vapor leaks. The test shall be conducted in accordance with CARB test procedure method TP-201.3 (March 17, 1999) as a performance test and as a reverification test.

The static pressure leak decay test TP-201.3, shall be conducted in accordance with Exhibit 4 of CARB Executive Order VR-203-d. Verification of completing each step as outlined shall be documented by submitting a copy of Exhibit 4 to the AQMD, Office of Engineering and Compliance within seventy-two (72) hours of test.

A liquid removal test shall be conducted to quantify the removal rate of liquid from the vapor passage of a Phase II balance system hose equipped with a liquid removal device. The test shall be conducted in accordance with Exhibit 5 of CARB Executive Order VR-203-d, as a performance test and reverification test.

If a VST ECS membrane processor is installed, a hydrocarbon sensor verification test shall be conducted to determine the accuracy of the VST hydrocarbon non-dispersive infrared sensor using known hydrocarbon concentrations (propane) calibration gases at gasoline dispensing facilities. The test shall be conducted in accordance with Exhibit 6 of CARB Executive Order VR-203-d, as a performance test and reverification test.

A vapor pressure sensor verification test shall be conducted to determine the pressure management control vapor pressure sensor is operating in accordance with the pressure sensor requirements. The test shall be conducted in accordance with Exhibit 8 of CARB Executive Order VR-203-d, as a performance test and reverification test.

If a VST ECS membrane processor is installed, a determination of VST processor activation pressure test shall be conducted to determine compliance with the VST processor activation pressure requirement. The test shall be conducted in accordance with Exhibit 9 of CARB Executive Order VR-203-d, as a performance test and reverification test.

A nozzle bag test shall be conducted on the VST Phase II EVR nozzles to verify the



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The operator shall comply with the terms and conditions set forth below:

integrity of the vapor valve. The test shall be conducted on any newly installed or replaced VST Phase II EVR nozzles and in accordance with Exhibit 10 of CARB Executive Order VR-203-d.

If a Veeder-Root vapor polisher is installed, a Veeder-Root vapor polisher operability test shall be conducted in accordance with all of Exhibit 11 of CARB Executive Order VR-204-d. The test shall be conducted as a performance test and as a reverification test.

If a Veeder-Root vapor polisher is installed, a Veeder-Root vapor polisher hydrocarbon emissions verification test shall be conducted in accordance with Exhibit 12 of CARB Executive Order VR-204-d to verify the proper performance of the Veeder-Root vapor polisher. The test shall be conducted as a performance test and as a reverification test.

Results of all testing shall be submitted to the AQMD, Office of Engineering and Compliance, within 72 hours of each test.

If the security seal tag on the vapor polisher is broken or missing, the owner/operator shall perform both a Veeder-Root vapor polisher operability test (Exhibit 11), and a Veeder-Root vapor polisher hydrocarbon emissions verification test (Exhibit 12) within seven (7) days of discovery, or when it should be reasonably known that such seal is missing or broken.

Within seven (7) days of a report of a missing or broken security seal tag, a new security seal tag shall be applied to the vapor polisher only by a manufacturer representative and only immediately after passing the above required tests. A new security seal tag shall not be placed and the vapor polisher shall be replaced with a new one if the vapor polisher failed any such tests.

Unless AQMD Rule 461 requires a more frequent testing or inspection schedule, the owner/operator shall be responsible to perform the scheduled daily and annual inspections as outlined in the ARB approved installation, operation, and maintenance manual for the VST Phase II EVR system, as well as all the required vapor recovery system tests as per the current and appropriate ARB Executive Order.



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The operator shall comply with the terms and conditions set forth below:

In accordance with Rule 461(j), the owner/operator shall adhere to the following task completion dates as submitted on Form 461-CP. 1) Complete all permit applications to all applicable government agencies - 1/1/09. 2) Purchase order for CARB certified Phase II EVR system - 10/30/08. 3) Sign contract for installation and contract for testing of CARB certified Phase II EVR system - 2/1/09. 4) Start date of equipment installation - 3/1/09. 5) Start date of testing Phase II EVR system - 3/21/09.

The owner/operator shall maintain documentation demonstrating that all of the above tasks were successfully completed on or before the date stated above. Such documents shall be kept on site and be made available upon request of the District representative.

The AQMD shall be notified by e-mail at r461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least seventy-two (72) hours prior to any of the above mentioned testing requirements. Such notification shall include the name of the owner or operator; the name of the contractor; the location of the facility; and the scheduled start and completion dates of the tests to be performed.

The testing for the above mentioned tests shall be conducted in accordance with the most recent rule 461 amendment or CARB Executive Order requirements, whichever is more stringent.

If the facility dispense more than 600,000 gallons of gasoline per calendar year and if the facility undergoes a major modification as defined by CARB's Advisory Letter #336, "Enhanced Vapor Recovery Implementation Update" dated 4/15/05; the operator shall immediately cease all gasoline dispensing and file an application for a new permit to install a CARB certified ISD system. Gasoline dispensing shall not resume until the ISD system has been granted a permit and has been installed, tested, and operative.

Should the facility dispense more than 600,000 gallons of gasoline in any calendar year and if the facility does not undergo a major modification as defined by CARB's advisory letter number 336, "Enhanced Vapor Recovery Implementation Update" dated 4/15/05; the operator shall file an application for a new permit to install a



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The operator shall comply with the terms and conditions set forth below:

CARB certified ISD system. The ISD system shall be fully installed, tested, and operative based on the following dates.

1. Greater than 1.8 million gallons - September 1, 2009.
2. Between 600,000 and 1.8 million gallons - September 1, 2010

All records and test results that are required to be maintained by Rule 461 shall be kept on site for four years and made available to District representatives upon request.

[RULE 461, 4-6-2012]

[Devices subject to this condition : D24, D25, D26, D27]

K. Record Keeping/Reporting

K40.3 The operator shall provide to the District a source test report in accordance with the following specifications:



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The operator shall comply with the terms and conditions set forth below:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv), corrected to 15 percent oxygen (dry basis), mass rate (lbs/hr), and lbs/MM cubic feet.. In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 15 percent oxygen.

Source test results shall also include the oxygen levels in the exhaust, fuel flow rate (CFH), the flue gas temperature, and the generator power output (MW) under which the test was conducted.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D58]

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

An engine operating log listing on a monthly basis the emergency use hours of operation, maintenance and testing hours of operation, and any other hours of use with a description of the reason for operation. Additionally, each time the engine is started manually, the log shall include the date of operation and the timer reading in hours at the beginning and end of operation

The log shall be kept for a minimum of three calendar years prior to the current year and be made available to District personnel upon request. The total hours of operation for the previous calendar year shall be recorded sometime during the first 15 days of January of each year



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The operator shall comply with the terms and conditions set forth below:

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 10-1-2021; 40CFR 63 Subpart ZZZZ, 2-27-2014]

[Devices subject to this condition : D12]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The name of the person performing the inspection and/or maintenance of the filter media

The date, time, and results of the inspection

The date, time, and description of any maintenance or repairs resulting from the inspection

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E29]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The name of the person performing the inspection and/or maintenance of the filter media

The date, time, and results of the inspection

The date, time, and description of any maintenance or repairs resulting from the inspection

Weekly record of pressure drop across the filter media



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The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D21]

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E30]

K67.6 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):



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The operator shall comply with the terms and conditions set forth below:

A gas turbine operating log that on a daily basis records the date, time, and duration of all start-ups and shutdowns; the total hours of operation; the quantity of fuel consumption; the cumulative hours of operation to date for the calendar year; the Megawatt-hours of electricity produced; and net Megawatt-hours of electricity produced.

The operator shall also keep a list of any scheduled start-ups with a reason for the scheduled start-up including any change(s) to the date and time of the scheduled start-up.

The operator shall also maintain all NO_x emissions data collected with a certified CEMS for each start-up and shutdown.

The operator shall maintain all records as required by R429.2 and R1135.

All records shall be maintained at the facility for a period of five years, except that all data gathered or computed for intervals of less than 15 minutes shall be maintained for a minimum of 48 hours, and made available to District staff upon request.

[RULE 1135, 7-19-1991; RULE 1135, 10-4-2024; RULE 429.2, 1-7-2022]

[Devices subject to this condition : D58]

K67.7 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The date, time, and duration of each operation, the type of steel cut, and the thickness and length of the cut.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D66]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION E: ADMINISTRATIVE CONDITIONS

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
 - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
 - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
 - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the SCAQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION E: ADMINISTRATIVE CONDITIONS

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to SCAQMD personnel upon request and be maintained for at least five years. [204]
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by SCAQMD rules or permit conditions: [204]
 - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134]
 - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
 - c. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
 - d. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
 - e. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO₂) at standard conditions and averaged over a minimum of 15 consecutive minutes. [409]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION E: ADMINISTRATIVE CONDITIONS

- f. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. The operator shall, when a source test is required by SCAQMD, provide a source test protocol to SCAQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by SCAQMD. The test protocol shall contain the following information: [204, 304]
 - a. Brief description of the equipment tested.
 - b. Brief process description, including maximum and normal operating temperatures, pressures, throughput, etc.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
 - f. Description of calibration and quality assurance procedures.
 - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (conflict of interest).
9. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by SCAQMD rules or equipment-specific conditions. The report shall contain the following information: [204]
 - a. The results of the source test.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION E: ADMINISTRATIVE CONDITIONS

- b. Brief description of the equipment tested.
 - c. Operating conditions under which the test was performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Field and laboratory data forms, strip charts and analyses.
 - f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
10. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of SCAQMD Source Test Method 1.1 and 1.2. [217]
 11. Whenever required to submit a written report, notification or other submittal to the Executive Officer, SCAQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, SCAQMD, 21865 Copley Drive, Diamond Bar, CA 91765-4178. [204]



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

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FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

NOT APPLICABLE



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

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**FACILITY PERMIT TO OPERATE
GLENDALE CITY, GLENDALE WATER & POWER**

**SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR
RECLAIM SOURCES**

NOT APPLICABLE



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 6: IC Engine Generators					

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 6: IC Engine Generators					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, #11, LEAN BURN, 4-STROKE, NATURAL GAS, WARTSILA, MODEL 18V50SG, 161.6 MMBTU WITH A/N: 621976 Permit to Construct Issued: 04/18/24	D103	C105		CO: 0.2 LBS/NET MWH NATURAL GAS (5) [RULE 1110.2, 11-3-2023]; CO: 11.2 PPMV NATURAL GAS (4) [RULE 1703(a)(2) - PSD-BACT, 10-7-1988]; CO: 270 PPMV NATURAL GAS (8) [40CFR 60 Subpart J.J.J.J, 1-24-2023]; H2S: 5 PPMV NATURAL GAS (5) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]; NOX: 0.07 LBS/NET MWH NATURAL GAS (5) [RULE 1110.2, 11-3-2023]; NOX: 2.4 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 82 PPMV NATURAL GAS (8) [40CFR 60 Subpart J.J.J.J, 1-24-2023]; VOC: 0.1 LBS/NET MWH NATURAL GAS (5) [RULE 1110.2, 11-3-2023]; VOC: 9.8 PPMV NATURAL GAS (4) [RULE 1303(a)-BACT, 5-10-1996; RULE 1303(a)-BACT, 12-6-2002]; VOC: 60 PPMV NATURAL GAS (8) [40CFR 60 Subpart J.J.J.J, 1-24-2023]	A63.7, A99.6, A99.7, A99.8, A195.12, A195.13, A195.14, C1.12, C1.13, C1.14, D12.10, D12.11, D29.9, D82.7, D82.8, E193.9, E193.10, K40.5, K67.10
GENERATOR, 18.8 MW					

* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 6: IC Engine Generators					
STACK, UNIT 11, HEIGHT: 80 FT ; DIAMETER: 5 FT 3 IN					
CO OXIDATION CATALYST, CATALYST VOL: 150 CU. FT, UMICORE, CORMETECH OR EQUIVALENT, PALLADIUM, PLATINUM OR EQUIVALENT, 98 CATALYST MODULES, EACH AT 0.466 M (L) X 0.466 M (W) X 0.13 M (H) A/N: 621993 Permit to Construct Issued: 04/16/24	C105	D103 C106			
SELECTIVE CATALYTIC REDUCTION, CATALYST VOL: 304 CU.FT., UMICORE, CORMETECH OR EQUIVALENT, VANADIUM OR EQUIV., 147 MODULES, EACH AT 0.466 M (L) X 0.466 M (W) X 0.27 M (H) A/N: 621993 Permit to Construct Issued: 04/16/24	C106	C105		NH3: 5 PPMV NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D12.12, D12.13, D12.14, D29.10

* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 6: IC Engine Generators					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, #12, LEAN BURN, 4-STROKE, NATURAL GAS, WARTSILA, MODEL 18V50SG, 161.6 MMBTU WITH A/N: 621977 Permit to Construct Issued: 04/18/24	D108	C110		CO: 0.2 LBS/NET MWH NATURAL GAS (5) [RULE 1110.2, 11-3-2023]; CO: 11.2 PPMV NATURAL GAS (4) [RULE 1703(a)(2) - PSD-BACT, 10-7-1988]; CO: 270 PPMV NATURAL GAS (8) [40CFR 60 Subpart JJJJ, 1-24-2023]; H2S: 5 PPMV NATURAL GAS (5) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]; NOX: 0.07 LBS/NET MWH NATURAL GAS (5) [RULE 1110.2, 11-3-2023]; NOX: 2.4 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 82 PPMV NATURAL GAS (8) [40CFR 60 Subpart JJJJ, 1-24-2023]; VOC: 0.1 LBS/NET MWH NATURAL GAS (5) [RULE 1110.2, 11-3-2023]; VOC: 9.8 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; VOC: 60 PPMV NATURAL GAS (8) [40CFR 60 Subpart JJJJ, 1-24-2023]	A63.7, A99.6, A99.7, A99.8, A195.12, A195.13, A195.14, C1.12, C1.13, C1.14, D12.10, D12.11, D29.9, D82.7, D82.8, E193.9, E193.10, K40.5, K67.10
GENERATOR, 18.8 MW					

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 6: IC Engine Generators					
STACK, #12, HEIGHT: 80 FT ; DIAMETER: 5 FT 3 IN					
CO OXIDATION CATALYST, CATALYST VOL: 150 CU. FT, UMICORE, CORMETECH OR EQUIVALENT, PALLADIUM, PLATINUM OR EQUIVALENT, 98 CATALYST MODULES, EACH AT 0.466 M (L) X 0.466 M (W) X 0.13 M (H) A/N: 621994 Permit to Construct Issued: 04/16/24	C110	D108 C111			
SELECTIVE CATALYTIC REDUCTION, CATALYST VOL: 304 CU.FT., UMICORE, CORMETECH OR EQUIVALENT, VANADIUM OR EQUIV., 147 MODULES, EACH AT 0.466 M (L) X 0.466 M (W) X 0.27 M (H) A/N: 621994 Permit to Construct Issued: 04/16/24	C111	C110		NH3: 5 PPMV NATURAL GAS (4) [RULE 1303(a)(f)] -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D12.12, D12.13, D12.14, D29.10

- * (1) (1A) (1B) Denotes RECLAIM emission factor
 - (3) Denotes RECLAIM concentration limit
 - (5) (5A) (5B) Denotes command and control emission limit
 - (7) Denotes NSR applicability limit
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 - (6) Denotes air toxic control rule limit
 - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 - (10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 6: IC Engine Generators					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, #13, LEAN BURN, 4-STROKE, NATURAL GAS, WARTSILA, MODEL 18V50SG, 161.6 MMBTU WITH A/N: 621978 Permit to Construct Issued: 04/18/24	D113	C115		CO: 0.2 LBS/NET MWH NATURAL GAS (5) [RULE 1110.2, 11-3-2023]; CO: 11.2 PPMV NATURAL GAS (4) [RULE 1703(a)(2) - PSD-BACT, 10-7-1988]; CO: 270 PPMV NATURAL GAS (8) [40CFR 60 Subpart JJJJ, 1-24-2023]; H2S: 5 PPMV NATURAL GAS (5) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]; NOX: 0.07 LBS/NET MWH NATURAL GAS (5) [RULE 1110.2, 11-3-2023]; NOX: 2.4 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 82 PPMV NATURAL GAS (8) [40CFR 60 Subpart JJJJ, 1-24-2023]; VOC: 0.1 LBS/NET MWH NATURAL GAS (5) [RULE 1110.2, 11-3-2023]; VOC: 9.8 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; VOC: 60 PPMV NATURAL GAS (8) [40CFR 60 Subpart JJJJ, 1-24-2023]	A63.7, A99.6, A99.7, A99.8, A195.12, A195.13, A195.14, C1.12, C1.13, C1.14, D12.10, D12.11, D29.9, D82.7, D82.8, E193.9, E193.10, K40.5, K67.10
GENERATOR, 18.8 MW					

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 6: IC Engine Generators					
STACK, #13, HEIGHT: 80 FT ; DIAMETER: 5 FT 3 IN					
CO OXIDATION CATALYST, CATALYST VOL: 150 CU. FT, UMICORE, CORMETECH OR EQUIVALENT, PALLADIUM, PLATINUM OR EQUIVALENT, 98 CATALYST MODULES, EACH AT 0.466 M (L) X 0.466 M (W) X 0.13 M (H) A/N: 621995 Permit to Construct Issued: 04/16/24	C115	D113 C116			
SELECTIVE CATALYTIC REDUCTION, CATALYST VOL: 304 CU.FT., UMICORE, CORMETECH OR EQUIVALENT, VANADIUM OR EQUIV., 147 MODULES, EACH AT 0.466 M (L) X 0.466 M (W) X 0.27 M (H) A/N: 621995 Permit to Construct Issued: 04/16/24	C116	C115		NH3: 5 PPMV NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D12.12, D12.13, D12.14, D29.10

* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
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 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

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FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: DEVICE ID INDEX

Device Index For Section H			
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C105	3	6	0
C106	3	6	0
D108	5	6	0
C110	5	6	0
C111	5	6	0
D113	7	6	0
C115	7	6	0
C116	7	6	0



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

F14.1 The operator shall not use liquid fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F16.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

purchase records of fuel oil and sulfur content of the fuel

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

F18.1 Acid Rain SO2 Allowance Allocation for affected units are as follows:

Device ID	Boiler ID	Contaminant	Tons in any year
1	Grayson Unit No. 4	SO2	87
3	Grayson Unit No. 5	SO2	42



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- a). The allowance allocation(s) shall apply to calendar years 2010 and beyond.
- b). The number of allowances allocated to Phase II affected units by U.S. EPA may change in a 1998 revision to 40CFR73 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)

[40CFR 73 Subpart B, 1-11-1993]

F24.1 Accidental release prevention requirements of Section 112(r)(7):

- a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).
- b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[40CFR 68 - Accidental Release Prevention, 1-13-2017]

F67.1 The facility operator shall comply with all terms and conditions specified below.

Continuous operation of monitoring systems not subject to Rule 218 are not required when necessary calibration, maintenance or repair activities are performed in accordance with manufacturer's recommendation. The operator shall take all reasonable actions to minimize the time required to perform such activities. In no event shall any such activities exceed 96 consecutive hours for any one calibration, maintenance, or repair episode.

The operator shall notify the Executive Officer within 24 hours of the start of a calibration, maintenance, or repair activity, if the activity is expected to last more than 24 consecutive hours.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 204, 10-8-1993]

DEVICE CONDITIONS

A. Emission Limits

A63.7 The operator shall limit emissions from this equipment as follows:

POLLUTANT	EMISSIONS LIMIT
NOX	Less than or equal to 620 LBS IN ANY ONE MONTH
CO	Less than or equal to 1100 LBS IN ANY ONE MONTH
VOC	Less than or equal to 666 LBS IN ANY ONE MONTH
PM10	Less than or equal to 387 LBS IN ANY ONE MONTH
SOX	Less than or equal to 35 LBS IN ANY ONE MONTH

The operator shall report NOx and CO emissions using certified CEMS.

The operator shall calculate the monthly emissions using the monthly total fuel usage and the following emission factors: VOC: 17.0 lb/mmscf; PM10: 9.88 lb/mmscf; and SOx: 0.89 lb/mmscf.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1313(g), 12-7-1995]

[Devices subject to this condition : D103, D108, D113]

A99.6 The 2.4 PPM NOX emission limit(s) shall not apply during startup and commissioning periods.

This concentration limit is averaged over 60 minutes, dry at 15% O2.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D103, D108, D113]

A99.7 The 11.2 PPM CO emission limit(s) shall not apply during startup and commissioning periods.

This concentration limit is averaged over 60 minutes, dry at 15% O₂.

[RULE 1703(a)(2) - PSD-BACT, 10-7-1988]

[Devices subject to this condition : D103, D108, D113]

A99.8 The 9.8 PPM VOC emission limit(s) shall not apply during startup and commissioning periods.

This concentration limit is averaged over 60 minutes, dry at 15% O₂.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D103, D108, D113]

A195.12 The 0.07 LBS/NET MW-HR NO_X emission limit(s) is averaged over 60 minutes.

This limit does not apply during startup and commissioning periods..

Compliance with this limit shall be demonstrated by dividing the NO_X hourly mass emissions from the NO_X CEMS by the net megawatt-hours generated in the hour.

[RULE 1110.2, 11-3-2023]

[Devices subject to this condition : D103, D108, D113]

A195.13 The 0.20 LBS/NET MW-HR CO emission limit(s) is averaged over 60 minutes.



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The operator shall comply with the terms and conditions set forth below:

This limit does not apply during startup and commissioning periods.

Compliance with this limit shall be demonstrated by dividing the hourly CO mass emissions from the CO CEMS by the net megawatt-hours generated in the hour.

[RULE 1110.2, 11-3-2023]

[Devices subject to this condition : D103, D108, D113]

A195.14 The 0.10 LBS/NET MW-HR VOC emission limit(s) is averaged over 60 minutes.

This limit does not apply during startup and commissioning periods.

[RULE 1110.2, 11-3-2023]

[Devices subject to this condition : D103, D108, D113]

C. Throughput or Operating Parameter Limits

C1.12 The operator shall limit the natural gas fuel usage to no more than 39.25 MM cubic feet in any one calendar month.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1313(g), 12-7-1995]

[Devices subject to this condition : D103, D108, D113]

C1.13 The operator shall limit the natural gas fuel usage to no more than 197.82 MM cubic feet per year.

[RULE 1303(b)(1)-Modeling, 5-10-1996; RULE 1303(b)(1)-Modeling, 12-6-2002]

[Devices subject to this condition : D103, D108, D113]

C1.14 The operator shall limit the duration of startup to no more than 30 minute(s).



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

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The operator shall comply with the terms and conditions set forth below:

The operator shall start ammonia injection as soon as the SCR reaches the minimum operating temperature.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D103, D108, D113]

D. Monitoring/Testing Requirements

D12.10 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

The operator shall keep records of engine operation, including startups, as recorded by the engine hour meter.

[RULE 1110.2, 11-3-2023; RULE 1304(c)-Offset Exemption, 6-14-1996; RULE 1304(c)-Offset Exemption, 11-5-2021; 40CFR 60 Subpart JJJJ, 1-24-2023]

[Devices subject to this condition : D103, D108, D113]

D12.11 The operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage of the engine.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1313(g), 12-7-1995]

[Devices subject to this condition : D103, D108, D113]

D12.12 The operator shall install and maintain a(n) flow meter to accurately indicate the ammonia injection rate being supplied to the SCR.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

The ammonia injection rate shall not exceed 220 lb/hr.

[RULE 1303(a)-BACT, 5-10-1996; RULE 1303(a)-BACT, 12-6-2002]

[Devices subject to this condition : C106, C111, C116]

D12.13 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the exhaust flue gas at the inlet to the SCR reactor.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

The facility shall operate the equipment and ammonia injection when the temperature is between 650°F and 896 °F.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C106, C111, C116]

D12.14 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the SCR catalyst bed in inches water column.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : C106, C111, C116]

D29.9 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NOX emissions	District method 100.1	1 hour	Outlet of the SCR serving this equipment
CO emissions	District method 100.1	1 hour	Outlet of the SCR serving this equipment
VOC emissions	Approved District method	District-approved averaging time	Outlet of the SCR serving this equipment
PM10 emissions	Approved District method	District-approved averaging time	Outlet of the SCR serving this equipment
SOX emissions	Approved District method	District-approved averaging time	Fuel Sample



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The test is conducted to demonstrate compliance with the applicable BACT emission concentration limits and Rule 1110.2 emission standards.

The test shall be conducted when this equipment is operating at the maximum achievable load, and at the average load.

The initial source test shall be completed within 180 days after the equipment first start up, unless an extension is granted by the Executive Officer. Subsequent tests should be conducted once every two years, or 8,760 operating hours, whichever occurs first. Source test frequency can be reduced to once every three years if the engine has operated for less than 2000 hours since the last test.

Relative accuracy tests of the CO and NO_x CEMSs may be used to satisfy the CO and NO_x source test requirements.

The test shall be conducted in accordance with a District approved test protocol. The protocol shall be submitted to the District no later than 45 days before the proposed test date and shall be approved before the test commences. The test protocol shall include the proposed equipment operating conditions during the tests, the identity of the testing lab, a statement from the testing lab certifying that it meets the criteria of Rule 304, and a description of all sampling and analytical procedures.

Source test reports shall be submitted to the South Coast AQMD, addressed to South Coast Air Quality Management District, Attention Osiris Torres, P.O. Box 4941, Diamond Bar, CA 91765, or submitted electronically to Otorres@aqmd.gov within 60 days after the source test is completed, unless otherwise approved in writing by the Executive Officer.

[RULE 1110.2, 11-3-2023; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; 40CFR 60 Subpart JJJJ, 1-24-2023]

[Devices subject to this condition : D103, D108, D113]

D29.10 The operator shall conduct source test(s) for the pollutant(s) identified below.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NH3 emissions	District method 207.1	1 hour	Outlet of the SCR serving this equipment

The test shall be conducted and the results submitted to the South Coast AQMD within 60 days after the test date.

The initial test shall be conducted within 90 days after the equipment commences operation. Subsequent tests shall be conducted at least quarterly during the first twelve months of operation and at least annually thereafter. If an annual test is failed, the owner or operator shall conduct four consecutive quarterly source tests to demonstrate compliance with the ammonia emission limit prior to resuming annual source tests.

The NOx concentration, as determined by the certified CEMS, shall be simultaneously recorded during the ammonia slip test. If the CEMS is inoperable or not yet certified, a test shall be conducted to determine the NOx emissions using District Method 100.1 measured over a 60 minute averaging time period.

The test shall be conducted to demonstrate compliance with the Rule 1303 concentration limit.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C106, C111, C116]

D82.7 The operator shall install and maintain a CEMS to measure the following parameters:



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

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The operator shall comply with the terms and conditions set forth below:

CO concentration in ppmv

Concentrations shall be corrected to 15 percent oxygen on a dry basis.

The CEMS will convert the actual CO concentrations to mass emission rates (lbs/hr) and record the hourly emission rates on a continuous basis.

The CEMS shall be installed and operated to measure CO concentrations over a 15 minute averaging time period.

The CEMS shall be installed and operated in accordance with an approved Rule 218.2 CEMS plan application. The operator shall not operate the CEMS prior to receiving initial approval from the South Coast AQMD.

[RULE 1703(a)(3) PSD Analysis, 10-7-1988]

[Devices subject to this condition : D103, D108, D113]

D82.8 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv

Concentrations shall be corrected to 15 percent oxygen on a dry basis.

The CEMS will convert the actual NOX concentrations to mass emission rates (lbs/hr) and record the hourly emission rates on a continuous basis.

The CEMS shall be installed and operated to measure NOx concentrations over a 15 minute averaging time period.

The CEMS shall be installed and operated in accordance with an approved Rule 218.2 CEMS plan application. The operator shall not operate the CEMS prior to receiving initial approval from the South Coast AQMD.

[RULE 1110.2, 11-3-2023; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

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The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D103, D108, D113]

E. Equipment Operation/Construction Requirements

E193.9 The operator shall operate and maintain this equipment according to the following requirements:

The operator shall notify the South Coast AQMD of the equipment's initial startup date. Notification should be sent electronically to Osiris Torres at Otorres@aqmd.gov.

Within 90 days of the initial startup date, the operator shall send a request to Osiris Torres by mail or electronically at Otorres@aqmd.gov to surrender the operating permits of Boiler B3, B4, B5, Gas Turbine GT8A, 8B, and 8C.

[RULE 1313(d), 12-7-1995; 40CFR 60 Subpart JJJJ, 1-24-2023]

[Devices subject to this condition : D103, D108, D113]

E193.10 The operator shall operate and maintain this equipment according to the following requirements:

Commissioning operation is limited to 218 operating hours.

Commissioning shall be completed within 90 days after the initial startup, unless an extension is granted by the Executive Officer.

Monthly total emissions during commissioning operation are subject to the limits of Condition A63.7.

The operator shall notify the South Coast AQMD when the commissioning is complete and the total hours of commissioning operation. Notification should be sent electronically to Osiris Torres at Otorres@aqmd.gov.

Records of the commissioning operation, including fuel usage and engine run hours, shall be maintained and kept on file for a minimum of five years.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D103, D108, D113]

K. Record Keeping/Reporting

K40.5 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv) corrected to 15 percent oxygen (dry basis), mass rate (lbs/hr), and lbs/MM Cubic Feet. In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 15 percent oxygen.

Source test results shall also include the oxygen levels in the exhaust, fuel flow rate (CFH), the flue gas temperature, and the generator power output (MW) under which the test was conducted.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D103, D108, D113]

K67.10 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Keep a maintenance plan and records of conducted maintenance. To the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[40CFR 60 Subpart JJJJ, 1-24-2023]

[Devices subject to this condition : D103, D108, D113]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans .

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

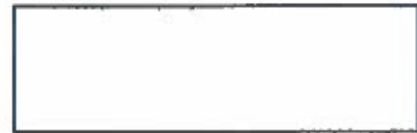
List of approved plans:

Application	Rule
224744	1404
315106	1135

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178



**South Coast
AIR QUALITY MANAGEMENT DISTRICT**
9150 FLAIR DRIVE, EL MONTE, CA 91731 (818) 572-8200

September 27, 1990

CITY OF GLENDALE PUBLIC SERV.
119 N. Glendale Avenue, 6th Floor
Glendale, CA 91206
Attention: Mr. Tommy Wu

Gentlemen:

Application NO.: 224744 ID NO.: 024957
Cooling Tower NO: Cooling Tower No. 1, 2, 3, 4, 5, and
Auxiliary
Located At: 800 Air Way, Glendale, CA 91201

Reference is made to your Rule 1404 Compliance Plan for the cooling tower(s) at the location described above.

As indicated in the compliance plan, your company has stopped using chromium containing water treatment chemicals by July 1, 1988. Therefore, your facility is exempt from periodic water testing requirements pursuant to Rule 1404(f).

Due to an amendment of Rule 1404 on April 6, 1990, your company is required to submit a written affidavit rather than a compliance plan. As a result, your application submitted for the approval of your Rule 1404 Compliance Plan will be canceled and the filing fee refunded. The documentation that was contained in the application will be kept on file and serve as the required written affidavit.

If you have any questions regarding this matter, please call the undersigned at (818) 572-6420.

Very truly yours,

William J. Dennison
Director of Engineering

Randy Matsuyama
Engineering Technician



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178



South Coast Air Quality Management District

21865 E. Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • <http://www.aqmd.gov>

Mr. Guillermo Espinosa
Senior Mechanical Engineer
City of Glendale, Public Services Dept.
141 N. Glendale Ave.
Glendale, CA 91206-4496

July 11, 1996

Dear Mr. Espinosa:

The AQMD has reviewed your *revised* Rule 1135 Compliance Plan (A/N 315106). The initial Plan application (A/N 283709) will be canceled and the information consolidated in the *revised* Rule 1135 Compliance Plan.

The plan shows that Grayson units #3 and #4 have had the LNB (Low Nox burners) and LFG (Land-fill gas) installed in 1993. It also showed that the FGR (Flue gas recirculation) was constructed and installed for both units (P/C application, 4/27/1993). The increment of progress for the FGR is for 1996.

Grayson unit #5 has a request (P/C 315201) to install an FGR system and the increment of compliance is for 1996. At the same time, according to you, the contractor will also be installing the IFGR (Induced Flue gas recirculation) to said unit and the increment of compliance for 1999. It showed that there will be an application to construct in early 1999 for the installation of a SCR (Selective Catalytic Reduction) and the increment of compliance for 1999.

Please be advised that your submittal has been accepted as a satisfactory Rule 1135 Compliance Plan. Also, please inform the District on the progress of the IFGR installation to unit #5.

The compliance plan shows the following maximum and average emission rates for individual and combined units:

A. 12/31/93 to 12/31/96 Increment of Compliance, LNB for G3, LNB + LFG for G4, Existing Equipment for G5

UNIT	Maximum, lb/MWh	Average, lb/MWh
Greyson Unit #3	2.169	1.813
Greyson Unit #4	2.125	1.549
Greyson Unit #5	2.465	1.861
Total	2.272	1.752



B. 12/31/96 to 12/31/99 Increment of Compliance, LNB + FGR for G3, LNB + LFG for G4, LFG for G5

UNIT	Maximum, lb/MWh	Average, lb/MWh
Greyson Unit #3	0.554	0.357
Greyson Unit #4	0.577	0.407
Greyson Unit #5	2.130	1.612
Total	1.252	0.979

C. 12/31/99 Increment of Compliance, LNB + FGR for G3, LNB + LFG for G4, LFG + IFGR + SCR for G5

UNIT	Maximum, lb/MWh	Average, lb/MWh
Greyson Unit #3	0.554	0.357
Greyson Unit #4	0.577	0.407
Greyson Unit #5	0.1843	0.154
Total	0.413	0.278

If you have any questions regarding the content of this letter, please contact Mr. Hamilton Stoddard at (909)-396-2482 or Mr. John Yee at (909)-396-2531.

Sincerely,

Theresa Van Andler
A.Q. Analysis
& Compliance Supervisor

TVA/has

cc: T. Cass

J.Y.

Air Resources Board

glend41doc



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

Section J	Page: 1
Facility ID:	800327
Revision #:	4
Date:	December 16, 2025

**FACILITY PERMIT TO OPERATE
GLENDALE CITY, GLENDALE WATER & POWER**

SECTION J: AIR TOXICS

NOT APPLICABLE



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION K: TITLE V Administration GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]

(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION K: TITLE V Administration

Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
- (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.
 - (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
 - (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
- (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
 - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION K: TITLE V Administration

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
 - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
 - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
 - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]

10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]

11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]

12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]

13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION K: TITLE V Administration

14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
- (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
 - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
 - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
 - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
 - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
 - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency¹ constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:

(A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:

(1) An emergency occurred and the operator can identify the cause(s) of the emergency;

(2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;

(3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,

(4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and

(B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]

18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

¹ "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION K: TITLE V Administration RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
 - (B) The date(s) analyses were performed;
 - (C) The company or entity that performed the analyses;
 - (D) The analytical techniques or methods used;
 - (E) The results of such analyses; and
 - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION K: TITLE V Administration

- (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.
 - (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
 - (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION K: TITLE V Administration

- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn:
Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

PERIODIC MONITORING

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the TitleV application file. [3004(a)(4)]



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION K: TITLE V Administration

FACILITY RULES

This facility is subject to the following rules and regulations

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 109	5-2-2003	Federally enforceable
RULE 1107	1-6-2006	Federally enforceable
RULE 1107	1-6-2023	Non federally enforceable
RULE 1110.2	11-3-2023	Non federally enforceable
RULE 1113	2-5-2016	Federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1122	5-1-2009	Non federally enforceable
RULE 1135	10-4-2024	Non federally enforceable
RULE 1135	7-19-1991	Federally enforceable
RULE 1140	8-2-1985	Federally enforceable
RULE 1171	2-1-2008	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(a)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(1)-Modeling	12-6-2002	Non federally enforceable
RULE 1303(b)(1)-Modeling	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION K: TITLE V Administration

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1304(a)-Modeling and Offset Exemption	11-5-2021	Non federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 1304(c)-Offset Exemption	11-5-2021	Non federally enforceable
RULE 1304(c)-Offset Exemption	6-14-1996	Federally enforceable
RULE 1313(d)	12-7-1995	Federally enforceable
RULE 1313(g)	12-7-1995	Federally enforceable
RULE 1401	9-1-2017	Non federally enforceable
RULE 1404	4-6-1990	Non federally enforceable
RULE 1470	10-1-2021	Non federally enforceable
RULE 1703(a)(2) - PSD-BACT	10-7-1988	Federally enforceable
RULE 1703(a)(3) PSD Analysis	10-7-1988	Federally enforceable
RULE 2005	11-5-2021	Non federally enforceable
RULE 2005	12-4-2015	Federally enforceable
RULE 2012	11-3-2023	Non federally enforceable
RULE 2012	2-5-2016	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 218	3-5-2021	Non federally enforceable
RULE 218	5-14-1999	Federally enforceable
RULE 218.1	5-14-1999	Federally enforceable
RULE 218.1	5-4-2012	Non federally enforceable
RULE 218.2	9-2-2022	Non federally enforceable
RULE 219	4-6-2018	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	1-10-2025	Non federally enforceable
RULE 3003	1-10-2025	Non federally enforceable
RULE 3004	1-10-2025	Non federally enforceable



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-5-2010	Federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 301	5-2-2025	Non federally enforceable
RULE 301	7-12-2019	Federally enforceable
RULE 304	5-3-2019	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-4-2018	Non federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 429.2	1-7-2022	Non federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.1	6-12-1998	Federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 461	3-7-2008	Non federally enforceable
RULE 461	4-6-2012	Federally enforceable
RULE 464	12-7-1990	Federally enforceable
RULE 475	10-8-1976	Federally enforceable
RULE 475	8-7-1978	Non federally enforceable
RULE 481	1-11-2002	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
CA PRC CEQA	11-23-1970	Non federally enforceable
40CFR 60 Subpart GG	2-27-2014	Federally enforceable
40CFR 60 Subpart JJJ	1-24-2023	Federally enforceable
40CFR 63 Subpart ZZZZ	2-27-2014	Federally enforceable



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

SECTION K: TITLE V Administration

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
40CFR 68 - Accidental Release Prevention	1-13-2017	Federally enforceable
40CFR 72 - Acid Rain Provisions	11-24-1997	Federally enforceable
40CFR 73 Subpart B	1-11-1993	Federally enforceable
40CFR 82 Subpart B	7-14-1992	Federally enforceable
40CFR 82 Subpart F	5-14-1993	Federally enforceable



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

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Date:	December 16, 2025

FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN PERMIT PURSUANT TO RULE 219

1. INTERNAL COMBUSTION ENGINE < 50 BHP



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 1107 01-06-2006]

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

VOC LIMITS								
Less Water and Less Exempt Compounds								
Effective Dates								
Coating	Air-Dried				Baked			
	gm/l		lb/gal		gm/l		lb/gal	
	Current	7/1/07	Current	7/1/07	Current	7/1/07	Current	7/1/07
General One-Component	275	275	2.3	2.3	275	275	2.3	2.3
General Multi-Component	340	340	2.8	2.8	275	275	2.3	2.3
Military Specification	340	340	2.8	2.8	275	275	2.3	2.3
Etching Filler	420	420	3.5	3.5	420	420	3.5	3.5
Solar-Absorbent	420	420	3.5	3.5	360	360	3.0	3.0
Heat-Resistant	420	420	3.5	3.5	360	360	3.0	3.0
Extreme High-Gloss	420	340	3.5	2.8	360	360	3.0	3.0
Metallic	420	420	3.5	3.5	420	420	3.5	3.5



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 1107 01-06-2006]

VOC LIMITS								
Less Water and Less Exempt Compounds								
Effective Dates, cont.								
Coating	Air-Dried				Baked			
	gm/l		lb/gal		gm/l		lb/gal	
	Current	7/1/07	Current	7/1/07	Current	7/1/07	Current	7/1/07
Extreme Performance	420	420	3.5	3.5	360	360	3.0	3.0
Prefabricated Architectural One-Component	420	275	3.5	2.3	275	275	2.3	2.3
Prefabricated Architectural Multi-Component	420	340	3.5	2.8	275	275	2.3	2.3
Touch Up	420	420	3.5	3.5	360	360	3.0	3.0
Repair	420	420	3.5	3.5	360	360	3.0	3.0
Silicone Release	420	420	3.5	3.5	420	420	3.5	3.5
High-Performance Architectural	420	420	3.5	3.5	420	420	3.5	3.5
Camouflage	420	420	3.5	3.5	420	420	3.5	3.5
Vacuum-Metalizing	420	420	3.5	3.5	420	420	3.5	3.5
Mold-Seal	420	420	3.5	3.5	420	420	3.5	3.5
High-Temperature	420	420	3.5	3.5	420	420	3.5	3.5
Electric-Insulating Varnish	420	420	3.5	3.5	420	420	3.5	3.5
Pan Backing	420	420	3.5	3.5	420	420	3.5	3.5
Pretreatment Coatings	420	420	3.5	3.5	420	420	3.5	3.5



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 1107 01-06-2006]

- (2) A person shall not use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 02-05-2016]

- (1) Except as provided in paragraphs (c)(3), (c)(4) of the Rule, no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solicit the application of any architectural coating within the District that is listed in the Table of Standards 1 and contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.
- (2) No person within the District shall, at the point of sale of any architectural coating subject to the above paragraph (1), add to such coating any colorant that contains VOC in excess of the corresponding applicable VOC limit specified in the Table of Standards 2.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 02-05-2016]

TABLE OF STANDARDS 1 VOC LIMITS

Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds

COATING CATEGORY	Category Codes	Current Limit ¹	Effective Date			Small Container Exemption
			1/1/14	2/5/16	1/1/19	
Bond Breakers	5	350				✓
Building Envelope Coating	62	100			50	✓
Concrete-Curing Compounds	7	100				✓
Concrete-Curing Compounds For Roadways and Bridges ²	7	350				✓ ³
Concrete Surface Retarder	58	50	50			✓
Default	51	50	50			✓
Driveway Sealer	52	50				✓
Dry-Fog Coatings	8	50	50			✓
Faux Finishing Coatings						
Clear Topcoat	9a	100	100			✓
Decorative Coatings	9	350				✓
Glazes	9b	350				✓
Japan	9c	350				✓
Trowel Applied Coatings	9d	50	50			✓
Fire-Proofing Coatings	10	150	150			✓
Flats	13	50				✓ ³
Floor Coatings	14	50				✓
Form Release Compound	16	100	100			✓
Graphic Arts (Sign) Coatings	17	200	150	200		✓
Industrial Maintenance (IM) Coatings	19	100				✓ ³
Color Indicating Safety Coatings		480				✓ ³
High Temperature IM Coatings	18	420				✓ ³
Non-Sacrificial Anti-Graffiti Coatings	19a	100				✓ ³
Zinc-Rich IM Primers	56	100				✓ ³
Magnesite Cement Coatings	22	450				✓ ³
Mastic Coatings	23	100	100			✓
Metallic Pigmented Coatings	24	150	150			✓
Multi-Color Coatings	25	250				✓ ³
Nonflat Coatings	26, 27, 28	50				✓ ³



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 02-05-2016]

Pre-Treatment Wash Primers	29	420				✓ ³
Primers, Sealers, and Undercoaters	30	100				✓
Reactive Penetrating Sealers	59	350				✓ ⁴
Recycled Coatings	33	250		150		✓
Roof Coatings	34	50				✓
Roof Coatings, Aluminum	53	100				✓
Roof Primers, Bituminous	4	350				✓ ³
Rust Preventative Coatings	35	100				✓ ⁶
Sacrificial Anti-Grffiti Coatings	60	50				✓ ³
Shellac						
Clear	37	730				✓ ⁴
Pigmented	38	550				✓ ⁴
Specialty Primers	39	100				✓
Stains	41	100				✓
Stains, Interior	40	250				✓
Stone Consolidants	61	450				✓ ³
Swimming Pool Coatings						
Repair	43	340				✓ ³
Other	42	340				✓ ³
Tile and Stone Sealers	63	100				✓
Traffic Coatings	45	100				✓
Tub and Tile Refinishing Coatings	64	420				✓ ⁴
Waterproofing Sealers	48	100				✓
Waterproofing Concrete/Masonry Sealers	49	100				✓
Wood Coatings		275				
Varnish	46, 47	275				
Sanding Sealers	36	275				
Lacquer	20	275				



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 02-05-2016]

Wood Conditioners	65	100				
Wood Preservatives						
Below-Ground	50	350				✓ ³
Other	55	350				✓ ³

1. The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
2. Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.
3. Effective 02/05/2016, the small container exemption no longer applies per (f)(1).
4. Effective 01/01/2018, the small container exemption no longer applies per (f)(1).
5. Effective 01/01/2019, the small container exemption is further restricted per (f)(1).
6. Effective 01/01/2020, the small container exemption is further restricted per (f)(1).

TABLE OF STANDARDS 1 (cont.) VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 02-05-2016]

TABLE OF STANDARDS 2 VOC LIMITS FOR COLORANTS

Grams of VOC Per Liter of Colorant
Less Water and Less Exempt Compounds

COLORANT ADDED TO	Limit
Architectural Coatings, excluding IM Coatings	50
Solvent-Based IM	600
Waterborne IM	50



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 1140 08-02-1985]

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
 - (A) As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
 - (B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (1)(A).
- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
 - (A) As dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
 - (B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (2)(A).



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		



**FACILITY PERMIT TO OPERATE
 GLENDALE CITY, GLENDALE WATER & POWER**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 02-01-2008]**

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals			
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)		
(D) Cleaning of Ink Application Equipment			
(i) General	25 (0.21)		
(ii) Flexographic Printing	25 (0.21)		
(iii) Gravure Printing			
(A) Publication	100 (0.83)		
(B) Packaging	25 (0.21)		
(iv) Lithographic (Offset) or Letter Press Printing			
(A) Roller Wash, Blanket Wash, & On-Press Components			
(I) Newsprint	100 (0.83)		



**FACILITY PERMIT TO OPERATE
 GLENDALE CITY, GLENDALE WATER & POWER**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 02-01-2008]**

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(II) Other Substrates	500 (4.2)	100 (0.83)	
(B) Removable Press Components	25 (0.21)		
(v) Screen Printing	500 (4.2)	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)		
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)		

* The specified limits remain in effect unless revised limits are listed in subsequent columns.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

SOLVENT CLEANING ACTIVITY (cont.)	CURRENT LIMITS*	EFFECTIVE 1/1/2010
	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components	100 (0.83)	



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

* The specified limits remain in effect unless revised limits are listed in subsequent columns.



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a).

Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 404(a)

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148



**FACILITY PERMIT TO OPERATE
 GLENDALE CITY, GLENDALE WATER & POWER**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 404 02-07-1986]**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 405(a)

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process)		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process)	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6



FACILITY PERMIT TO OPERATE GLENDALE CITY, GLENDALE WATER & POWER

APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0

EXHIBIT B

Grayson Power Plant - Detailed Commissioning Emissions

(Shaded areas in NOx and CO Columns reflect days in which emissions exceed monthly limits for either an individual engine or the aggregate of three engines.)

Day	Tasks			NOx					CO					Descriptions				
	#1	#2	#3	#1	#2	#3	Total	#1	#2	#3	Total	3300	#1	#2	#3			
Week 1	1	1	1	1	18	18	18	54	54	1	1	1	4	4	4	First Start and Bearing Run	First Start and Bearing Run	First Start and Bearing Run
	2	2	2	2	168	168	168	503	557	7	7	7	21	26	26	Safety Stops	Safety Stops	Safety Stops
	3	3	3	3	13	13	13	40	597	1	1	1	4	30	30	UPS & Pre-lube Pump Functionality Test and ESD Check	UPS & Pre-lube Pump Functionality Test and ESD Check	UPS & Pre-lube Pump Functionality Test and ESD Check
	4	4	4	4	54	54	54	162	759	4	4	4	13	43	43	Voltage Build-up & Synchronizing Tests	Voltage Build-up & Synchronizing Tests	Voltage Build-up & Synchronizing Tests
	5	5	5	5	183	183	183	548	1307	652	652	652	1956	1999	1999	Engine Loading and Running-in	Engine Loading and Running-in	Engine Loading and Running-in
	6	6	6	6	34	34	34	101	1408	121	121	121	363	2362	2362	Load Rejection	Load Rejection	Load Rejection
	7	0	0	0	0	0	0	0	1408					2362	2362			
Week 2	8	7			0	0	0	0	1408					2362	2362	Catalyst installation		
	9	8	7		19	0	0	19	1426	35			35	2397	2397	SCR Tuning and Hot Deflections 1/2	Catalyst installation	
	10	9		7	19	0	0	19	1445	35			35	2432	2432	SCR Tuning and Hot Deflections 2/2		Catalyst installation
	11	10	8	10	63	19	63	144	1589	91	35	91	216	2648	2648	Load Tests 1/2	SCR Tuning and Hot Deflections 1/2	Load Tests 1/2
	12	11	9	11	63	19	63	144	1734	91	35	91	216	2863	2863	Load Tests 2/2	SCR Tuning and Hot Deflections 2/2	Load Tests 2/2
	13		10	8	0	63	19	81	1815		91	35	125	2989	2989	Load Tests 1/2		SCR Tuning and Hot Deflections 1/2
	14	0	0	0	0	0	0	0	1815					2989	2989			
Week 3	15		11	9	0	63	19	81	1897		91	35	125	3114	3114	Load Tests 2/2		SCR Tuning and Hot Deflections 2/2
	16	12	12	12	42	42	42	126	2023	66	66	66	199	3313	3313	Engine Tuning 1/2	Engine Tuning 1/2	Engine Tuning 1/2
	17	13	13	13	42	42	42	126	2148	66	66	66	199	3512	3512	Engine Tuning 2/2	Engine Tuning 2/2	Engine Tuning 2/2
	18	14	14	14	32	32	32	95	2243	54	54	54	163	3675	3675	Plant Commissioning 1/2	Plant Commissioning 1/2	Plant Commissioning 1/2
	19	15	15	15	32	32	32	95	2338	54	54	54	163	3838	3838	Plant Commissioning 2/2	Plant Commissioning 2/2	Plant Commissioning 2/2
	20	16	16	16	61	61	61	183	2521	83	83	83	249	4087	4087	Validation Tests / Blackstart 1/2	Validation Tests / Blackstart 1/2	Validation Tests / Blackstart 1/2
	21	0	0	0	0	0	0	0	2521	0	0	0	0	4087	4087			
Week 4	22	17	17	17	61	61	61	183	2704	83	83	83	249	4336	4336	Validation Tests / Blackstart 2/2	Validation Tests / Blackstart 2/2	Validation Tests / Blackstart 2/2
	23	18			23	0	0	23	2727	48	0	0	48	4385	4385	Exhaust Gas Emission Tests 1/2		
	24	19			23	0	0	23	2751	48	0	0	48	4433	4433	Exhaust Gas Emission Tests 2/2		
	25	20			26	0	0	26	2777	57	0	0	57	4490	4490	Performance Tests		
	26		18		0	23	0	23	2800	0	48	0	48	4538	4538		Exhaust Gas Emission Tests 1/2	
	27		19		0	23	0	23	2824	0	48	0	48	4587	4587		Exhaust Gas Emission Tests 2/2	
	28	0	0	0	0	0	0	0	2824					4587	4587			
Week 5	29		20		0	26	0	26	26		57		57	57	57	Performance Tests		
	30			18	0	0	23	23	50			48	48	105	105		Exhaust Gas Emission Tests 1/2	
	31			19	0	0	23	23	73			48	48	154	154		Exhaust Gas Emission Tests 2/2	
	32			20	0	0	26	26	100			57	57	211	211		Performance Tests	
	33				0	0	0	0	100					211	211			
	34	21	21	21	36	36	36	108	208	84	84	84	253	464	464	Reliability Test / LO Consumption Test / Noise Test 1/3	Reliability Test / LO Consumption Test / Noise Test 1/3	Reliability Test / LO Consumption Test / Noise Test 1/3
	35	22	22	22	36	36	36	108	316	84	84	84	253	717	717	Reliability Test / LO Consumption Test / Noise Test 2/3	Reliability Test / LO Consumption Test / Noise Test 2/3	Reliability Test / LO Consumption Test / Noise Test 2/3
Week 6	36	23	23	23	36	36	36	108	425	84	84	84	253	970	970	Reliability Test / LO Consumption Test / Noise Test 3/3	Reliability Test / LO Consumption Test / Noise Test 3/3	Reliability Test / LO Consumption Test / Noise Test 3/3
	37				0	0	0	0	425					970	970			
	38				0	0	0	0	425					970	970			
	39				0	0	0	0	425					970	970			
	40				0	0	0	0	425					970	970			
	41				0	0	0	0	425					970	970			
	42	0	0	0	0	0	0	0	425					970	970			
Week 7	43				0	0	0	0	425					970	970			
	44				0	0	0	0	425					970	970			
	45				0	0	0	0	425					970	970			
	46				0	0	0	0	425					970	970			
	47				0	0	0	0	425					970	970			
	48				0	0	0	0	425					970	970			
	49				0	0	0	0	425					970	970			
Week 8	50				0	0	0	0	425					970	970			
	51				0	0	0	0	425					970	970			
	52				0	0	0	0	425					970	970			
	53				0	0	0	0	425					970	970			
	54				0	0	0	0	425					970	970			
	55				0	0	0	0	425					970	970			
	56	0	0	0	0	0	0	0	425					970	970			