

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

SOUTH COAST AQMD
CLERK OF THE BOARDS

2026 JUN 12 A 9:54
PETITIONER: LONG BEACH GENERATION, LLC

CASE NO: 5098-10

FACILITY ID: 115314

FACILITY ADDRESS: 2665 Pier S Ln, Long Beach, CA 90802
[location of equipment/site of violation; specify business/corporate address, if different, under Item 2, below]

City, State, Zip: Long Beach, CA 90802

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).

Benjamin Kang – EHS Specialist

Rob Suida – Plant Manager

Long Beach Generation, LLC

Long Beach Generation, LLC

2665 Pier S Ln, Long Beach, CA

2665 Pier S Ln, Long Beach, CA

Zip 90802

Zip 90802

(562) 506 2535 Ext.

(562) 506 2543 Ext.

Fax ()

Fax ()

E-mail bkang@camsops.com

E-mail rsuida@camsops.com

3. RECLAIM Permit Yes No Title V Permit Yes No

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)

N/A – Short Variance

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

Long Beach Generation, LLC (LBG) operates an electric generating facility that produces electricity using four natural gas-fired Alstom model 11D5 simple-cycle combustion turbines (CT) each equipped with an SCR/CO catalyst. Each of the four CTs (RECLAIM Devices D4, D5, D6, and D7) are configured to drive a 65 MW electrical generator, for a total net plant generating capacity of 260 MW. The facility supplies electric power to the electrical grid and operates in accordance with applicable South Coast AQMD rules and regulations. Emissions monitoring systems are installed and maintained on applicable combustion sources to demonstrate compliance with regulatory requirements.

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)*
Gas Turbine, Unit No. 3	625725	D6	

*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.

CT3 (RECLAIM Device ID: D6) is a natural gas-fired combustion turbine used for electrical generation. The turbine is an integral component of the facility's generating capacity and is equipped with a Continuous Emission Monitoring System (CEMS) that is subject to periodic Relative Accuracy Test Audits (RATAs) and associated quality assurance requirements.

The required semiannual RATA and annual CO Spiking RATA can only be performed when the turbine is operating. The turbine is unavailable for testing because CT3 remains in outage for maintenance and repair. The requested variance is limited to the compliance dates for these testing requirements and does not involve operating the equipment in violation of emissions limits.

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

If yes, how often: Biweekly/Annually Date of last maintenance and/or inspection: December 10 and 13, 2025

Describe the maintenance and/or inspection that was performed.

Biweekly – Step 2 simulated start-up which verifies functionality of all starting and auxiliary equipment.
Annual – Boroscopes – visual inspection of internal turbine components.

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 2012	CT3 is unable to undergo the required semi-annual RATA by June 30, 2026 because the unit remains out of service for repairs and is unavailable for testing.

Rule 218.1	CT3 is unable to undergo the required CO Spiking RATA by June 30, 2026 because the unit remains out of service for repairs and is unavailable for testing.

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

Case No.	Date of Action	Final Compliance Date	Explanation

11. Are any other equipment or activities at this location currently (or within the last six months) under variance coverage? Yes No

Case No.	Date of Action	Final Compliance Date	Explanation

12. Were you issued any Notice(s) of Violation or Notice(s) to Comply concerning this equipment or activity within the past year? Yes 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? Yes 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 with the June 30, 2026 testing deadline is beyond LBG's reasonable control because CT3 remains unavailable for operation due to ongoing repair activities. The semiannual RATA and CO Spiking RATA require operation of the combustion turbine under normal operating conditions. Because CT3 cannot be operated until repairs are completed, the required testing cannot be performed.

At the time the facility RATA and source testing schedules were established, LBG reasonably expected the outage to be completed before the end of the second quarter of 2026. Subsequent repair findings and associated corrective work extended the outage beyond the original completion schedule. LBG has acted diligently to complete repairs and return CT3 to service as soon as practicable.

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).

LBG initially anticipated completion of the CT3 outage before June 30, 2026. During the outage, additional repair work was identified that extended the outage schedule beyond the original completion date.

Upon receiving updated repair schedules on June 10, 2026 indicating that CT3 would not return to service before June 30, 2026, LBG determined that the required semiannual RATA and CO Spiking RATA could not be completed by the regulatory deadline and began preparing this variance request.

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.

Q4 2025: Forced outage initiated for CT3 repairs.

Q4 2025–Q2 2026: Repair activities performed.

Q2 2026 – June 10, 2026: Additional repair work identified.

June 10, 2026: Outage completion schedule revised beyond June 30, 2026. LBG evaluated compliance implications and determined required testing could not be completed by the June 30 deadline.

June 11, 2026: LBG notified South Coast AQMD staff regarding the outage status and testing delay.

June 12, 2026: LBG prepared and submitted this Short Variance petition.

Upon Return to Service: LBG will schedule and complete the semiannual RATA and CO Spiking RATA at the earliest practical opportunity after CT3 resumes normal operation.

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: \$ _____

Number of employees laid off (if any): _____

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

CPUC resource adequacy availability incentive mechanism (RAAIM) penalties are a minimum of \$10,000 for each day the unit is not available.
Additional losses include SCAQMD NOV costs due to late RATA testing.

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

LBG will be unable to curtail operations because LBG has an obligation to be available to the California Independent Service Operator (CAISO) and the RATA testing is required by SCAQMD and EPA regulations.

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.

	(A)	(B)	(C)*
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Pollutant	Total Estimated Excess Emissions (lbs/day)	Reduction Due to Mitigation (lbs/day)	Net Emissions After Mitigation (lbs/day)
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

* Column A minus Column B = Column C

Excess Opacity: N/A _____ %

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

Operation of CT3 during RATA testing will require the unit to operate under normal conditions and is not required to exceed or deviate from any permit limits or conditions.

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.

N/A

[Redacted]

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.**

LBG will continue to monitor emissions using the facility's continuous emissions monitoring (CEM) system and will submit RATA reports to the District, as required, within 60 days of completion of the RATA testing.

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.

Upon returning CT3 to service, LBG will complete the semiannual RATA and CO Spiking RATA at the earliest practical opportunity after CT3 resumes normal operation. LBG scheduled a tentative testing date with LBG's third-party stack testers for July 14-15, 2026. This was the earliest practical opportunity due to the third-party availability.

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: September 29, 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: N/A – Short Variance

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.

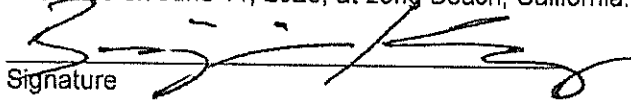
Bullington Pham _____ Ext. _____
_____ Ext. _____

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

Name	Company	Title
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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 June 11, 2026, at Long Beach, California.

Signature  _____ Print Name Benjamin Kang

Title: EHS Specialist _____

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.**

ITEM 4

GOOD CAUSE: The Hearing Board is required to provide public notice of variance hearings, as the public has a right to attend and testify at such hearings. In order for the Hearing Board to hold an Interim, *Ex Parte* Emergency or Emergency Variance hearing without the required public notice, a petitioner must present facts which will support a determination by the Board that "good cause" exists to hear a variance without notifying the public about the variance and providing the public with an opportunity to present evidence concerning the variance.

ITEM 6

Example #1:

Equipment/Activity	Application/Permit No.	RECLAIM Device No.	Date Application/Plan Denied (if relevant)*
Tenter frame		D32	
Chrome-plating tank	M99999		
Bake oven	123456		
Create special effects (fog)	N/A	N/A	N/A
Mfg., sale, distribution, use of non-compliant coating	N/A	N/A	12/10/95

ITEM 9

- a) If you are requesting relief from Rule 401 and the excess opacity during the variance period will reach or exceed 40%, you should also request relief from California Health and Safety Code Section 41701.
- b) If you are requesting relief from a permit condition(s), you should also request relief from the rule requiring compliance with conditions of the permit: 202(a), (b) or (c) - Temporary Permit to Operate; 203(b) - Permit to Operate; 2004(f)(1) - RECLAIM Permit; 3002(c) - Title V Permit.

Example #2:

Rule	Explanation
404(a)	tenter frame is vented to damaged air pollution control equipment
2004 (f)(1) [Condition No. 28-2 of Facility P/O No. 099999]	source test cannot be conducted as required until new ESP is installed
1113(c)(2)	petitioner manufactures and sells clear wood finishes with VOCs in excess of 350 grams per liter
401(a) & California H&S Code Section 41701	Opacity will exceed 45%.

ITEM 24

Example #3:

Sample Schedule of Increments of Progress

- Permit application(s) will be submitted to the District by [date].
- Contracts for the purchase of emission control systems will be awarded by [date].
- On-site construction will be completed by [date].

(Petition for Variance: Revised February 22, 2011)

English	"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."
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 بكتائب المحكمة قبل موعد جلسة الاستماع بخمسة (5) أيام على هاتف . حدد اسم ورقم القضية و تاريخ الاستماع واللغة clerkofboard@aqmd.gov 909-396-2500 أو بالبريد الإلكتروني على التي تريد في مترجم لها."
Armenian	"Ռեկվիրդորայան մասնակցելու համար, եթե թարգմանչի կարիքն ունենար, ցախարան ձեր ուղկնորոշումը, ամենաքիչն հինգ (5) օրացույցային օրից առաջ կապվեք հաճճնախմբի բարոտուղարի հետ, 909-396-2500 հեռախոսահամարով կամ էլեկտրոնային ցամախով հետևյալ հասցեով clerkofboard@aqmd.gov ։ Նշեք գործի անունն և համարը, ուղկնորոշյալ 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 중인들이 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 ninyo nang interpreter sa Pilipino para makasali kayo sa pagdinig sa kaso, tumawag lang po 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 languahe na interpreter"
Thai	หากคุณต้องการคำปรึกษาในการขึ้นศาล ให้ติดต่อเจ้าหน้าที่ ส่วนหน้าอย่างน้อย 5 วันก่อนวันขึ้นศาล โดยติดต่อที่เบอร์โทร 909-396-2500 หรือโดย e-mail ที่ clerkofboard@aqmd.gov ให้บอกชื่อและหมายเลขของคดี พร้อมทั้งวันเวลาในการขึ้นศาล และระบุภาษาที่คุณต้องการคำ



South Coast Air Quality Management District

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

January 23, 2024

Robert Suida
Operations Manager
Long Beach Generation, LLC
2665 Pier S Lane
Long Beach, CA 90802

Subject: Title V Permit to Operate, Long Beach Generation, LLC, Facility ID 115314, Rev. 36

Dear Mr. Suida:

Please find enclosed your revised Title page, Table of Contents, Section D and Section H of the Title V permit for equipment located at 2665 Pier S Lane, Long Beach, CA 90802. The enclosed permit incorporates the approval of the permit to operate requested in your Application No. 625725 to increase the maximum heat input rating of the four simple cycle gas turbines under Application Nos. 625721, 625722, 625723 and 625724, (see Section D, equipment removed from Section H). The proposed permit revisions are a Title V administrative revision converting permits to construct to permits to operate for the equipment.

Section D and Section H of this revised permit reflects the approval of the following:

Equipment	Application No.	Device ID	Permit Type
Gas Turbine	625721	D6	Permit to Operate
Gas Turbine	625722	D5	Permit to Operate
Gas Turbine	625723	D4	Permit to Operate
Gas Turbine	625724	D7	Permit to Operate

Please review the attached sections of the Title V permit carefully. Insert the enclosed section into your RECLAIM/Title V Facility Permit and discard the earlier versions. 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 your Title V permit.

If you determine there are administrative errors or if you have questions concerning your RECLAIM/Title V permit, please contact Mr. Christian Aviles at (909) 396-3147 or caviles@aqmd.gov within 30 days of receipt of your permit.

Sincerely,

Shannon Lee

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

SL:LC:AV:ca
Enclosure Facility Permit

Cc: Gerardo Rios, USEPA Region IX
South Coast AQMD Compliance



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

Title Page	
Facility ID:	115314
Revision #:	36
Date:	January 19, 2024

FACILITY PERMIT TO OPERATE

LONG BEACH GENERATION, LLC
2665 PIER S LN
LONG BEACH, CA 90802

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 Natri
Executive Officer

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



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

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C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	13	01/19/2024
E	Administrative Conditions	9	05/14/2021
F	RECLAIM Monitoring and Source Testing Requirements	8	05/14/2021
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	8	05/14/2021
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A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	7	05/14/2021
B	Rule Emission Limits	6	05/14/2021



**FACILITY PERMIT TO OPERATE
LONG BEACH GENERATION, LLC**

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: LONG BEACH GENERATION, LLC

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 2665 PIER S LN
LONG BEACH, CA 90802

MAILING ADDRESS: 301 VISTA DEL MAR
EL SEGUNDO, CA 90245

RESPONSIBLE OFFICIAL: KEN RIESZ, SR

TITLE: PLANT MANAGER

TELEPHONE NUMBER: (310) 615-6030

CONTACT PERSON: STEVE ODABASHIAN

TITLE: ENVIRONMENTAL SPECIALIST

TELEPHONE NUMBER: (310) 615-6331

TITLE V PERMIT ISSUED: May 14, 2021

TITLE V PERMIT EXPIRATION DATE: May 13, 2026

TITLE V		RECLAIM	
YES	NOx:	YES	
	SOx:	NO	
	CYCLE:	2	
	ZONE:	COASTAL	



**FACILITY PERMIT TO OPERATE
LONG BEACH GENERATION, LLC**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 07/01/2023 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
7/2020 6/2021	Coastal	432301	134536	5962
7/2020 6/2021	Inland	0	448	0
1/2021 12/2021	Coastal	0	0	0
7/2021 6/2022	Coastal	432301	50966	6048
1/2021 12/2021	Inland	0	0	0
7/2021 6/2022	Inland	0	0	0
1/2022 12/2022	Coastal	0	0	0
7/2022 6/2023	Coastal	432301	45775	12010
7/2022 6/2023	Inland	0	1	0
1/2023 12/2023	Coastal	0	0	0
7/2023 6/2024	Coastal	432301	45775	0
7/2023 6/2024	Inland	0	1	0
1/2024 12/2024	Coastal	0	0	0
7/2024 6/2025	Coastal	432301	45775	0
7/2024 6/2025	Inland	0	1	0
1/2025 12/2025	Coastal	0	0	0
7/2025 6/2026	Coastal	432301	45775	0

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.



**FACILITY PERMIT TO OPERATE
LONG BEACH GENERATION, LLC**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 07/01/2023 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
7/2025 6/2026	Inland	0	1	0
1/2026 12/2026	Coastal	0	0	0
7/2026 6/2027	Coastal	432301	45775	0
7/2026 6/2027	Inland	0	1	0
1/2027 12/2027	Coastal	0	0	0
7/2027 6/2028	Coastal	432301	45775	0
7/2027 6/2028	Inland	0	1	0
1/2028 12/2028	Coastal	0	0	0
7/2028 6/2029	Coastal	432301	45775	0
7/2028 6/2029	Inland	0	1	0
1/2029 12/2029	Coastal	0	0	0
7/2029 6/2030	Coastal	432301	45775	0
7/2029 6/2030	Inland	0	1	0
1/2030 12/2030	Coastal	0	0	0
7/2030 6/2031	Coastal	432301	45775	0
7/2030 6/2031	Inland	0	1	0
1/2031 12/2031	Coastal	0	0	0

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.



**FACILITY PERMIT TO OPERATE
LONG BEACH GENERATION, LLC**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 07/01/2023 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
7/2031 6/2032	Coastal	432301	45775	0
7/2031 6/2032	Inland	0	1	0
1/2032 12/2032	Coastal	0	0	0
7/2032 6/2033	Coastal	432301	45775	0
7/2032 6/2033	Inland	0	1	0
1/2033 12/2033	Coastal	0	0	0
7/2033 6/2034	Coastal	432301	45775	0
7/2033 6/2034	Inland	0	1	0
1/2034 12/2034	Coastal	0	0	0
7/2034 6/2035	Coastal	432301	45775	0
7/2034 6/2035	Inland	0	1	0
1/2035 12/2035	Coastal	0	0	0
7/2035 6/2036	Coastal	432301	45775	0
7/2035 6/2036	Inland	0	1	0
1/2036 12/2036	Coastal	0	0	0
7/2036 6/2037	Coastal	432301	45775	0
7/2036 6/2037	Inland	0	1	0

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.



**FACILITY PERMIT TO OPERATE
LONG BEACH GENERATION, LLC**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 07/01/2023 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
1/2037 12/2037	Coastal	0	0	0
7/2037 6/2038	Coastal	432301	45775	0
7/2037 6/2038	Inland	0	1	0
1/2038 12/2038	Coastal	0	0	0

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.



**FACILITY PERMIT TO OPERATE
LONG BEACH GENERATION, LLC**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase in an annual allocation to a level greater than the facility's starting Allocation plus Non-Tradable credits as listed below, the application will be evaluated for compliance with Rule 2005 (c)(4). Rule 2005 (e) - Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year		Zone	NOx RTC	Non-Tradable
Begin	End		Starting Allocation	Credits(NTC)
(month/year)			(pounds)	(pounds)
7/1994	6/1995	Coastal	494137	636496



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

Section C	Page: 1
Facility ID:	115314
Revision #:	6
Date:	October 31, 2014

**FACILITY PERMIT TO OPERATE
LONG BEACH GENERATION, LLC**

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)



**FACILITY PERMIT TO OPERATE
LONG BEACH GENERATION, LLC**

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 TURBINES, POWER GENERATION					

* (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
LONG BEACH GENERATION, LLC**

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 TURBINES, POWER GENERATION					
GENERATOR, 65 MW				-BACT, 12-6-2002]	
CO OXIDATION CATALYST, UNIT NO. 1, BASF, MODEL 2B1071, WITH 130 CUBIC FEET OF TOTAL CATALYST VOLUME A/N: 463226	C120	D4 C124			
SELECTIVE CATALYTIC REDUCTION, UNIT NO. 1, CORMETECH CM 21HT, WITH 2,750 CUBIC FEET OF TOTAL CATALYST VOLUME, WIDTH: 4 FT 7 IN; HEIGHT: 40 FT 3 IN; LENGTH: 24 FT 3 IN WITH A/N: 463226	C124	C120 S132		NH3: 5 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002]	A195.4, D12.2, D12.3, D12.4, E179.1, E179.2
AMMONIA INJECTION, GRID					
STACK, NO. 1, COMMON TO CTG NO. 1 AND CTG NO. 2, HEIGHT: 221 FT ; DIAMETER: 18 FT 11 IN A/N: 625723	S132	C124 C126			

* (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 LONG BEACH GENERATION, LLC

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 TURBINES, POWER GENERATION					
GAS TURBINE, UNIT NO. 1, NATURAL GAS, ALSTOM, MODEL 11D5, 1,100 MMBTU/HR AT 85 DEGREES F, WITH STEAM OR WATER INJECTION WITH A/N: 625723	D4	C120	NOX: MAJOR SOURCE**	CO: 2.9 PPMV NATURAL GAS (5A) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]; CO: 6 PPMV NATURAL GAS (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: 2.3 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 14.44 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 2-5-2016]; NOX: 15 PPMV NATURAL GAS (8) [40CFR 60 Subpart KKKK, 3-20-2009]; NOX: 124.49 LBS/MMSCF NATURAL GAS (1A) [RULE 2012, 2-5-2016]; PM: 0.01 GRAINS/SCF (5A) [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 (5B) [RULE 475, 10-8-1976; RULE 475, 8-7-1978]; SO2: (9) [40CFR 72 - Acid Rain Provisions, 11-24-1997]; SOX: 0.06 LBS/MMBTU NATURAL GAS (8) [40CFR 60 Subpart KKKK, 3-20-2009]; VOC: 1.6 PPMV NATURAL GAS (5) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]; VOC: 2 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)	A63.1, A63.2, A63.3, A99.1, A99.2, A99.5, A99.6, A99.7, A195.1, A195.2, A195.3, A195.5, A195.6, A327.1, C1.1, C1.2, D12.1, D29.2, D29.3, D82.1, D82.2, 1298.1, K40.1, K67.3

* (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
LONG BEACH GENERATION, LLC**

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 TURBINES, POWER GENERATION					
GENERATOR, 65 MW				-BACT, 12-6-2002]	
CO OXIDATION CATALYST, UNIT NO. 2, BASF, MODEL 2B1071, WITH 130 CUBIC FEET OF TOTAL CATALYST VOLUME A/N: 463227	C121	D5 C126			
SELECTIVE CATALYTIC REDUCTION, UNIT NO. 2, CORMETECH CM 2111T, WITH 2,750 CUBIC FEET OF TOTAL CATALYST VOLUME, WIDTH: 4 FT 7 IN; HEIGHT: 40 FT 3 IN; LENGTH: 24 FT 3 IN WITH A/N: 463227	C126	C121 S132		NI13: 5 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002]	A195.4, D12.2, D12.3, D12.4, E179.1, E179.2
AMMONIA INJECTION, GRID					

* (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
LONG BEACH GENERATION, LLC**

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 TURBINES, POWER GENERATION					
GAS TURBINE, UNIT NO. 2. NATURAL GAS, ALSTOM, MODEL 11DS, 1,100 MMBTU/HR AT 85 DEGREES F, WITH STEAM OR WATER INJECTION WITH A/N: 625722	D5	C121	NOX: MAJOR SOURCE**	CO: 2.9 PPMV NATURAL GAS (5A) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2) -Offset, 12-6-2002]; CO: 6 PPMV NATURAL GAS (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: 2.3 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 14.44 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 2-5-2016]; NOX: 15 PPMV NATURAL GAS (8) [40CFR 60 Subpart KKKK, 3-20-2009]; NOX: 124.49 LBS/MMSCF NATURAL GAS (1A) [RULE 2012, 2-5-2016]; PM: 0.01 GRAINS/SCF (5A) [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 (5B) [RULE 475, 10-8-1976; RULE 475, 8-7-1978]; SO2: (9) [40CFR 72 - Acid Rain Provisions, 11-24-1997]; SOX: 0.06 LBS/MMBTU NATURAL GAS (8) [40CFR 60 Subpart KKKK, 3-20-2009]; VOC: 1.6 PPMV NATURAL GAS (5) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2) -Offset, 12-6-2002]; VOC: 2 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)	A63.1, A63.2, A63.3, A99.1, A99.2, A99.5, A99.6, A99.7, A195.1, A195.2, A195.3, A195.5, A195.6, A327.1, C1.1, C1.2, D12.1, D29.2, D29.3, D82.1, D82.2, 1298.2, K40.1, K67.3

* (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 LONG BEACH GENERATION, LLC

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 TURBINES, POWER GENERATION					
GAS TURBINE, UNIT NO. 3, NATURAL GAS, ALSTOM, MODEL 11D5, 1,100 MMBTU/HR AT 85 DEGREES F, WITH STEAM OR WATER INJECTION WITH A/N: 625721	D6	C122	NOX: MAJOR SOURCE**	CO: 2.9 PPMV NATURAL GAS (5A) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2) -Offset, 12-6-2002]; CO: 6 PPMV NATURAL GAS (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: 2.3 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 14.44 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 2-5-2016]; NOX: 15 PPMV NATURAL GAS (8) [40CFR 60 Subpart KKKK, 3-20-2009]; NOX: 124.49 LBS/MMSCF NATURAL GAS (1A) [RULE 2012, 2-5-2016]; PM: 0.01 GRAINS/SCF (5A) [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 (5B) [RULE 475, 10-8-1976; RULE 475, 8-7-1978]; SO2: (9) [40CFR 72 - Acid Rain Provisions, 11-24-1997]; SOX: 0.06 LBS/MMBTU NATURAL GAS (8) [40CFR 60 Subpart KKKK, 3-20-2009]; VOC: 1.6 PPMV NATURAL GAS (5) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2) -Offset, 12-6-2002]; VOC: 2 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)	A63.1, A63.2, A63.3, A99.1, A99.2, A99.5, A99.6, A99.7, A195.1, A195.2, A195.3, A195.5, A195.6, A327.1, C1.1, C1.2, D12.1, D29.2, D29.3, D82.1, D82.2, I298.3, K40.1, K67.3

* (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 LONG BEACH GENERATION, LLC

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 TURBINES, POWER GENERATION					
GENERATOR, 65 MW				-BACT, 12-6-2002]	
CO OXIDATION CATALYST, UNIT NO. 3, BASF, MODEL 2B1017, WITH 130 CUBIC FEET OF TOTAL CATALYST VOLUME A/N: 463228	C122	D6 C127			
SELECTIVE CATALYTIC REDUCTION, UNIT NO. 3, CORMETECH CM 21HT, WITH 2,750 CUBIC FEET OF TOTAL CATALYST VOLUME, WIDTH: 4 FT 7 IN; HEIGHT: 40 FT 3 IN; LENGTH: 24 FT 3 IN WITH A/N: 463228	C127	C122 S133		NH3: 5 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002]	A195.4, D12.2, D12.3, D12.4, E179.1, E179.2
AMMONIA INJECTION, GRID STACK, NO. 2, COMMON TO CTG NO. 3 AND CTG NO. 4, HEIGHT: 221 FT; DIAMETER: 18 FT 11 IN A/N: 625721	S133	C127 C128			

* (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
LONG BEACH GENERATION, LLC**

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 TURBINES, POWER GENERATION					
GAS TURBINE, UNIT NO. 4, NATURAL GAS, ALSTOM, MODEL 11D5, 1.100 MMBTU/HR AT 85 DEGREES F, WITH STEAM OR WATER INJECTION WITH A/N: 625724	D7	C123	NOX: MAJOR SOURCE**	CO: 2.9 PPMV NATURAL GAS (5A) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2) -Offset, 12-6-2002]; CO: 6 PPMV NATURAL GAS (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: 2.3 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 14.44 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 2-5-2016]; NOX: 15 PPMV NATURAL GAS (8) [40CFR 60 Subpart KKKK, 3-20-2009]; NOX: 124.49 LBS/MMSCF NATURAL GAS (1A) [RULE 2012, 2-5-2016]; PM: 0.01 GRAINS/SCF (5A) [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 (5B) [RULE 475, 10-8-1976; RULE 475, 8-7-1978]; SO2: (9) [40CFR 72 - Acid Rain Provisions, 11-24-1997]; SOX: 0.06 LBS/MMBTU NATURAL GAS (8) [40CFR 60 Subpart KKKK, 3-20-2009]; VOC: 1.6 PPMV NATURAL GAS (5) [RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2) -Offset, 12-6-2002]; VOC: 2 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)	A63.1, A63.2, A63.3, A99.1, A99.2, A99.5, A99.6, A99.7, A195.1, A195.2, A195.3, A195.5, A195.6, A327.1, C1.1, C1.2, D12.1, D29.2, D29.3, D82.1, D82.2, I298.4, K40.1, K67.3

* (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 LONG BEACH GENERATION, LLC

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 TURBINES, POWER GENERATION					
GENERATOR, 65 MW				-BACT, 12-6-2002]	
CO OXIDATION CATALYST, UNIT NO. 4, BASF, MODEL 2B1071, WITH 130 CUBIC FEET OF TOTAL CATALYST VOLUME A/N: 463229	C123	D7 C128			
SELECTIVE CATALYTIC REDUCTION, NO. 4, CORMETECH CM 21HT, WITH 2,750 CUBIC FEET OF TOTAL CATALYST VOLUME, WIDTH: 4 FT 7 IN; HEIGHT: 40 FT 3 IN; LENGTH: 24 FT 3 IN WITH AMMONIA INJECTION, GRID	C128	C123 S133		NH3: 5 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002]	A195.4, D12.2, D12.3, D12.4, E179.1, E179.2
Process 9: R219 Exempt Equipment Subject to a Source-Specific Rule					
RULE 219 EXEMPT EQUIPMENT, OIL WATER SEPARATORS, GRAVITY-TYPE, < 45 FT2 AIR/LIQUID INTERFACIAL AREA	E118				H23.1
Process 10: INORGANIC CHEMICAL STORAGE					
STORAGE TANK, FIXED ROOF, TK-01, AMMONIA, 19 PERCENT SOLUTION, WITH PRV SET AT A MINIMUM OF 25 PSIG, 7000 GALS: DIAMETER: 7 FT 6.5 IN; HEIGHT: 23 FT A/N: 463221	D134				C157.1, E144.1

- * (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
LONG BEACH GENERATION, LLC**

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
LONG BEACH GENERATION, LLC**

SECTION D: DEVICE ID INDEX

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C124	3	2	0
C126	5	2	0
C127	7	2	0
C128	9	2	0
S132	3	2	0
S133	7	2	0
D134	9	10	0



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

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]

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.

[RULE 204, 10-8-1993]

DEVICE CONDITIONS



**FACILITY PERMIT TO OPERATE
LONG BEACH GENERATION, LLC**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A. Emission Limits

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

CONTAMINANT	EMISSIONS LIMIT
PM10	Less than or equal to 690 LBS IN ANY ONE MONTH
SOX	Less than or equal to 92 LBS IN ANY ONE MONTH
VOC	Less than or equal to 280 LBS IN ANY ONE MONTH

The operator shall calculate the monthly emissions for VOC, PM10, and SOx using the equation below and the following emission factors: VOC: 2.19 lb/mmcf; PM10: 5.03 lb/mmcf; and SOx: 0.71 lb/mmcf

Monthly Emissions, lb/month = x (EF)

Where x = monthly fuel usage, mmcf/month and EF = emission factor indicated above

For the purpose of this condition, the limits shall be based on the emissions from a single turbine.

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

[Devices subject to this condition : D4, D5, D6, D7]

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
SOX	Less than or equal to 915 LBS IN ANY ONE YEAR



**FACILITY PERMIT TO OPERATE
LONG BEACH GENERATION, LLC**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall calculate the monthly emissions of SOx using the equation below and the following emission factors: SOx: 0.71 lb/mmcf

$$\text{Annual Emissions, lb/year} = x (\text{EF})$$

Where x = annual fuel usage in mmcf/year and EF = emission factor indicated above

For the purpose of this condition, the limits shall be based on the emissions from a single turbine.

For the purposes of this condition, the yearly emission limit shall be defined as a period of twelve (12) consecutive months determined on a rolling basis with a new 12 month period beginning on the first day of each calendar month.

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

[Devices subject to this condition : D4, D5, D6, D7]

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
NOX	Less than or equal to 48.88 TONS IN ANY ONE YEAR

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment D4, D5, D6, and D7.

For the purpose of this condition, the yearly emission limit shall be defined as a period of twelve (12) consecutive months determined on a rolling basis with a new twelve month period beginning on the first day of each calendar month

[40CFR 52.21 - PSD, 6-19-1978]



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

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 : D4, D5, D6, D7]

- A99.1 The 2.3 PPM NOX emission limit(s) shall not apply during turbine start-up and shutdown periods. Start-up time shall not exceed 30 minutes for each start-up. Start-up emissions shall not exceed 80lbs for each start-up. Shutdown periods shall not exceed 30 minutes for each shutdown. The turbine shall be limited to a maximum of 2 start-ups per day. The turbine shall be limited to a maximum of 100 start-ups per year. Written records of start-ups and shutdowns shall be maintained and made available upon request from the Executive Officer.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D4, D5, D6, D7]

- A99.2 The 6.0 PPM CO emission limit(s) shall not apply during turbine start-up and shutdown periods. Start-up time shall not exceed 30 minutes for each start-up. Shutdown periods shall not exceed 30 minutes for each shutdown. The turbine shall be limited to a maximum of 2 start-ups per day. The turbine shall be limited to a maximum of 100 start-ups per year. Written records of start-ups and shutdowns shall be maintained and made available upon request from the Executive Officer.

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

[Devices subject to this condition : D4, D5, D6, D7]

- A99.5 The 2.0 PPM ROG emission limit(s) shall not apply during turbine start-up and shutdown periods. Start-up time shall not exceed 30 minutes for each start-up. Shutdown periods shall not exceed 30 minutes for each shutdown. The turbine shall be limited to a maximum of 2 start-ups per day. The turbine shall be limited to a maximum of 100 start-ups per year. Written records of start-ups and shutdowns shall be maintained and made available upon request from the Executive Officer.



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

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]

[Devices subject to this condition : D4, D5, D6, D7]

A99.6 The 1.6 PPM ROG emission limit(s) shall not apply during turbine start-up and shutdown periods. Start-up time shall not exceed 30 min per start-up. Shutdown time shall not exceed 30 min per shutdown. The turbine shall be limited to a maximum of 2 start-ups per day. The turbine shall be limited to a maximum of 100 start-ups per year. Written records of start-ups and shutdowns shall be maintained and made available upon request from the Executive Officer. The limit is the basis for offset calculations and shall be verified through a 60 min stack test.

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

[Devices subject to this condition : D4, D5, D6, D7]

A99.7 The 2.9 PPM CO emission limit(s) shall not apply during turbine start-up and shutdown periods. Start-up time shall not exceed 30 min per start-up. Shutdown time shall not exceed 30 min per shutdown. The turbine shall be limited to a maximum of 2 start-ups per day. The turbine shall be limited to a maximum of 100 start-ups per year. Written records of start-ups and shutdowns shall be maintained and made available upon request from the Executive Officer. The limit is the basis for offset calculations and shall be verified through a 60 min stack test.

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

[Devices subject to this condition : D4, D5, D6, D7]

A195.1 The 6.0 PPMV CO emission limit(s) is averaged over 60 minutes at 15 percent O₂, dry.



**FACILITY PERMIT TO OPERATE
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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]

[Devices subject to this condition : D4, D5, D6, D7]

A195.2 The 2.3 PPMV NOX emission limit(s) is averaged over 60 minutes at 15 percent O₂, dry.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 5-6-2005]

[Devices subject to this condition : D4, D5, D6, D7]

A195.3 The 2.0 PPMV VOC emission limit(s) is averaged over 60 minutes at 15 percent O₂, dry.

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

[Devices subject to this condition : D4, D5, D6, D7]

A195.4 The 5 PPMV NH₃ emission limit(s) is averaged over 60 minutes at 15 % O₂ dry basis. The operator shall calculate and continuously record the NH₃ slip concentration using the following:.



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

$$\text{NH}_3 \text{ (ppmv)} = [a-b*c/1\text{EE}+06]*1\text{EE}+06/b$$

Where,

$$a = \text{NH}_3 \text{ injection rate (lb/hr)}/17 \text{ (lb/lb-mol)}$$

$$b = \text{dry exhaust gas flow rate (scf/hr)}/385.3 \text{ scf/lb-mol}$$

$$c = \text{change in measured NO}_x \text{ across the SCR (ppmvd at 15\% O}_2\text{)}$$

The operator shall install and maintain a NO_x analyzer to measure the SCR inlet NO_x ppmv accurate to plus or minus 5 percent calibrated at least once every twelve months.

The operator shall use the above described method or another alternative method approved by the Executive Officer.

The ammonia slip calculation procedures described above shall not be used for compliance determination or emission information without corroborative data using and approved reference method for the determination of ammonia.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2012, 5-6-2005]

[Devices subject to this condition : C124, C126, C127, C128]

A195.5 The 1.6 PPM VOC emission limit(s) is averaged over 60 minutes at 15 percent O₂, dry basis.

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

[Devices subject to this condition : D4, D5, D6, D7]



**FACILITY PERMIT TO OPERATE
LONG BEACH GENERATION, LLC**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A195.6 The 2.9 PPM CO emission limit(s) is averaged over 60 minutes at 15 percent O₂, dry basis.

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

[Devices subject to this condition : D4, D5, D6, D7]

A327.1 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 : D4, D5, D6, D7]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the fuel usage to no more than 128.13 MM cubic feet in any one calendar month.

For the purpose of this condition, fuel usage shall be defined as the total natural gas usage of a single turbine.

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

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

[Devices subject to this condition : D4, D5, D6, D7]

C1.2 The operator shall limit the heat input to no more than 21,205 MM Btu in any one day.



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

For the purpose of this condition, heat input shall be defined as the total heat input to a single turbine.

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

[RULE 204, 10-8-1993; RULE 3002, 11-5-2010]

[Devices subject to this condition : D4, D5, D6, D7]

C157.1 The operator shall install and maintain a pressure relief valve with a minimum pressure set at 25 psig.

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

[Devices subject to this condition : D134]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage being supplied to the turbine.

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

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 2012, 5-6-2005]

[Devices subject to this condition : D4, D5, D6, D7]

D12.2 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the total hourly throughput of injected ammonia.



**FACILITY PERMIT TO OPERATE
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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 operator shall maintain the ammonia injection rate between 50 and 250 lbs/hr except during start ups and shutdowns

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 5-6-2005]

[Devices subject to this condition : C124, C126, C127, C128]

D12.3 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the exhaust 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 operator shall maintain the temperature between 700 and 1100 degrees F except during start ups and shutdowns

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 5-6-2005]

[Devices subject to this condition : C124, C126, C127, C128]

D12.4 The operator shall install and maintain a(n) pressure gauge to accurately indicate the differential pressure across the SCR catalyst bed in inches of water column.



**FACILITY PERMIT TO OPERATE
LONG BEACH GENERATION, LLC**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall maintain the differential pressure between 10 and 27 inches of water column except during start ups and shutdowns

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 5-6-2005]

[Devices subject to this condition : C124, C126, C127, C128]

D29.2 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
NI13 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 45 days of the test date. The AQMD shall be notified of the date and time of the test at least 7 days prior to the test.

The test(s) shall be conducted at least annually. If an annual source test is failed, four consecutive quarterly source tests must demonstrate compliance with the ammonia emissions limits prior to resuming annual source tests. The NOx concentration as determined by the CEMS shall be simultaneously recorded during the ammonia slip test. If the CEMS is inoperable, 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 determine compliance with the Rule 1135 and Rule 1303 concentration limits.

If the equipment is not operated in any given quarter, the operator may defer the required testing to a quarter in which the equipment is operated.



**FACILITY PERMIT TO OPERATE
LONG BEACH GENERATION, LLC**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1135, 11-2-2018; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D4, D5, D6, D7]

D29.3 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
VOC emissions	Approved District method	1 hour	Outlet of the SCR serving this equipment
PM10 emissions	Approved District method	District-approved averaging time	Outlet of the SCR serving this equipment



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

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 to determine the oxygen levels in the exhaust. In addition, the tests shall measure the fuel flow rate (CFH), the flue gas flow rate, and the turbine generating output in MW.

The test shall be conducted in accordance with AQMD approved test protocol. The protocol shall be submitted to the AQMD engineer no later than 45 days before the proposed test date and shall be approved by the AQMD before the test commences. The test protocol shall include the proposed operating conditions of the turbine 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.

The test shall be conducted when this equipment is operating at 100 percent load.

The test shall be conducted for compliance verification of the BACT VOC 2.0 ppmv limit.

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

The use of this alternative method for VOC compliance determination 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 calculated as carbon for natural gas fired turbines

The test results shall be reported with two significant digits



**FACILITY PERMIT TO OPERATE
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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 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D4, D5, D6, D7]

D82.1 The operator shall install and maintain a CEMS to measure the following parameters:



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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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 shall be installed and operated in accordance with an approved AQMD Rule 218 CEMS plan application.

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

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

CO Emission Rate, lb/hr = $K C_{co} F_d [(20.9 - \%O_2 d)] [Q_g * HHV] / 106$,
where

$K = 7.267 \times 10^{-8}$ (lb/scf)/ppm

C_{co} = Average of four consecutive 15 minute average CO concentration, ppm

$F_d = 8,710$ dscf/MMBTU natural gas

$\%O_2 d$ = Hourly average % by vol O₂ dry, corresponding to C_{co}

Q_g = Fuel gas usage during the hour, scf/hr

HHV = Gross high heating value of fuel gas, BTU/scf

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 218, 8-7-1981; RULE 218, 5-14-1999]

[Devices subject to this condition : D4, D5, D6, D7]



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D82.2 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 and shall comply with the requirements of Rule 2012.

The CEMS shall be installed and operating (for BACT purposes only) no later than 90 days after initial start-up of the turbine

[RULE 2005, 5-6-2005; RULE 2012, 5-6-2005]

[Devices subject to this condition : D4, D5, D6, D7]

E. Equipment Operation/Construction Requirements

E144.1 The operator shall vent this equipment, during filling, only to the vessel from which it is being filled.

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

[Devices subject to this condition : D134]

E179.1 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- 2

Condition Number D 12- 3



**FACILITY PERMIT TO OPERATE
LONG BEACH GENERATION, LLC**

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 2012, 5-6-2005]

[Devices subject to this condition : C124, C126, C127, C128]

E179.2 For the purpose of the following condition number(s), continuously record shall be defined as measuring at least once every month and shall be calculated based upon the average of the continuous monitoring for that month.

Condition Number D 12- 4

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 5-6-2005]

[Devices subject to this condition : C124, C126, C127, C128]

H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	464

[RULE 464, 12-7-1990]

[Devices subject to this condition : E118]

I. Administrative



**FACILITY PERMIT TO OPERATE
LONG BEACH GENERATION, LLC**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

1298.1 This equipment shall not be operated unless the facility holds 20651 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. The RTCs held to satisfy the first year of operation portion of this condition may be transferred only after one year from the initial start of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds 19629 pounds of NOx RTCs valid during that compliance year. RTCs held to satisfy the compliance year portion of this condition may be transferred only after the compliance year for which the RTCs are held. If the initial or annual hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition : D4]

1298.2 This equipment shall not be operated unless the facility holds 20651 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. The RTCs held to satisfy the first year of operation portion of this condition may be transferred only after one year from the initial start of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds 19629 pounds of NOx RTCs valid during that compliance year. RTCs held to satisfy the compliance year portion of this condition may be transferred only after the compliance year for which the RTCs are held. If the initial or annual hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition : D5]

- 1298.3 This equipment shall not be operated unless the facility holds 20651 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. The RTCs held to satisfy the first year of operation portion of this condition may be transferred only after one year from the initial start of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds 19629 pounds of NOx RTCs valid during that compliance year. RTCs held to satisfy the compliance year portion of this condition may be transferred only after the compliance year for which the RTCs are held. If the initial or annual hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition : D6]



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

I298.4 This equipment shall not be operated unless the facility holds 20651 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. The RTCs held to satisfy the first year of operation portion of this condition may be transferred only after one year from the initial start of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds 19629 pounds of NOx RTCs valid during that compliance year. RTCs held to satisfy the compliance year portion of this condition may be transferred only after the compliance year for which the RTCs are held. If the initial or annual hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

[RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]

[Devices subject to this condition : D7]

K. Record Keeping/Reporting

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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; RULE 2009, 5-11-2001]

[Devices subject to this condition : D4, D5, D6, D7]

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

Natural gas fuel use after CEMS certification

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D4, D5, D6, D7]



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

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 LONG BEACH GENERATION, LLC

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: [204]
 - a. Three years for a facility not subject to Title V; or
 - b. Five years for a facility subject to Title V.
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, 204]
 - 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 a large NO_x source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
 - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes. [204]



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

SECTION E: ADMINISTRATIVE CONDITIONS

- e. 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 compound 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]
- f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent carbon dioxide (CO₂) at standard conditions and averaged over 15 consecutive minutes. [409]
- g. 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. All equipment operating under the RECLAIM program shall comply concurrently with all SCAQMD Rules and Regulation, except those listed in Table 1 of Rule 2001 for NO_x RECLAIM sources and Table 2 of Rule 2001 for SO_x RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO_x or SO_x emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed SCAQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO_x or SO_x source, respectively. [2001]
9. 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.



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

SECTION E: ADMINISTRATIVE CONDITIONS

- b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, 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/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 (no conflict of interest).
10. 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.
 - b. Brief description of the equipment tested.
 - 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/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.



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

SECTION E: ADMINISTRATIVE CONDITIONS

- f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
11. 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]
 12. 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]



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

I. NOx Monitoring Conditions

A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate an SCAQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major NOx source to continuously measure the concentration of NOx emissions and all other applicable variables specified in Rule 2012, Table 2012-1 and Rule 2012, Appendix A, Table 2-A to determine the NOx emissions rate from each source. The time-sharing of CEMS among NOx sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2012]
2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2012]
3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by SCAQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2012. [2012]
4. Use valid data collected by an SCAQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2012, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
 - a. compliance with the annual Allocation;
 - b. excess emissions;
 - c. the amount of penalties; and
 - d. fees.



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

5. Follow missing data procedures as specified in Rule 2012 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
 - a. compliance with the annual Allocation;
 - b. excess emissions;
 - c. the amount of penalties; and
 - d. fees.

B. The Operator of a NOx Large Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall, as applicable:

Not Applicable

II. NOx Source Testing and Tune-up conditions

1. The operator shall conduct all required NOx source testing in compliance with an SCAQMD-approved source test protocol. [2012]
2. The operator shall, as applicable, conduct source tests for every large NOx source no later than June 30, 1997 and every 3 years thereafter. The source test shall include the determination of NOx concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]



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LONG BEACH GENERATION, LLC**

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

3. All NO_x large sources and NO_x process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

I. Recordkeeping Requirements for all RECLAIM Sources

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to SCAQMD staff upon request and be maintained for at least:
 - a. Three years after each APEP report is submitted to SCAQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
 - b. Five years after each APEP report is submitted to SCAQMD for a facility subject to Title V. [3004(a)(4)(E)]
 - c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

II. Reporting Requirements for all RECLAIM Sources

1. The operator shall submit a quarterly certification of emissions including the facility's total NOx or SOx emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

NOx Reporting Requirements

- A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:



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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report every day to the SCAQMD central station for each major NOx source, the total daily mass emissions of NOx and daily status codes. Such data shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 24 hours extension to submit the report. [2012]
 2. Calculate NOx emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2012 if the Facility Permit holder fails to meet the deadline for submitting the daily report. Notwithstanding the preceding condition, in no more than three non-consecutive occurrences per compliance year the reporting deadline extension following a system failure that precludes the Facility Permit holder from timely reporting shall be 96 rather than 24 hours provided that the raw data as obtained by the direct monitoring device is stored at the facility. [2012]
 3. Submit an electronic report within 15 days following the end of each month totaling NOx emissions from all major NOx sources during the month. [2012]
 4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by SCAQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2012]
- B. The Operator of a NOx Large Source, as defined in Rule 2012, shall:
Not Applicable
- C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall:



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

Not Applicable



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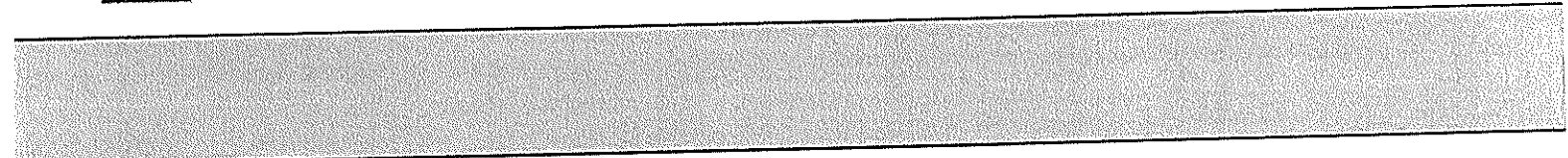
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

NONE



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SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

NONE

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.



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SECTION J: AIR TOXICS

NOT APPLICABLE



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

~~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 LONG BEACH GENERATION, LLC

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 LONG BEACH GENERATION, LLC

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 LONG BEACH GENERATION, LLC

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 LONG BEACH GENERATION, LLC

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 LONG BEACH GENERATION, LLC

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.



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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;



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- (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 LONG BEACH GENERATION, LLC

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 1100	12-7-2018	Non federally enforceable
RULE 1113	2-5-2016	Federally enforceable
RULE 1135	11-2-2018	Non 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(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
RULE 1714	12-10-2012	Federally enforceable
RULE 1714	3-1-2019	Non federally enforceable
RULE 2005	12-4-2015	Federally enforceable
RULE 2005	6-3-2011	Federally enforceable
RULE 2009	1-7-2005	Non federally enforceable
RULE 2009	5-11-2001	Non federally enforceable
RULE 2012	2-5-2016	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 218	5-14-1999	Federally enforceable
RULE 218	8-7-1981	Federally enforceable



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 218.1	5-14-1999	Federally enforceable
RULE 218.1	5-4-2012	Non federally enforceable
RULE 219	4-6-2018	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-5-2010	Federally enforceable
RULE 3003	11-5-2010	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	7-12-2019	Non 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 430	7-12-1996	Non federally enforceable
RULE 431.1	6-12-1998	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 701	6-13-1997	Federally enforceable
40CFR 52.21 - PSD	6-19-1978	Federally enforceable
40CFR 60 Subpart KKKK	3-20-2009	Federally enforceable
40CFR 60 Subpart KKKK	7-6-2006	Federally enforceable
40CFR 72 - Acid Rain Provisions	11-24-1997	Federally enforceable



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

NONE



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

APPENDIX B: RULE EMISSION LIMITS [40CFR 72 - Acid Rain Provisions 11-24-1997]

1. A Title V permit revision is not required for emission increases that are authorized by allowances acquired under the Acid Rain Program, provided that the increases do not trigger a Title V permit revision under any other applicable requirement. [70.6 (a)(4)(ii)]

Monitoring Requirements

2. The owners and operators and, to the extent applicable, the designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR Parts 74, 75, and 76. [40 CFR 72.50, 72.31, 72.9(b)(1)]
3. The emissions measurements recorded and reported in accordance with 40 CFR Part 75 shall be used to determine compliance by the unit with the acid rain emissions limitations and emissions reduction requirements for sulfur dioxide (SO₂) under the Acid Rain Program. [40 CFR 72.9(b)(2), 40 CFR 75.2]
4. The requirements of 40 CFR Parts 74 and 75 shall not affect the responsibility of the operator to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements and other provisions of this permit. [40 CFR 72.9(b)(3), 40 CFR 72.5]

Sulfur Dioxide Requirements

5. The owners and operators of each source and each affected unit at the source shall:
 - (A) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR Part 73, Section 73.34(C)) not less than the total annual emissions of SO₂ for the previous calendar year from the unit; and, [40 CFR 72.9(c)(i)],
 - (B) Comply with the applicable acid rain emissions limitations for SO₂. [40 CFR 72.9(c)(ii)]
6. Each ton of SO₂ emitted in excess of the acid rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act. [40 CFR 72.9(g)(7)]



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

APPENDIX B: RULE EMISSION LIMITS

[40CFR 72 - Acid Rain Provisions 11-24-1997]

7. SO₂ allowances shall be held in, deducted from, or transferred among allowance tracking system accounts in accordance with the Acid Rain Program. [40 CFR 72.9(g)(4)]
8. A SO₂ allowance shall not be deducted in order to comply with the requirements under paragraph 41(A) of the SO₂ requirements prior to the calendar year for which the allowance was allocated. [40 CFR 72.9(g)(5)]
9. An affected unit shall be subject to the SO₂ requirements under the Acid Rain Program as follows:[40 CFR 72.6(a)]
 - (A) Starting January 1, 2000, an affected unit under 40 CFR Part 72, Section 72.6(a)(2), or [40 CFR 72.6(a)(2)]
 - (B) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR Part 75, an affected unit under 40 CFR Part 72, Section 72.6(a)(3). [40CFR 72.6(a)(3)]
10. An allowance allocated by the EPA administrator under the Acid Rain Program is a limited authorization to emit SO₂ in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the acid rain permit application, the acid rain permit, or the written exemption under 40 CFR Part 72, Sections 72.7, 72.8, or 72.14, and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization. [40 CFR 72.9 (c)(6)]
11. An allowance allocated by the EPA Administrator under the Acid Rain Program does not constitute a property right. [40 CFR 72.9(c)(7)]

Excess Emissions Requirements

12. The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77. [40 CFR 72.9(e)]



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

APPENDIX B: RULE EMISSION LIMITS [40CFR 72 - Acid Rain Provisions 11-24-1997]

13. The owners and operators of an affected unit that has excess emissions in any calendar year shall: [40 CFR 72.9(e)(2)]

(A) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR Part 77; and [40 CFR 72.9(e)(2)(i)]

(B) Comply with the terms of an approved offset plan, as required by 40 CFR Part 77. [40 CFR 72.9(e)(2)(ii)]

Recordkeeping and Reporting Requirements

14. Unless otherwise provided, the owners and operators of the source and each affected unit at the source that are subject to the acid rain provisions under Title IV shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the EPA Administrator or the Executive Officer. [40 CFR 72.9(f)(1)]

(A) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such five year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative; [40 CFR 72.9(f)(1)(i)]

(B) All emissions monitoring information, in accordance with 40 CFR Part 75; [40 CFR 72.9(f)(1)(ii)]

(C) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and, [40 CFR 72.9(f)(1)(iii)]

(D) Copies of all documents used to complete an acid rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program. [40 CFR 72.9(f)(1)(iv)]



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

APPENDIX B: RULE EMISSION LIMITS

[40CFR 72 - Acid Rain Provisions 11-24-1997]

15. The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR Part 72 Subpart I and 40 CFR Part 75. [40 CFR 72.9(f)(2)]

Liability

16. Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete acid rain permit application, an acid rain permit, or a written exemption under 40 CFR Part 72, Sections 72.7, 72.8, or 72.14, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to Section 113(c) of the Act. [40 CFR 72.9 (g)(1)]
17. Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to Section 113(c) of the Act and 18 U.S.C. 1001. [40 CFR 72.9 (g)(2)]
18. No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect. [40 CFR 72.9 (g)(3)]
19. Each affected source and each affected unit shall meet the requirements of the Acid Rain Program. [40 CFR 72.9 (g)(4)]
20. Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source. [40 CFR 72.9 (g)(5)]



FACILITY PERMIT TO OPERATE LONG BEACH GENERATION, LLC

APPENDIX B: RULE EMISSION LIMITS [40CFR 72 - Acid Rain Provisions 11-24-1997]

21. Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR Part 72, Section 72.44 (Phase II repowering extension plans) and 40 CFR Part 76, Section 76.11 (NOx averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR Part 75, Sections 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative. [40 CFR 72.9 (g)(6)]
22. Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act. [40 CFR 72.9 (g)(7)]

Effect on Other Authorities

23. No provision of the Acid Rain Program, an acid rain permit application, an acid rain permit, or a written exemption under 40 CFR Part 72, Sections 72.7, 72.8, or 72.14 shall be construed as: [40 CFR 72.9 (h)]

(A) Except as expressly provided in Title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of Title I of the Act relating to applicable National Ambient Air Quality Standards or state implementation plans; [40 CFR 72.9 (h)(1)]

(B) Limiting the number of allowances a unit can hold; *provided*, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act; [40 CFR 72.9 (h)(2)]



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APPENDIX B: RULE EMISSION LIMITS

[40CFR 72 - Acid Rain Provisions 11-24-1997]

(C) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law; [40 CFR 72.9 (h)(3)]

(D) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or, [40 CFR 72.9 (h)(4)]

(E) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established. [40 CFR 72.9 (h)(5)]