

Internal Use Only	
APP Record ID APCD20	-APP-
SITE Record ID APCD20	-SITE-

GENERAL PERMIT OR REGISTRATION APPLICATION FORM



Submittal of this application does not grant permission to construct or to operate equipment except as specified in Rule 24(c) or (d)

REASON FOR SUBMITTAL OF APPLICATION:

- | | | |
|--|---|--|
| <input type="checkbox"/> New Installation | <input type="checkbox"/> Existing Unpermitted Equipment or Rule 11 Change | <input type="checkbox"/> Modification of Existing Permitted Equipment |
| <input type="checkbox"/> Amendment to Existing Authority to Construct or Application | <input type="checkbox"/> Change of Equipment Location | <input type="checkbox"/> Change of Equipment Ownership (please provide proof of ownership) |
| <input type="checkbox"/> Change of Permit Conditions | <input type="checkbox"/> Change Permit to Operate Status to Inactive | <input type="checkbox"/> Banking Emissions |
| <input type="checkbox"/> Registration of Portable Equipment | <input checked="" type="checkbox"/> Other (Specify) <u>Initial Title V Permit Application</u> | |

List affected APP/PTO Record ID(s): 911504 960443

APPLICANT INFORMATION

Name of Business (DBA) GOAL LINE L.P.

Does this organization own or operate any other APCD permitted equipment at this or any other adjacent locations? ☐ Yes ☒ No

If yes, list assigned Site Record IDs listed on your Permits _____

Name of Legal Owner (if different from DBA) _____

Equipment Owner

Authority to Construct Mailing Address

Name: GOAL LINE L.P.	Name: SAME
Mailing Address: 555 N. Tulip Street	Mailing Address:
City: Escondido State: CA Zip: 92025	City: State: Zip:
E-Mail Address:	E-Mail Address:

Permit To Operate Mailing Address

Invoice Mailing Address

Name: SAME	Name: SAME
Mailing Address:	Mailing Address:
City: State: Zip:	City: State: Zip:
E-Mail Address:	E-Mail Address:

EQUIPMENT/PROCESS INFORMATION: Type of Equipment: ☒ Stationary ☐ Portable, *if portable please enter below the equipment storage address.* If portable, will operation exceed 12 consecutive months at the same location ☐ Yes ☐ No

Equipment Location Address 555 N. Tulip Street City Escondido State: CA

Parcel No. Zip 92025 Phone () E-mail:

Site Contact Robert Mason Phone (760) 738-4999

General Description of Equipment/Process 49.8 MW combined cycle cogeneration plant with auxiliary boiler.

Application Submitted by ☐ Owner ☒ Operator ☐ Contractor ☐ Consultant Affiliation

EXPEDITED APPLICATION PROCESSING: ☐ I hereby request Expedited Application Processing and understand that:

- a) Expedited processing will incur additional fees and permits will not be issued until the additional fees are paid in full (see Rule 40(d)(8)(iv) for details) b) Expedited processing is contingent on the availability of qualified staff c) Once engineering review has begun this request cannot be cancelled d) Expedited processing does not guarantee action by any specific date nor does it guarantee permit approval.

I hereby certify that all information provided on this application is true and correct.

SIGNATURE Robert Mason Date 9/12/16
 Print Name Robert Mason, Plant Manager Company Goal Line L.P.
 Phone (760) 738-4999 E-mail Address

Internal Use Only

Date	Staff Initials:	Amt Rec'd \$	Fee Schedule
RNP:	EMF:	NBF:	TA:

GEN_APP_Form_Rev Date: Feb. 2015

SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT

APPLICATION FEE ESTIMATE

Applicant DBA: Goal Line LP Fee Schedule: _____

APCD Engineer: Doug Erwin Estimate Date: 8/2/2016

Application: Initial Title V permit, power generation source newly subject to acid rain.

ACTIVITY	LABOR CODE	CLASSIFICATION	LABOR HOURS	LABOR RATE	COST	SUBTOTAL
TV	EG3	Associate Engineer		\$150		
	EG4	Senior Engineer	52	\$177	\$9,204	
	EG2	Assistant Engineer		\$131		
P/O	EG3	Associate Engineer		\$150		
	EG4	Senior Engineer		\$177		
		(fixed fee)			\$9,204	\$9,204
NSR	EG3	Associate Engineer		\$150		
HRA	EG3	Associate Engineer		\$150		
	MET3	Associate Meteorologist		\$101		
*A C E fee						
				\$116		
IT Fees	ITA			\$13		
	ITP			\$13		
	ITE			\$3		
Deficit	EG3	Associate Engineer		\$150		
	CH3	Associate Chemist		\$99		
	ST1	Source Test Technician		\$76		
		Non-refundable Base Fee	1	\$95	\$95	\$95
Renewal Fee						

Notes:

* ACE fee is the Air Contaminant Emissions Fee

Work records are kept, which may result in a final fee more or less than this estimate.

ESTIMATE TOTAL: **\$9,299**

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Stationary Source Summary (FORM 1401-A1)

Goal Line, L.P. Company Name	District Use Only NEDS # _____ SITE ID # _____
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I. FACILITY IDENTIFICATION

1. Facility Name (if different than company name): Goal Line, L.P.
2. Four digit SIC Code: 4911
3. Parent Company (if different than Company Name): Arroyo Energy, L.P. (General Partner)
4. Mailing Address: 600 17th Street, Suite 2400S
 City Denver State CO Zip 80202
5. Street Address or Source Location: 555 North Tulip Street
 City Escondido State CA Zip 92025
6. UTM Coordinates: S490765, E3664498
7. Source Located within 50 miles of a state line: ☒ Yes ☐ No (All sources **are** within 50 miles)
8. Source Located within 1000 feet of a school: ☐ Yes ☒ No
9. Type of Organization: ☐ Corporation ☐ Sole Ownership ☐ Government
☒ Partnership ☐ Utility Company
10. Legal Owner's Name: Goal Line, L.P.
11. Owner's Agent name (if any): _____
12. Responsible Official: Robert Mason, Facility Manager
13. Plant Site Manager/Contact: Robert Mason Phone #: (760) 738-4999 FAX #: (760) 738-8560
14. Application Contact: Bob Louallen, Asset Manager-California (702)-331-1665
15. Type of Facility: Cogeneration Plant
16. General description of processes/products: Combined cycle cogeneration plant with auxiliary boiler
17. Is a Federal Risk Management Plan (RMP) pursuant to Section 112(r) required? ☒ YES

II. TYPE OF PERMIT ACTION (check)	CURRENT PERMIT (permit number)	EXPIRATION (date)
<input checked="" type="checkbox"/> Initial Title V Application	N/A	N/A
<input type="checkbox"/> Permit Renewal		
<input type="checkbox"/> Significant Permit Modification		
<input type="checkbox"/> Minor Permit Modification		
<input type="checkbox"/> Administrative Amendment		

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve:

<input checked="" type="checkbox"/> Acid Rain Source	<input type="checkbox"/> Temporary Source	<input type="checkbox"/> Voluntary Emissions Caps
<input checked="" type="checkbox"/> CEMs	<input type="checkbox"/> Alternative Operating Scenarios	<input checked="" type="checkbox"/> Abatement Devices
<input type="checkbox"/> Outdated SIP Requirement Streamlining	<input type="checkbox"/> Permit Shield	
<input type="checkbox"/> Source Subject to MACT Requirements [Section 112]	<input checked="" type="checkbox"/> Multiple Applicable Requirement Streamlining	
<input type="checkbox"/> Source Subject to Enhanced Monitoring (40CFR64) [Compliance Assurance Monitoring]		
2. Is source operating under a Compliance Schedule? ☐ Yes ☒ No ☐ Proposed
3. Is source operating under a Variance ☐ Yes ☒ No (If Yes, please attach variance information)
4. For permit modification, provide a general description of the proposed permit modification:

IV. SUPPLEMENTAL ATTACHMENTS*: (1) Emission calculations and (2) streamlining analyses

* Means all attachments to the complete application.

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Stationary Source Summary (FORM 1401-A2)

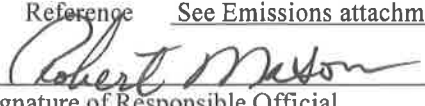
Company Name	District Use Only
<u>Goal Line, L.P.</u>	NEDS # _____ SITE ID # _____

I. MAJOR SOURCE APPLICABILITY

Check appropriate pollutant(s) for which you are a Major Source under Title V. Applicability is based on potential to emit. If more space is necessary, use additional forms. Please type or print legibly.

POLLUTANT	MAJOR SOURCE THRESHOLD TOTAL EMISSIONS, TPY	(check if appropriate)
VOC	100	<input type="checkbox"/>
PM ₁₀	100	<input type="checkbox"/>
SO ₂	100	<input type="checkbox"/>
NO _x	100	<input type="checkbox"/>
CO	100	<input type="checkbox"/>
ODC	100	<input type="checkbox"/>
LEAD COMPOUNDS	10	<input type="checkbox"/>
HAZARDOUS AIR POLLUTANTS		
SINGLE HAP	10	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
COMBINATION HAP	25	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

Attach all necessary calculations to this form as applicable. NOTE: Calculations are only needed if no Emission Inventory is on file with the District

Reference See Emissions attachments

Signature of Responsible Official
Robert Mason
Print Name of Responsible Official
Plant Manager
Title of Responsible Official

Inventory Year PTE only
8/12/16
Date
(760) 738-4999
Telephone No. of Responsible Official

II. EMISSIONS CALCULATIONS ATTACHED (as needed)

☒ Yes ☐ No

DISTRICT USE ONLY

Date Application Received: _____ Application # _____
Application Filing Fee: _____ District Received Stamp: _____
Receipt #: _____ Fee Code: _____

San Diego County Air Pollution Control District
10124 Old Grove Rd., San Diego, CA 92131
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Insignificant Activity List (FORM 1401-G)

Company Name Goal Line L.P.	District Use Only NEDS # _____ SITE ID # _____
Facility Address: 555 North Tulip Street, Escondido, CA 92025	

LIST OF EQUIPMENT – INSIGNIFICANT ACTIVITIES

Place a check mark in the appropriate box for equipment that is considered an insignificant activity based on throughput or equipment capacity.

Exemptions based on Size (Capacity)

<u>(Condensed Language of Rule)</u>	<u>Appendix A Citation</u>
<input type="checkbox"/> Stationary & portable internal combustion engines with ≤ 50 bhp output rating	(d)(1)(iii)
<input type="checkbox"/> Stationary gas turbines with a power rating of < 0.3 megawatt (MW) or a maximum gross heat input rating of 1 million BTUs per hour	(d)(1)(iv)
<input checked="" type="checkbox"/> Water cooling towers & ponds with a capacity $< 10,000$ gal/min not used for evaporative cooling of process water or not used for evaporative cooling of water, contaminated water or industrial waste water from barometric jets or from barometric condensers.	(d)(2)
<input type="checkbox"/> Fuel-burning equipment with a maximum gross heat input rate of < 1 million Btu/hour when not part of a process, process line, line, equipment, article, machine or other contrivance for which a permit to operate is required by these Rules and Regulations	(d)(4)(i)
<input type="checkbox"/> Fuel burning equipment with a maximum gross heat input of < 20 million Btu/hour, and fired exclusively with natural gas and/or liquefied petroleum gas	(d)(4)(ii)
<input type="checkbox"/> Steam boilers, process heaters, and steam generators with a maximum gross heat input of < 5 million Btu/hour	(d)(4)(iii)
<input type="checkbox"/> Crucible-type or pot-type furnaces with a brimful capacity of < 450 in ³ of any molten metal	(d)(12)
<input type="checkbox"/> Crucible, pot or induction furnaces with a capacity of ≤ 2500 in ³ , in which no sweating or distilling is conducted and from which only non-ferrous metals except yellow brass, are poured or non-ferrous metals are held in a molten state	(d)(13)
<input type="checkbox"/> Dry batch mixers with ≤ 0.5 cubic yards rated working capacity	(d)(27)
<input type="checkbox"/> Batch mixers (wet) with ≤ 1 cubic yard capacity where no organic solvents, diluents or thinners are used.	(d)(28)
<input type="checkbox"/> Roofing kettles (used to heat asphalt) with a capacity of ≤ 85 gallons	(d)(33)
<input checked="" type="checkbox"/> Abrasive blasting equipment with a manufacturer's-rated sand capacity of < 100 lbs or < 1 ft ³	(d)(34)
<input type="checkbox"/> Paper shredders and paper disintegrators that have a capacity of 600 pounds per hour or less, and the associated conveying systems and baling equipment.	(d)(41)
<input type="checkbox"/> Ovens having an internal volume of ≤ 27 ft ³ in which organic solvents or materials containing organic solvents are charged	(d)(59)
<input type="checkbox"/> Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks with a liquid surface area of ≤ 1.0 ft ²	(d)(61)(i)
<input type="checkbox"/> Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks which have a maximum capacity of ≤ 1 gallon	(d)(61)(ii)

TITLE V APPLICATION Insignificant Activity List (FORM 1401-G)
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Continued - Exemptions based on Size (Capacity)

<u>(Condensed Language of Rule)</u>	<u>Appendix A Citation</u>
<input type="checkbox"/> Stationary organic compound storage tanks with a capacity of ≤ 250 gallons	(e)(1)
<input type="checkbox"/> Liquid surface coating application operations using hand-held brushes for application of a primer coating from containers of \leq eight (8) ounces in size, to fasteners to be installed on aerospace parts	(h)(5)
<input type="checkbox"/> Liquid surface coating application operations using air brushes with a coating capacity of ≤ 2 ounces for the application of a stencil coating	(h)(6)
<input type="checkbox"/> Metal inspection tanks that: a) do not utilize a suspension of magnetic or fluorescent dye particles in volatile organic solvent, and b) have a liquid surface area $< 5 \text{ ft}^2$ and c) are not equipped with spray type flow or a means of solvent agitation	(o)(5)
<input type="checkbox"/> Bakery ovens used for baking yeast leavened products where the combined rated heat input capacity is < 2 million Btu/hr	(o)(37)

Exemptions based on Production Rates (Emission Limits)

<input type="checkbox"/> Printing or graphic arts presses located at a stationary source which emits a total of < 15 lbs/day of VOC's subject to Rule 67.16, on each day of operation	(d)(7)
<input type="checkbox"/> Solder levelers, hydrosqueegees, wave solder machines, and drag solder machines which use < 10 lbs/day of any material containing VOCs	(d)(23)
<input type="checkbox"/> Fire extinguishing equipment, using halons with a charge of < 50 lbs. of a Class I or Class II ozone depleting compound.	(d)(31)
<input type="checkbox"/> Coffee roasting equipment with a manufacturer's rating of ≤ 15 lbs/hr	(d)(45)
Equipment used to manufacture bio-agricultural products for exclusive use in field testing required to obtain FDA, EPA, USDA and /or Cal-EPA approval, provided the uncontrolled emissions of VOCs from all such operations < 5 ton/yr.	(d)(49)(iii)
<input type="checkbox"/> Oil quenching tanks which use < 20 gal/yr of make-up oil	(d)(56)
<input type="checkbox"/> Equipment that is used to conduct research and develop new or improved processes/products, and is operated by technically trained personnel under the supervision of a research director, and is not used in the manufacture of products for sale or exchange for commercial profit, and all emissions are < 15 lbs/day.	(d)(48)
<input type="checkbox"/> Powder coating operations, except metalizing gun operations, where surface preparation or cleaning solvent usage is < 0.5 gal/day	(d)(62)
<input type="checkbox"/> Equipment used to transfer fuel to & from amphibious ships for maintenance purposes, provided total annual transfers $< 60,000$ gal/yr.	(f)(2)
<input type="checkbox"/> Stationary storage tanks (excluding tanks subject to Rule 61.9) used exclusively for the storage of liquid organic solvents used as dissolvers, viscosity reducers, reactants, extractants, cleaning agents or thinners provided that emissions < 15 lbs/day.	(e)(3)
<input type="checkbox"/> Liquid surface coating or adhesive application operations (portable or stationary) where not more than 20 gallons per year of material containing organic compounds are applied	(h)(1)
<input type="checkbox"/> Liquid surface coating application operations exclusively using materials with a VOC content of < 20 g/L where < 30 gal/day of such materials are applied.	(h)(2)
<input type="checkbox"/> Foam manufacturing or application operations which emit < 5 lbs/day of VOCs	(i)(1)
<input type="checkbox"/> Reinforced plastic fabrication operations using resins such as epoxy and/or polyester which emit < 5 lbs/day of VOCs	(i)(2)
<input type="checkbox"/> Plastics manufacturing or fabrication operations which emit < 5 lbs/day of VOCs	(i)(3)
<input type="checkbox"/> Cold solvent degreasers used for educational purpose and which emit < 5 lbs/day of VOCs	(i)(4)

TITLE V APPLICATION
Insignificant Activity List (FORM 1401-G)

- | | | |
|--------------------------|--|-------------|
| <input type="checkbox"/> | Golf grip application stations which exclusively use liquid materials with an initial boiling point of 450°F (232°C), or greater and which emit < 5 lbs/day of VOCs. | (i)(5) |
| <input type="checkbox"/> | Batch-type waste-solvent recovery stills with batch capacity of ≤ 7.5 gallons for onsite recovery provided the still is equipped with a safety device & VOC emissions are < 5 lbs/day | (i)(6) |
| <input type="checkbox"/> | Peptide and DNA synthesis operations which emit < 5 lbs/day of VOCs | (i)(7) |
| <input type="checkbox"/> | Equipment used for washing or drying articles fabricated from metal, cloth, fabric or glass, provided that no organic solvent is employed in the process and that no oil or solid fuel is burned and none of the products being cleaned has residues of organic solvent and VOC emissions are <5 lbs/day | (i)(8) |
| <input type="checkbox"/> | Hot wire cutting of expanded polystyrene foam which emit < 5 lbs/day of VOCs. | (i)(9) |
| <input type="checkbox"/> | Any coating and/or ink manufacturing operations located at a stationary source, which emit < 15 lbs/day of VOCs. | (o)(9) |
| <input type="checkbox"/> | Any operation producing materials for use in cosmetic or pharmaceutical products and/or manufacturing cosmetic or pharmaceutical products by chemical processes, which emit < 15 lbs/day of VOCs | (o)(12) |
| <input type="checkbox"/> | Refrigeration units except those used as, or with, air pollution control equipment with a charge of < 50 lbs of a Class I or II ozone depleting compound. | (o)(18) |
| <input type="checkbox"/> | Atmospheric organic gas sterilizer cabinets where ethylene oxide emissions are < 5 lbs/yr | (o)(28) |
| <input type="checkbox"/> | Aerosol can puncturing/crushing operations which vents all emissions through a properly operated/maintained carbon canister, provided < 500 cans/day are processed. | (o)(29)(ii) |
| <input type="checkbox"/> | Solvent wipe cleaning operations using a container applicator that minimizes emissions to the air where the uncontrolled emissions of VOCs < 5 ton/yr, or the total purchase of solvents < 1,500 gal/yr, or the total purchase of solvents containing a single HAP < 350 gal/yr. | (o)(32) |
| <input type="checkbox"/> | Equipment approved for use by the EPA for recovering and/or recycling CFCs provided such equipment is charged with < 50 lbs. of a Class I or II ozone depleting compound. | (o)(33) |
| <input type="checkbox"/> | Stationary IC engines rated at ≤ 200 bhp installed and operated before November 15, 2000, which operate < 200 hr/yr. | (o)(34)(ii) |

San Diego County Air Pollution Control District
10124 OLD GROVE ROAD SAN DIEGO CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1)

Goal Line L.P.	Company Name <div style="border-bottom: 1px solid black; height: 1.2em; width: 100%;"></div>
	District Use Only <div style="display: flex; justify-content: space-between;"> <div>NEDS #</div> <div>SITE ID #</div> </div>

APPLICABLE REQUIREMENTS: Applicable requirements which apply to an entire facility are listed first. The applicant should check appropriate boxes on the form and attach emission unit specific permit number lists where necessary. Where streamlining is employed, note on this form. If information does not fit in the space allotted, attach documentation and reference it on this form. **Type or print legibly.**

GT = Gas Turbine; AB = Auxiliary Boiler

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	G T	A B														Future Effective Date
Facility Applicable Requirement Description																				
10(a)	Permits Required – (a) Authority to Construct			X	X	X														
10(b)	Permits Required – (b) Permit to Operate			X	X	X														
19	Provision of Sampling & Testing Facilities			X	X	X														
19.2	Continuous Emission Monitoring Requirements				X															
19.3	Emission Information			X																
NSR	New Source Review			X																
PSD	Prevention of Significant Deterioration																			
21	Permit Conditions			X	X	X														
50	Visible Emissions			X																
51	Nuisance			X																
60	Circumvention			X																
67.0	Architectural Coatings	(g)		X																
67.17	Storage of Materials Containing VOC	(e)		X																
71	Abrasive Blasting																			
98	Breakdown Conditions: Emergency Variance				X	X														
101	Burning Control																			
131	Stationary Source Curtailment Plan																			
132	Traffic Abatement Plan																			

TITLE V AIR QUALITY CERTIFICATION

Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

GT = Gas Turbine; AB = Auxiliary Boiler

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	G T	A B													Future Effective Date
Equipment Specific Applicable Requirement Description																			
50	Visible Emissions					X	X												
51	Nuisance					X	X												
52	Particulate Matter	Method 5				X	X												
53	Specific Contaminants	Method 5				X	X												
53.1	Scavenger Plants																		
54	Dust and Fumes	Method 5																	
58	Incinerator Burning																		
59	Control of Waste Disposal – Site Emissions	(e)	(e) & (f)																
60	Circumvention					X	X												
61.1	Receiving & Storing VOCs at Bulk Plants & Terminals	(d)	(c)(7)																
61.2	Transfer of VOCs into Mobil Transport Tanks	(c)(10)																	
61.3	Transfer of VOCs into Stationary Storage Tanks		(c)(2)(iii)																
61.3.1	Transfer Of Gasoline Into Stationary Underground Storage Tanks (not in the SIP)	(h)	(g)																
61.4	Transfer of VOCs into Vehicle Fuel Tanks																		
61.4.1	Transfer Of Gasoline From Stationary Underground Storage Tanks Into Vehicle Fuel Tanks (not in the SIP)	(g)	(f)																
61.5	Visible Emissions Standards for Vapor Control Equip.		VE																
61.7	Spillage & Leakage of VOCs																		
61.8	Certification Requirements for Vapor Control Equip.																		
62	Sulfur Content of Fuels					X	X												
64	Reduction of Animal Matter																		
66	Organic Solvents	(p)	(o)																
66.1	Misc. Surface Coating Operations & other Processes Emitting VOC (not in SIP)	(h)	(f)																
67.1	Alternative Emission Control Plans (AECIP)	(c)	(d)																
67.2	Dry Cleaning - Petroleum Solvent	(f)	(e)																
67.3	Metal Parts Coating	(g)	(f)																
67.4	Can & Coil Coating	(g)	(f)																
67.5	Paper, Film and Fabric Coating	(f)	(e)																

TITLE V Air Pollution

Applicable Requirements Summary Checklist (FORM 1401-HI) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Rule Section	Facility																Future Effective Date
67.6	Solvent Cleaning Operation	(f)		X																
67.6.1	Cold Solvent Cleaning and Stripping Operations	(g)	(f)																	
67.7	Cutback & Emulsified Asphalt	(f)	(e)																	
67.9	Aerospace Coating Operations	(g)	(f)																	
67.10	Kelp Processing and Bio-Polymer Mfg.	(f)	(e)																	
67.11	Wood Products Coating Operations (not in SIP)																			

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Rule Section	Facility																Future Effective Date
67.12	Polyester Resin Operations	(g)	(f)																	
67.15	Pharmaceutical & Cosmetic Manufacturing	(e)																		
67.16	Graphic Arts Operations	(g)	(f)																	
67.17	Open VOC Containers	(e)																		
67.18	Marine Coating Operations	(g)	(f)																	
67.19	Coating and Printing Inks Mfg. Operations	(g)	(f)																	
67.20	Motor Vehicle & Mobile Equipment Refinishing Operations																			
67.21	Adhesive Material Application Operations																			
67.22	Expandable Polystyrene Foam Products Manufacturing Operations (not in SIP)																			
67.24	Bakery Ovens	(f)	(e)																	
68	Fuel Burning Equipment - NOx																			
69.2	Boilers	(f)	(e) & (g)																	
69.3	Stationary Gas Turbine Engines - RACT	(f)	(e) & (g)																	
69.3.1	Stationary Gas Turbine Engines - BARCT (not in SIP)	(f)	(e) & (g)																	
69.4	Stationary Internal Combustion Engines - RACT	(f)	(e)																	
69.4.1	Stationary Internal Combustion Engines - BARCT (not in SIP)	(f)	(e)																	
70	Orchard Heaters																			

GT = Gas Turbine; AB = Auxiliary Boiler; S = Contains Subsumed Requirements

TITLE V APPLICATION

[illegible][illegible]

SUBPART	Regulation X - Standards of Performance for New Stationary Sources (NSPS)	Rule #	Rule #
A	General Provisions		260.7 260.13
D	Standards of Performance for Fossil-Fuel Fired Steam Generators	260.46	260.45
Da	Standards of Performance for Electric Utility Steam Generating Units Constructed After September 18, 1978		260.47a 260.48a 260.49a
Db	Standards of Performance for Industrial-Commercial-Institutional Steam Generating	260.45b 260.46b	260.47b 260.48b 260.49b
E	Standards of Performance for Incinerators	260.54	260.53
I	Standards of Performance for Asphalt Concrete Plants	260.93	

GT = Gas Turbine; AB = Auxiliary Boiler

TITLE V A.1. CATION

Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

K	Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after June 11, 1973 and Prior to May 19, 1978	260.113																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Subpart

L	Standards of Performance for Secondary Lead Smelters	260.123															
M	Standards of Performance for Secondary Brass and Bronze Ingot Production Plants	260.133															
O	Standards of Performance for Sewage Treatment Plants	260.154	260.153														
DD	Standards of Performance for Grain Elevators	260.303															
EE	Standards of Performance for Surface Coating Metal Furniture	260.313 260.316	260.314 260.315														
GG	Standards of Performance for Stationary Gas Turbines	260.335	260.334														
QQ	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing	260.433 260.435	260.434														
RR	Standards of Performance for the Pressure Sensitive Tape and Label Surface Coating Operations	260.444 260.446	260.445 260.447														
SS	Standard of Performance for the Industrial Surface Coating Large Appliances	260.453 260.456	260.454 260.455														
TT	Standards of Performance for Metal Coil Surface Coating	260.463 260.466	260.464 260.465														
BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	260.543 260.547	260.544 260.545 260.546														
FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing		260.584 260.585														
JJJ	Standards of Performance for Petroleum Dry Cleaners	260.583															

TITLE V A. LOCATION

SUBPART	New Source Performance Standards (40 CFR 60)
Cb, F	Portland Cement Plants
Dc	Small Industrial -Commercial -Institutional Steam Generators > 10 MM Btu but <100 MM Btu.
Ea	Municipal Waste Combustors
G	Nitric Acid Plants
H & Cb	Sulfuric Acid Plants

[illegible][illegible]

TITLE V A. LOCATION

[illegible][illegible]

Subpart

[illegible]

TITLE V APPLICATION

[illegible]

TITLE V APPLICATION

Subpart

GT = Gas Turbine; AB = Auxiliary Boiler

TITLE V A. LOCATION

GT

Toxic Control Measures (ATCM)

[illegible][illegible]

Page 10 of

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
LIST OF PERMITS BY EQUIPMENT CATEGORY (FORM 1401-H2)

Company Name	District Use Only
GOAL LINE LP	NEDS # _____
Facility Address: 555 North Tulip St. Escondido, CA. 92025__	SITE ID # _____

PERMITTED EMISSION UNITS BY EQUIPMENT CATEGORY

In the emission unit (equipment) category order entered on Form 1401-H1, Applicable Requirements Summary Checklist, list emission units by permit number for the specific emission unit (equipment) category. Under the column labeled status place an "O" if operational, "N" if non-operational, or "S" if the equipment is new and currently operating under a startup authorization. **If more space is required, use additional forms. Please type or print legibly.**

Emission Unit Category	Application/ Permit No.	Status of Emission Unit
Gas turbine - Schedule 20(f)	APCD2001-PTO-911504	O
Auxiliary boiler – Schedule 13(a)	APCD1999-PTO-960443	O

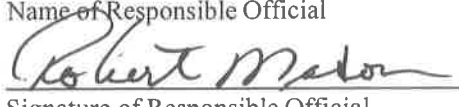
San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Certification Statement (FORM 1401-I)

Company Name	District Use Only
GOAL Line LP	NEDS # _____
Facility Address: 555 North Tulip St. Escondido, CA	SITE ID # _____

Under penalty of perjury, identify the following: (Read each statement carefully and check each box for confirmation.)

Applicable	Not Applicable	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Based on information and belief formed after reasonable inquiry, the source(s) identified in this application will continue to comply with the applicable requirement with which the source is in compliance. The applicable requirement(s) with which the source(s) is/are not in compliance is/are identified in Form 1401-L, Schedule of Compliance.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Based on information and belief formed after reasonable inquiry, the source(s) identified in this application will comply with the future-effective applicable requirement(s) on a timely basis.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Based on information and belief formed after reasonable inquiry, the source(s) identified in the Schedule of Compliance application form that is/are not in compliance with the applicable requirement(s), will comply in accordance with the attached compliance plan schedule.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Based on information and belief formed after reasonable inquiry, information on application forms, referenced documents, all accompanying reports, and other required certifications are true, accurate, and complete.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All fees required by Regulation III, Rule 40 have been paid.

Robert Mason
Name of Responsible Official

Signature of Responsible Official

8/12/16
Date
(760) 738-4999
Telephone No. of Responsible Official

Plant Manager
Title of Responsible Official

TITLE V APPLICATION
Compliance Certification Schedule (FORM 1401-K)

In numerical order, list all sources that have federally enforceable requirements for compliance certification on a more frequent basis than once per year. If more space is required, use additional forms. Please type or print legibly.

Page 1 of 1

**San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601**

**TITLE V APPLICATION
Schedule of Compliance (FORM 1401-L)**

Company Name	District Use Only
<u>GOAL LINE LP</u>	NEDS # _____
Facility Address: 555 North Tulip Street, Escondido, CA 92025 _____	SITE ID # _____

SOURCES NOT IN COMPLIANCE

In numerical order, list all emission units by permit number that do not comply with a federally enforceable requirement. Describe how the source will achieve compliance. Propose a schedule to correct the deficiencies, and include a schedule for progress reports. Reports must be submitted at least every six months. If the source is operating under a judicial consent decree or administrative order, the Schedule of Compliance must be at least as stringent. **If more space is required, use additional forms. Please type or print legibly.**

Permit No.	Emission Unit Name	Applicable Requirements	Compliance Schedule Attachment
None	None	None	None

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Abatement Devices (FORM 1401-M)

Company Name <u>GOAL LINE LP</u>	District Use Only NEDS # _____ SITE ID # _____
Facility Address: <u>555 NORTH TULIP STREET, ESCONDIDO, CA, 92025</u>	

LIST OF ABATEMENT DEVICES

In numerical order, list all abatement devices, the abatement device, name or description, and the emission unit or operation abated. If more space is required, use additional forms. Please type or print legibly.

Permit No(s)	Abatement Device Name or Description	Emission Unit(s) or Operation(s) Abated
APCD2001-PTO-911504	Water injection – gas turbine	Gas turbine - NOx
APCD2001-PTO-911504	SCR – gas turbine	Gas turbine - NOx
APCD1999-PTO-960443	Low NOx Burner – Aux Boiler	Aux Boiler - NOx

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Alternative Operating Scenario (FORM 1401-N)

Company Name GOAL LINE LP	District Use Only NEDS # _____ SITE ID # _____
Facility Address: 555 NORTH TULIP STREET, EXCONDIDO, CA 92025	

SCENARIO WITH EMISSION CHANGES

Give a title, a brief description, and an emission change. Attach calculations and detailed descriptions of each scenario to this form, using one form for each scenario. **Please type or print legibly.**

Operating Scenario # ***

TITLE	***
DESCRIPTION	***
EMISSION CHANGE	***

Attach all necessary calculations, detailed descriptions, and proposed terms and conditions to this form.

*** No alternative operating scenarios are delineated. The primary operating scenario is the one defined by the current facility PTOs.

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Multiple Applicable Requirements Streamlining (FORM 1401-O)

Company Name GOAL LINE LP	District Use Only NEDS # _____ SITE ID # _____
Facility Address: <u>555 NORTH TULIP STREET, EXCONDIDO, CA. 92025</u>	

MULTIPLE APPLICABLE REQUIREMENTS STREAMLINING

If more space is required, use additional forms. Please type or print legibly.

Application No(s) Permit	Multiple Applicable Requirements	Streamlined Requirements	Ref.
911504	R69.3(b)(2)(ii) and (d)	Condition 5	Footnote 1
	R69.3.1(b)(3)(i) and (d)(1)	Condition 14	Footnote 1
	40 CFR 60.332(a)(1)	Condition 5	Footnote 1
	40 CFR 60.334(j)(1)(iii)(A)	Conditions 11 & 14 40 CFR 60.11(d)	Footnote 1
	40 CFR 60.333	R62(b)(1)	Footnote 1
	Condition 9, 40 CFR 60.13(a), 40 CFR 60.334(b)(1)	40 CFR 60.334(b)(3)(iii)	Footnote 1
	R69.3.1(b)(3)(i) and (d)(1)	Condition 5	Footnote 1
	R69.3.1(f)(2)	Condition 14	Footnote 1
	40 CFR 60.334(j)(5)	R19.2(d)(2)	Footnote 1
	40 CFR 60.7(d)	R19.2(d)(2)	Footnote 1
	40 CFR 60.7(c)	R19.2(d)(2)	Footnote 1
960443	R68(b)(3) and (d)	Condition 4	Footnote 1

¹ see attached Streamlining/Subsumed Analysis

San Diego County Air Pollution Control District

Title V Application - COMPLIANCE PLAN STREAMLINING ANALYSIS

Company Name: GOAL LINE L.P.		Facility Address: 555 North Tulip Street, Escondido, CA 92025	
Type of Requirement	Subsumed Requirement	Subsuming Requirement(s)	Analysis
Gas Turbine (PTO 911514)			
Emissions Limit	<p>District Rule 69.3(b)(2)(ii) and (d): NOx emissions shall not exceed 45 ppmvd @ 15% O₂ when operated on a gaseous fuel, except during a startup or shutdown period not to exceed 120 minutes.</p> <p>District Rule 69.3.1(b)(3)(i) and (d)(1): NOx emissions shall not exceed 9 ppmvd @ 15% O₂ (adjusted for turbine efficiency) when operated on a gaseous fuel, except during a startup or shutdown period not to exceed 120 minutes.</p>	<p>Condition #5: The SCR equipment shall reduce the total NOx to 5 ppmvd @ 15% O₂ over a 1-hour average.</p> <p>Condition #14: The 5 ppm NOx limit shall not apply during the first 120 minutes immediately following a startup or during the first 60 minutes prior to a shutdown.</p>	<p>The routine NOx emission limit of 5 ppmvd @ 15% O₂ is more stringent and has a similar startup/shutdown exemption. Therefore, the routine NSR limit is more stringent than – and subsumes – the Rule 69.3 and Rule 69.3.1 NOx limits.</p> <p>The higher NOx emission limit can be attained solely through the use of water injection. SCR is required, in conjunction with water injection, to meet the routine 5 ppmvc routine NSR NOx limit. Furthermore, a CEMS is used to monitor compliance with the routine NOx limit and there is no regulatory basis for Condition #4. Therefore, the routine NOx limit (and corresponding CEMS monitoring requirement) subsumes the water-to-fuel ratio operating limit of Condition #4.</p>
	<p>40 CFR 60.332(a)(1): No owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of 75 ppmv</p>	<p>Condition #5: The SCR equipment shall reduce the total NOx to 5 ppmvd @ 15% O₂ over a 1-hour average.</p>	<p>The routine NOx emission limit of 5 ppmvd @ 15% O₂ is more stringent. Although the Subpart GG NOx limit does not have a startup/shutdown exemption, the water injection system is operational minutes after startup commences and reduces NOx emissions</p>

Company Name: GOAL LINE L.P.		Facility Address: 555 North Tulip Street, Escondido, CA 92025	
Type of Requirement	Subsumed Requirement	Subsuming Requirement(s)	Analysis
	<p>@ 15% O₂ on a dry basis.</p> <p>40 CFR 60.334(j)(1)(iii)(A):</p> <p>An hour of excess emissions shall be any unit operating hour in which the 4-hour rolling average NOx concentration exceeds the applicable emission. A "4-hour rolling average NOx concentration" is the arithmetic average of the average NOx concentration measured by the CEMS for a given hour (corrected to 15% O₂ and the three immediately preceding unit operating hours.</p>	<p>Condition #11:</p> <p>Excess emissions are defined as any 1-hour period during which the average NOx concentration, as measured by the CEMS, exceeds the NOx emission limit.</p> <p>Condition #14:</p> <p>The 5 ppm NOx limit shall not apply during the first 120 minutes immediately following a startup or during the first 60 minutes prior to a shutdown. The NOx emission rate shall not exceed 25 lb during any four consecutive clock quadrants during startup or shutdown.</p> <p>40 CFR 60.11(d):</p> <p>At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.</p>	<p>to < 25 ppmvd @ 15% O₂. Therefore, the combined routine and startup/shutdown NSR limits are more stringent than – and subsume – the Subpart GG NOx limit.</p> <p>The 1-hour averaging requirement of Condition #11 subsumes the 4-hour averaging requirement of Subpart GG because the corresponding NOx limits of Conditions #5 and #14 subsume the corresponding Subpart GG NOx limit.</p>
Emissions Limit	<p>40 CFR 60.333:</p> <p>No owner or operator shall burn in any stationary gas turbine any fuel which contains total sulfur in excess of 0.8 % by weight (8000 ppmw).</p>	<p>Rule 62(b)(1):</p> <p>Gaseous fuel shall contain not more than 10 gr of sulfur (as H₂S)/ 100 scf.</p>	<p>The Rule 62 fuel sulfur limit equates to 0.03% fuel sulfur, by weight, which is more stringent. Therefore, the Rule 62 fuel sulfur limit is more stringent than – and subsumes – the Subpart GG fuel sulfur limit.</p>

Company Name: GOAL LINE L.P.		Facility Address: 555 North Tulip Street, Escondido, CA 92025	
Type of Requirement	Subsumed Requirement	Subsuming Requirement(s)	Analysis
Monitoring	<p>Condition #9:</p> <p>Permittee shall certify, calibrate, maintain, and operate a CEMS for monitoring O₂ and NOx concentrations. The CEMS shall meet the most current USEPA performance specifications and quality assurance procedures found in 40 CFR 60 Appendix B and Appendix F.</p> <p>40 CFR 60.13(a):</p> <p>All CEMS shall be subject to the provisions of this section upon promulgation of performance specifications for continuous monitoring systems under Part 60 Appendix B and, if the CEMS is used to demonstrate compliance with emission limits on a continuous basis, Part 60 Appendix F.</p> <p>40 CFR 60.334(b)(1):</p> <p>Each CEMS must be installed and certified according to PS 2 and 3 (for diluent) of Part 60, Appendix B.</p>	<p>40 CFR 60.334(b)(3)(iii):</p> <p>If the owner or operator has installed a Part 75 NOx CEMS, and is continuing to meet the ongoing requirements of Part 75, the CEMS may be used to meet the requirements of Part 60, Subpart GG, except that the Part 75 missing data substitution methodology is not required for purposes of identifying excess emissions. Instead, periods of missing CEMS data are to be reported as monitor downtime in the Excess Emissions and Monitor Performance Report.</p>	<p>Subpart GG allows the operator to use a Part 75 NOx/O₂ CEMS in lieu of a Part 60 CEMS. Goal Line became an affected facility under Part 75 on December 31, 2015. Furthermore, Goal Line submitted an ATC application to the District to incorporate the Acid Rain monitoring requirements into the PTO, including those requirements that allow Goal Line to use its Part 75 CEMS in lieu of the Part 60 CEMS.</p>
Monitoring	<p>District Rule 69.3.1(b)(3)(i) and (d)(1):</p> <p>NOx emissions shall not exceed 9 ppmvd @ 15% O₂ (adjusted for turbine efficiency) when operated on a gaseous fuel, except during a startup or shutdown period not to exceed 120 minutes.</p>	<p>Condition #5:</p> <p>The SCR equipment shall reduce the total NOx to 5 ppmvd @ 15% O₂ over a 1-hour average.</p> <p>Condition #14:</p> <p>The 5 ppm NOx limit shall not apply during the first 120 minutes immediately following a</p>	<p>The HHV/LHV analyses are required for the turbine efficiency calculation for Rule 63.3.1 compliance. However, the routine NSR NOx limit subsumes the Rule 69.3.1 NOx limit and therefore the corresponding Rule 69.3.1 turbine efficiency measurement is also a subsumed requirement.</p>

Company Name: GOAL LINE L.P.		Facility Address: 555 North Tulip Street, Escondido, CA 92025	
Type of Requirement	Subsumed Requirement	Subsuming Requirement(s)	Analysis
	<p>District Rule 69.3.1(f)(2):</p> <p>The HHV and LHV of the natural gas shall be determined by the ASTM Test Method D1826-94(2003), or D1945-03, in conjunction with ASTM Test Method D3588-98(2003) [or their most current versions] and can be provided by a fuel supplier.</p>	startup or during the first 60 minutes prior to a shutdown.	
Reporting	<p>40 CFR 60.334(j)(5):</p> <p>For each affected unit that elects to continuously monitor parameters or emissions, the owner or operator shall submit reports of excess emissions and monitor downtime. Excess emissions shall be reported for all periods of unit operation, including startup, shutdown, and malfunction. All reports shall be post-marked by the 30th day following the end of each 6-month period.</p> <p>40 CFR 60.7(d):</p> <p>One summary report form shall be submitted for each pollutant monitored at each affected facility. If the total duration of excess emissions for the reporting period is less than 1% of the total operating time and CEMS downtime for the reporting period is less than 5%, only the summary report form shall be submitted. If the total duration of excess emissions for the reporting period is $\geq 1\%$ or the total CMS downtime is $\geq 5\%$, the detail report also shall be submitted.</p>	<p>Rule 19.2(d)(2):</p> <p>Operators shall submit a written report for each calendar quarter to the District. The report is due by the 30th day following the end of the calendar quarter and shall include:</p> <ul style="list-style-type: none"> (i) Time intervals, date and magnitude of excess emissions, nature and cause of the excess (if known), corrective actions taken and preventive measures adopted. (ii) Averaging period used for data reporting corresponding to averaging period specified in the emission test period used to determine compliance with an emission standard for the pollutant/source category in question. (iii) Time and date of each period during which the continuous monitoring system was inoperative, except for zero and span checks, and the nature of system repairs and adjustments. (iv) A negative declaration when no excess emissions occurred. 	<p>The District Quarterly CEMS Report contains the more stringent detail reporting requirements of 40 CFR 60.7(c), which merely requires a less stringent summary report as described in 60.7(d). Furthermore, the District CEMS Report has more stringent quarterly reporting frequencies than the semi-annual reporting for the Part 60 Report. Therefore, the Rule 19.2 Quarterly CEMS is more stringent than – and subsumes – the Part 60 Report.</p>

Company Name: GOAL LINE L.P.		Facility Address: 555 North Tulip Street, Escondido, CA 92025	
Type of Requirement	Subsumed Requirement	Subsuming Requirement(s)	Analysis
Reporting (cont'd)	<p>40 CFR 60.7(c):</p> <p>Each owner or operator shall submit an excess emissions and monitoring systems performance report and/or summary report form semiannually. All reports shall be postmarked by the 30th day following the end of each six month period. Written reports of excess emissions shall include the following information:</p> <ul style="list-style-type: none"> • The magnitude of excess emissions computed in accordance with 60.13(h). • The date and time of commencement and completion of each time period of excess emissions. • The process operating time during the reporting period. • Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the affected facility. • The nature and cause of any malfunction, the corrective action taken or preventative measures adopted. • The date and time identifying each period during which the CMS was inoperative except for zero and span checks and the nature of the system repairs or adjustments. • A negative declaration when no excess emissions have occurred or the CMSs have not been inoperative, repaired, or adjusted. 	See above	

Company Name: GOAL LINE L.P.		Facility Address: 555 North Tulip Street, Escondido, CA 92025	
Type of Requirement	Subsumed Requirement	Subsuming Requirement(s)	Analysis
Auxiliary Boiler (PTO 960443)			
Emission Limit	District Rule 68(b)(3) and (d): NOx emissions from non-vehicular fuel burning equipment shall not exceed 125 ppmvd @ 3% O ₂ except during a continuous 30-minute period for startup or shutdown.	Condition #4: NOx emissions (as NO ₂) shall not exceed 30 ppmvd @ 3% O ₂ when operated on a gaseous fuel.	The NSR NOx emission limit of 30 ppmvd @ 3% O ₂ is more stringent. Therefore, the NSR limit is more stringent than -- and subsumes -- the Rule 68 NOx limit.

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Permit Shield (FORM 1401-Q)

Company Name <u>Goal Line L.P.</u> Facility Address: <u>555 North Tulip Street, Escondido CA 92025</u>	District Use Only NEDS # _____ SITE ID # _____
---	---

REQUEST FOR PERMIT SHIELD

If more space is required, use additional forms. Please type or print legibly.

Application No(s) Permit No(s)	Requirements to be Shielded	Basis	Attachment Number
911504	Rule 69.3(d)	Subsumed	Footnote 1
	Condition #4	Subsumed	Footnote 1
	Rule 69.3.1(d)(1)	Subsumed	Footnote 1
	40 CFR 60.332(a)	Subsumed	Footnote 1
	40 CFR 60.334(j)(1)(iii)	Subsumed	Footnote 1
	Rule 69.3.1(f)(2)	Subsumed	Footnote 1
	40 CFR 60.333	Subsumed	Footnote 1
	Condition 9	Subsumed	Footnote 1
	40 CFR 60.13(a)	Subsumed	Footnote 1
	40 CFR 60.334(b)(1)	Subsumed	Footnote 1
	40 CFR 60.7(c-d)	Subsumed	Footnote 1
	40 CFR 60.334(j)(5)	Subsumed	Footnote 1
960443	Rule 68(d)	Subsumed	Footnote 1
Footnote 1	See T5 Streamlining Table Analysis		

ATTACHMENTS

Attachment 1 – Current Facility PTOs

Attachment 2 – Acid Rain Permit Application, 2-29-16

Attachment 3 – Facility Emissions Calculations

ATTACHMENT 1
Current Facility PTOs



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE ROAD, SAN DIEGO, CA 92131
PHONE (858) 586-2600 FAX (858) 586-2601
www.sdapcd.org

Sectors: 2, D
Site Record ID: APCD1992-SITE-08447
Application Record ID: APCD1998-APP-970889

PERMIT RECORD ID
APCD2001-PTO-911504



Goal Line LP
General Manager
555 Tulip St N
Escondido CA 92025

EQUIPMENT ADDRESS

Goal Line LP
General Manager
555 Tulip St N
Escondido CA 92025

PERMIT TO OPERATE

EXPIRES: December 31, 2016

This permit is not valid until required fees have been paid.

The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

ONE (1) GE LM6000 COMBUSTION TURBINE/GENERATOR SET RATED AT 42.4 MW (368 MM BTU/HR) WITH WATER INJECTION AND FUELED WITH NATURAL GAS ONLY, ONE (1) SELECTIVE CATALYTIC REDUCTION (SCR) UNIT INCLUDING AN AUTOMATIC AMMONIA INJECTION CONTROL SYSTEM FOR CONTROL OF NOX, CEM, DATA ACQUISITION AND RECORDING SYSTEMS, AND WASTE HEAT RECOVERY SYSTEM FOR FACILITY STEAM USE, INCLUDING STEAM TO DRIVE A COMBINED STEAM TURBINE/GENERATOR SET PROVIDING A COMBINED TOTAL ELECTRICAL POWER OUTPUT OF 49.8 MW. EAD8/14/97 NO APP GDS 7/16/98 970889

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [92F] NOx and CO Source Test
1 [20F] Non- Aircraft Turbine Engine
1 [92I] Ammonia Source Test

BEC: 11199

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

1. Water flow meters or other means of measuring the rate of water injection and return shall be installed in the combustion turbine water injection system and shall be maintained accurate to +/-5%.
 2. The data acquisition system supporting the display of facility performance parameters shall include the display of: natural gas fuel flow rate in scfh, water injection ratio in lb. of H2O to lb. of fuel. NH3 injection rate in lb/hr, NOX concentration at the exhaust stack in ppm corrected to 15% Oxygen on a dry basis, and in lb/hr.
 3. The SCR control equipment shall reduce the total Oxides of Nitrogen (NOX) to 5 parts per million by volume (ppmv) measured as Nitrogen Dioxide (NO2) and corrected to 15% Oxygen on a dry basis. The exhaust stack total NOX emission mass rate shall not exceed 8.5 pounds per hour.
- When operating the combustion turbine, the turbine water injection system water to fuel ratio shall not be less than 0.70 pound of water to 1.00 pound of fuel.



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5. The ammonia concentration (slippage) in the exhaust stack shall not exceed 10 ppmv corrected to 15% Oxygen on a dry basis.
6. The Carbon Monoxide (CO) emissions shall not exceed 25 ppmv corrected to 15% Oxygen on a dry basis.
7. This equipment shall be source tested on an annual basis, using District approved test methods, unless authorized otherwise in writing by the APCD.
8. The annual source test shall measure: fuel flow rate; turbine water injection system water to fuel ratio; ammonia flow rate; exhaust (outlet) stack flowrate, SCR outlet (stack) NOX concentration and mass rate; stack CO concentration and mass rate; stack ammonia concentration and mass rate and percent Oxygen in the exhaust. SCR inlet measurements are not required.
9. Permittee shall certify, calibrate, maintain and operate the continuous emission monitoring system for the monitoring of Oxygen and Oxides of Nitrogen emissions. The system shall meet the most current US Environmental Protection Agency performance specifications and quality assurance procedures found in 40 CFR 60 Appendix B and Appendix F that are applicable to the permittee.
10. The following records shall be maintained on-site in a legible form: all measurements, adjustments, calibration checks and maintenance associated with the CEM system and monitoring device; all performance and QA testing measurements; and all other information required by District Rules 19.2, 69.3 and 40 CFR 60. All required records shall be made available to the District upon request for at least three (3) years following the date the information was recorded.
11. Excess emissions are defined as any one-hour period during which the average of NOX, as measured by the CEM system, exceeds the maximum NOX emission limits. Excess emissions indicated by the CEM system will be considered a violation of the emission limit.
12. The distribution of ammonia across the SCR inlet shall be the optimum distribution to meet the NOX, CO and ammonia slippage limits defined in the preceding conditions.
13. Cogeneration run time shall not make up less than 50% of the total gas turbine hours run time averaged over any twelve (12) consecutive month period. Records of cogeneration run time, and total gas turbine run time shall be maintained for at least three (3) years and made readily available to the District upon request.
14. The 5 ppm and 8.5 pound per hour NOX limit, 10 ppm ammonia slippage limits, water to fuel injection ratio and ammonia distribution requirements defined in the preceding conditions shall not apply during the first 120 minutes immediately following a start-up or during the first 60 minutes prior to a shutdown. However, the ammonia concentration (slippage) in the exhaust stack shall not exceed 11 ppmv corrected to 15% Oxygen on a dry basis and the emission rate for NOX shall not exceed 25 lbs for the sum of any four (4) consecutive whole 15 minute periods (clock 15 minutes periods) during the first 120 minutes immediately following a start-up, or during the first four (4) consecutive whole 15 minute periods prior to a shutdown as calculated by the District based upon Source Test and/or CEMS data.
15. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District.
16. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
17. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



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PHONE (858) 586-2600 FAX (858) 586-2601
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Sectors: 2, D
Site Record ID: APCD1992-SITE-08447
Application Record ID: APCD1996-APP-960443

PERMIT RECORD ID
APCD1999-PTO-960443



Goal Line LP
General Manager
555 Tulp St N
Escondido CA 92025

EQUIPMENT ADDRESS
Goal Line LP
General Manager
555 Tulp St N
Escondido CA 92025

PERMIT TO OPERATE

EXPIRES: December 31, 2016

This permit is not valid until required fees have been paid.

The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

STEAM BOILER: 14.6 MILLION BTU/HR HEAT INPUT, SELLERS ENGINEERING CO., MODEL 350HP-SH-LN390, SERIAL NUMBER 101539 WITH A NATURAL GAS FIRED LOW NOX BURNER. APP#960443 GDS 2/99

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [13A] Boiler/Heater
1 [92F] NOx and CO Source Test

BEC: 11261

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

1. This equipment shall be source tested or emissions verified at the District's discretion on an annual basis using District approved test methods to ensure compliance with District emission standards prior to permit renewal.
2. This equipment shall be operated on Natural Gas only.
3. All the required records shall be maintained for a minimum of three calendar years. These records shall be maintained and made available to the District upon request.
4. Emissions of oxides of nitrogen, calculated as nitrogen dioxide at 3% oxygen on a dry basis, shall not exceed 30 parts per million by volume when operated on a gaseous fuel.
5. Emissions of Carbon Monoxide shall not exceed 400 parts per million by volume, calculated at 3% Oxygen on a dry basis.
6. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District.
7. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.



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PERMIT RECORD ID
APCD1999-PTO-960443



8. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)

ATTACHMENT 2

Acid Rain Application, 2/29/16

Goal Line L.P.

555 N. Tulip Street
Escondido, CA 92025
(760) 738-4999 Phone
(760) 738-8560 Fax

February 29, 2016

Mr. Jim Swaney, P.E.
Chief of Engineering
San Diego County Air Pollution Control District (District)
10124 Old Grove Road
San Diego, California 92131

Subject: Acid Rain Permit (ARP) Application and Authority to Construct (ATC)
Application for Modifications to Implement ARP at the Goal Line, LP
Facility District Permit to Operate (PTO) #911504

Dear Mr. Swaney:

Goal Line, LP (Goal Line) located in Escondido, California, is submitting to the District the attached ATC and ARP applications to implement the monitoring requirements of the ARP into the PTO #911504. The District's ATC application form and the U.S. Environmental Protection Agency (EPA) ARP application forms (original and 3 copies per 40 CFR 72.31(d)) are included in Attachment 1. A Certificate of Representation has been submitted to the EPA and is included in Attachment 1.

Enclosed find a check in the amount of \$2,372 for the ATC application processing fees (\$95) and initial evaluation Fee (\$2,277), pursuant to Rule 40 (Permit and Other Fees). It is also understood that the District will invoice for a relative accuracy test audit (RATA) evaluation fee as part of the initial Acid Rain certification testing.

Background

Goal Line has operated a 49.8 MW cogeneration plant (Facility ID 08447) since 1994. A 42.4 MW natural gas-fired, water-injected General Electric LM6000 combustion gas turbine drives an electrical generator while an unfired waste heat recovery steam generator (HRSG) produces high-pressure steam that further drives a 7.4 MW steam turbine generator. Goal Line historically has sold the generated electricity to San Diego Gas & Electric (SDG&E). Goal Line also uses low-pressure steam from the steam turbine to provide thermal energy for a chiller that produces ice at the neighboring IcePlex ice rink.

The combustion gas turbine was originally not an affected unit under the ARP because the facility met the "qualifying facility" (QF) criteria pursuant to 40 CFR 72.2 and therefore exempt from the ARP pursuant to 40 CFR 72.6(b)(5).

On February 12, 2015, Goal Line began operating as a peaking power plant under a revised power purchase agreement (PPA) with SDG&E. Under the revised PPA SDG&E dispatched Goal Line for approximately 600 hours in 2015 causing the facility to not meet the criteria for a QF in 2015 and losing the QF Acid Rain exemption on January 1, 2016. Thus the facility became a "newly affected facility" under the ARP pursuant to 40 CFR 72.6(a)(3)(v).

In accordance with 40 CFR 75.61(a)(2), Goal Line, in a letter dated November 13, 2015, notified EPA and the District that Goal Line is subject to the ARP.

The owner of a newly affected unit must comply with the ARP monitoring requirements of 40 CFR Part 75 within 180 days of becoming a newly affected unit. This deadline is June 28, 2016, for Goal Line. The purpose of this application is to incorporate the ARP requirements into the PTO and reconcile the overlap between Part 60 and Part 75 monitoring requirements.

Acid Rain Compliance Monitoring

40 CFR 72.9(b)(1) requires an operator of an affected unit to comply with the monitoring requirements of 40 CFR Part 75.

Goal Line proposes to comply with the ARP monitoring requirements as outlined below.

- Submit to EPA and local District monitoring staff an initial ARP Monitoring Plan (and revisions, as appropriate) pursuant to 40 CFR 75.62.
- Develop a Quality Assurance/Quality Control program pursuant to Appendix B of Part 75.
- Submit to EPA and the District an Initial Certification Application for the Acid Rain monitoring systems.
- For heat input monitoring:
 - Use Equation F-20 of Appendix F of Part 75 and records of fuel gross calorific value (GCV) and hourly fuel flowrate to calculate the hourly heat input rate;
 - Measure natural gas consumption for the gas turbine using a certified fuel meter and will record the resulting data with a data acquisition and handling system (DAHS);
 - Determine the GCV of the natural gas fuel on a monthly basis using the methods listed in Section 2.3.4 of Appendix D of Part 75;

- Perform a flowmeter accuracy test, as part of the initial certification procedures, on the gas turbine fuel flowmeter to verify the fuel flowmeter meets the accuracy specifications of Appendix D of Part 75; and
 - Perform tests, as part of the initial certification procedures, to verify the proper computation of the hourly fuel flowrates, heat input rates, and missing data substitution procedures of Appendix D of Part 75.
- For SO_x monitoring:
 - Use Equation D-5 of Appendix D of Part 75, an SO₂ emission factor of 0.0006 lb/MMBtu, and records of hourly heat input rate to calculate hourly SO₂ emissions;
 - Use Equation F-3 of Appendix F of Part 75 to calculate the quarterly SO₂ emissions;
 - Use Equation F-4 of Appendix F of Part 75 to calculate the annual SO₂ emissions;
 - Sample the natural gas sulfur content annually to demonstrate that the fuel sulfur content does not exceed 0.5 gr/100 scf; and
 - Perform tests, as part of the initial certification procedures, to verify the proper computation of the hourly/quarterly/annual SO₂ emissions and missing data substitution procedures of Appendix D of Part 75.
- For NO_x monitoring:
 - Certify and operate the existing NO_x and O₂ CEMS, in accordance with Part 75, with a DAHS for measuring and recording NO_x concentration (in ppm), O₂ concentration (in %), and NO_x emission rate (in lb/MMBtu);
 - Maintain the NO_x and O₂ CEMS, in accordance with Appendix B of Part 75, including:
 - Daily calibration error tests (using EPA Protocol Gases) and adjustments;
 - Quarterly linearity checks; and
 - Semi-annual (or annual, as allowed) relative accuracy test audits (RATAs) (using "Air Emissions Test Bodies") and bias adjustments;
 - Use Equation F-5 of Appendix F of Part 75, a natural gas F-factor of 8,710 scf/MMBtu, and records of hourly NO_x and O₂ concentration to calculate hourly NO_x emission rates (in lb/MMBtu);
 - Use Equation F-9 of Appendix F of Part 75 to calculate the quarterly average NO_x emission rates (in lb/MMBtu);
 - Use Equation F-10 of Appendix F of Part 75 to calculate the annual average NO_x emission rates (in lb/MMBtu);
 - Perform an initial certification test according to the procedures of Appendix A of Part 75 on the NO_x/O₂ CEMS to verify the CEMS meet the accuracy specifications of Appendix A of Part 75, including:
 - 7-day calibration error tests
 - Linearity checks
 - RATAs
 - Bias tests
 - Cycle time test; and

- Perform tests, as part of the initial certification procedures, to verify the proper computation of the hourly NO_x/O₂ average concentrations, hourly/quarterly/annual average NO_x emission rates (in lb/MMBtu), and missing data substitution procedures of Subpart D of Part 75.
- For CO₂ monitoring:
 - Use Equation G-4 of Appendix G of Part 75, a natural gas CO₂ F-factor of 1,040 scf/MMBtu, and records of hourly heat input rate to calculate hourly CO₂ emissions;
 - Use Equation F-12 of Appendix F of Part 75 to calculate the quarterly CO₂ emissions; and
 - Use Equation F-13 of Appendix F of Part 75 to calculate the annual CO₂ emissions.

Regulatory Analysis – Part 60 vs Part 75

40 CFR Part 60, Subpart GG establishes the New Source Performance Standards (NSPS) for stationary gas turbines, rated greater than or equal to 10 MMBtu/hr, which commenced construction, reconstruction, or modification after October 1977 (but prior to February 2005). Since the combustion gas turbine was constructed in 1994 and has not been modified or reconstructed (as defined in Part 60) since February 2005, it is an “affected facility” under Subpart GG. Pursuant to 40 CFR 60.334(b)(1), Subpart GG requires a CEMS installed for Subpart GG monitoring to be certified according to Performance Specifications 2 (for NO_x) and 3 (for O₂) of Appendix B to Part 60.

Condition #9 of PTO #911504 requires Goal Line to operate and maintain NO_x/O₂ CEMS that meets the performance specifications of 40 CFR 60, Appendices B and F. The gas turbine is currently permitted as a Part 60 unit subject to Subpart GG (to the extent that NSR or Rule 69.3/69.3.1 requirements have not subsumed Part 60 requirements) and is equipped with a Part 60 CEMS.

Subpart GG section 60.334(b)(3)(iii) allows an operator who has installed a Part 75 NO_x/O₂ CEMS (and is meeting the ongoing requirements of Part 75) to use the Part 75 CEMS to meet the CEMS monitoring requirements of Subpart GG. The Part 75 missing data substitution methodology is not used for the purposes of Subpart GG. Instead, periods of missing CEMS data are still reported as monitor downtime in the District’s Quarterly CEMS Report, which also serves as a Part 60 Excess Emissions and Monitor Performance Report required by 40 CFR 60.7(c-d). Therefore, Goal Line is proposing that the Part 75 NO_x/O₂ CEMS and monitoring plan will replace the specific requirements of the Part 60 CEMS as required in Subpart GG.

Proposed Permit Conditions

Goal Line proposes the changes shown below, in redline/strikeout format, to the permit conditions for PTO #911504 to meet requirements of the ARP and to eliminate the overlap/contradictions between Parts 60 and 75. These suggested changes do not include the District's standard Acid Rain permit conditions.

8. The ~~annual source~~ RATA test shall measure: fuel flow rate; ~~turbine water injection system water to fuel ratio~~; ammonia flow rate; ~~exhaust (outlet) stack flow rate~~; SCR outlet (stack) NOx concentration and mass rate; CO concentration and mass rate; stack ammonia concentration and mass rate; ~~and~~ percent Oxygen in the exhaust, ~~and the natural gas sulfur content~~. SCR inlet measurements are not required.
9. Permittee shall certify, calibrate, maintain, and operate the CEMS for the monitoring of Oxygen and Nitrogen Oxides emissions. ~~The system shall meet the most current US Environmental Protection Agency performance specifications and quality assurance procedures found in 40 CFR 60 Appendix B and Appendix F that are applicable to the permittee.~~ A NOx/O₂ CEMS meeting the requirements of 40 CFR 75 shall be used to meet the requirements of 40 CFR 60 in accordance with section 60.334.

If you have any questions regarding this application, please do not hesitate to call me or Jeff Adkins of Sierra Research at (916) 273-5127. Sierra Research is serving as Goal Line's consultant on this project.

Sincerely,



Joel Lepoutre
Asset Manager

Attachments

cc: Robert Mason, Goal Line LP
Jeff Adkins, Sierra Research

Mr. Jim Swaney

-6-

February 29, 2016

ATTACHMENT 1

APPLICATION FORMS AND
CERTIFICATE OF REPRESENTATION



This submission is: ☒ New ☐ Revised ☐ for ARP permit renewal

STEP 1

Identify the facility name, State, and plant (ORIS) code.

Goal Line Cogeneration Facility	CA	54749
Facility (Source) Name	State	Plant Code

STEP 2

Enter the unit ID#
for every affected
unit at the affected
source in column "a."

[illegible]

Permit Requirements**STEP 3**

Read the standard requirements.

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

Monitoring Requirements

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

Sulfur Dioxide Requirements

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

Sulfur Dioxide Requirements, Cont'd.

STEP 3, Cont'd.

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

Nitrogen Oxides Requirements

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

Excess Emissions Requirements

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

Recordkeeping and Reporting Requirements

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

of a new certificate of representation changing the designated representative;

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

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

Liability

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

Effect on Other Authorities

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

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

Goal Line Cogeneration Facility

Page 5

Facility (Source) Name (from STEP 1)

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

STEP 3, Cont'd.

Effect on Other Authorities, Cont'd.

to applicable National Ambient Air Quality Standards or State Implementation Plans;

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

(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;

(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,


(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4

Read the certification statement, sign, and date.

Certification

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

Name Joel Lepoutre, Asset Manager and Designated Representative	
Signature 	Date 2/29/16



Instructions for the Acid Rain Program Permit Application

The Acid Rain Program requires the designated representative to submit an Acid Rain permit application for each source with an affected unit. A complete Certificate of Representation must be received by EPA before the permit application is submitted to the title V permitting authority. A complete Acid Rain permit application, once submitted, is binding on the owners and operators of the affected source and is enforceable in the absence of a permit until the title V permitting authority either issues a permit to the source or disapproves the application.

Please type or print. If assistance is needed, contact the title V permitting authority.

STEP 1 A Plant Code is a 4 or 5 digit number assigned by the Department of Energy's (DOE) Energy Information Administration (EIA) to facilities that generate electricity. For older facilities, "Plant Code" is synonymous with "ORISPL" and "Facility" codes. If the facility generates electricity but no Plant Code has been assigned, or if there is uncertainty regarding what the Plant Code is, send an email to the EIA. The email address is EIA-860@eia.gov.

STEP 2 In column "a," identify each unit at the facility by providing the appropriate unit identification number, consistent with the identifiers used in the Certificate of Representation and with submissions made to DOE and/or EIA. Do not list duct burners. For new units without identification numbers, owners and operators must assign identifiers consistent with EIA and DOE requirements. Each Acid Rain Program submission that includes the unit identification number(s) (e.g., Acid Rain permit applications, monitoring plans, quarterly reports, etc.) should reference those unit identification numbers in exactly the same way that they are referenced on the Certificate of Representation.

Submission Deadlines

For new units, an initial Acid Rain permit application must be submitted to the title V permitting authority 24 months before the date the unit commences operation. Acid Rain permit renewal applications must be submitted at least 6 months in advance of the expiration of the acid rain portion of a title V permit, or such longer time as provided for under the title V permitting authority's operating permits regulation.

Submission Instructions

Submit this form to the appropriate title V permitting authority. If you have questions regarding this form, contact your local, State, or EPA Regional Acid Rain contact, or call EPA's Acid Rain Hotline at (202) 343-9620.

Paperwork Burden Estimate

The public reporting and record keeping burden for this collection of information is estimated to average 8 hours per response. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW., Washington, D.C. 20460. Include the OMB control number in any correspondence. **Do not send the completed form to this address.**

GENERAL PERMIT OR REGISTRATION APPLICATION INSTRUCTIONS



GENERAL

The owner or designated agent must complete and sign this form and file it with one copy of all attachments, required supplementary forms, drawings and the appropriate fee.

The appropriate fee (payable to "County of San Diego APCD") must be submitted with this Permit/Registration Application. Application processing will not begin until the full required fee has been received. Excess fees will be refunded upon completion of the application process. If you do not know the appropriate fee or need to discuss the information required, please contact the District at (858) 586-2600 and ask for assistance in determining an application fee.

REASON FOR SUBMITTAL OF APPLICATION

- New Installation - check if you are installing equipment that does not currently have a District Permit to Operate (PTO)
- Existing Unpermitted Equipment or Rule 11 Change - check if applying for installed existing equipment that is currently unpermitted or equipment that is now subject to District Rules due to Rule 11 changes
- Modification of Existing Permitted Equipment - check if you are making a change to equipment with a current District Permit to Operate. (List affected PTO Record ID(s) – Note: PTO Record ID Format: APCD2015-PTO-123456)
- Amendment to Existing Authority to Construct or Permit/Registration Application - check this line if you are amending a previously submitted application form or if amending a current Authority to Construct. (List affected Application Record ID(s) Application Record ID Format: APCD2015-APP-123456)
- Change of Equipment Location - check if you are moving non-portable equipment with a current District Permit to Operate. (List affected PTO Record IDs)
- Change of Equipment Ownership - check if you are now the owner of equipment with a current District Permit to Operate under a different owner. Provide proof of ownership with application. (List affected PTO Record ID(s))
- Change of Permit Conditions - check if equipment with a current Permit to Operate requires changes to the existing operating conditions. (List affected PTO Record ID(s) on line 12)
- Change Permit to Operate Status to Inactive - check if you wish to maintain your current Permit to Operate but are not going to operate the equipment. (List affected PO #(s))
- Banking Emissions - check if you are retiring equipment with a current District Permit to Operate and wish to bank the emissions for future credits. (List affected PTO Record ID(s) on)
- Registration of Portable Equipment - check this line if you are applying for registration of portable equipment
- Other - check for any action not covered
- List affected Application/PTO Record ID(s) - if the application being submitted is for an existing operation please listed the affected permits

APPLICANT INFORMATION

Please enter the requested addresses, including the mailing address to be used to send the Authority to Construct, Permit to Operate, and invoices

EQUIPMENT/PROCESS INFORMATION

Check Stationary (e.g. gasoline service site, dry cleaning facility, etc.) or Portable (abrasive blast pot, roofing kettle, etc.) depending upon the type of equipment for which you are filing an application. Also check Yes if the equipment is portable and will operate more than 180 consecutive days at a single site. Otherwise, check No.

Please enter the location where the equipment is or will operate if this application is for a stationary source. If the application is for a portable operation please enter the address that will be used to store the portable unit

INDEMNIFICATION

In accordance with District Rule 40(d)(8)(vi), the applicant, to the extent the applicant is at fault in causing liability to the District, shall indemnify the District (including its agents, officers and employees) from any claim, action, liability, or proceeding to attack, set aside, void or annul the applicant's project or any of the proceedings, acts or determinations taken, done or made as a result of the District's processing and/or approval of the project. The applicant's obligation to indemnify shall include, but not be limited to, payment of all court costs and attorneys' fees, costs of any judgments or awards against the District, damages, and/or settlement costs, which arise out of the District's processing and/or approval of the applicant's project, except that an applicant shall only be responsible for indemnifying the District according to the proportion of fault caused by the applicant, as determined by a court. By signing and submitting this application, an applicant agrees to such indemnification.

Internal Use Only

APP Record ID APCD20 -APP-
TE Record ID APCD20 -SITE-

GENERAL PERMIT OR REGISTRATION APPLICATION FORM



Submittal of this application does not grant permission to construct or to operate equipment except as specified in Rule 24(c) or (d)

REASON FOR SUBMITTAL OF APPLICATION:

- | | | |
|--|---|--|
| <input type="checkbox"/> New Installation | <input type="checkbox"/> Existing Unpermitted Equipment or Rule 11 Change | <input type="checkbox"/> Modification of Existing Permitted Equipment |
| <input type="checkbox"/> Amendment to Existing Authority to Construct or Application | <input type="checkbox"/> Change of Equipment Location | <input type="checkbox"/> Change of Equipment Ownership (please provide proof of ownership) |
| <input checked="" type="checkbox"/> Change of Permit Conditions | <input type="checkbox"/> Change Permit to Operate Status to Inactive | <input type="checkbox"/> Banking Emissions |
| <input type="checkbox"/> Registration of Portable Equipment | <input type="checkbox"/> Other (Specify) _____ | |

List affected APP/PTO Record ID(s): 911504

APPLICANT INFORMATION

Name of Business (DBA) GOAL LINE L.P.

Does this organization own or operate any other APCD permitted equipment at this or any other adjacent locations? ☒ Yes ☐ No

If yes, list assigned Site Record IDs listed on your Permits 960443

Name of Legal Owner (if different from DBA) _____

Equipment Owner

Authority to Construct Mailing Address

Name: <u>GOAL LINE L.P.</u>	Name: <u>SAME</u>
Mailing Address: <u>555 N. Tulip Street</u>	Mailing Address: _____
City: <u>Escondido</u> State: <u>CA</u> Zip: <u>92025</u>	City: _____ State: _____ Zip: _____
ail Address: _____	E-Mail Address: _____

Permit To Operate Mailing Address

Invoice Mailing Address

Name: <u>SAME</u>	Name: <u>SAME</u>
Mailing Address: _____	Mailing Address: _____
City: _____ State: _____ Zip: _____	City: _____ State: _____ Zip: _____
E-Mail Address: _____	E-Mail Address: _____

EQUIPMENT/PROCESS INFORMATION: Type of Equipment: ☒ Stationary ☐ Portable, if portable please enter below the equipment storage address. If portable, will operation exceed 12 consecutive months at the same location ☐ Yes ☐ No

Equipment Location Address _____ City _____ State: _____

Parcel No. _____ Zip _____ Phone () _____ E-mail: _____

Site Contact _____ Phone () _____

General Description of Equipment/Process 42.4 MW General Electric LM6000 natural gas-fired combined cycle combustion gas turbine

Application Submitted by ☐ Owner ☒ Operator ☐ Contractor ☐ Consultant Affiliation _____

EXPEDITED APPLICATION PROCESSING: ☐ I hereby request Expedited Application Processing and understand that:

a) Expedited processing will incur additional fees and permits will not be issued until the additional fees are paid in full (see Rule 40(d)(8)(iv) for details) b) Expedited processing is contingent on the availability of qualified staff c) Once engineering review has begun this request cannot be cancelled d) Expedited processing does not guarantee action by any specific date nor does it guarantee permit approval.

I hereby certify that all information provided on this application is true and correct.

SIGNATURE _____

Date 2/29/14

Print Name Joel Lepoutre, Asset Manager

Company Goal Line L.P.

Phone (951) 302-3701

E-mail Address jlepoutre@pureenergylc.com

Internal Use Only

L _____ Staff Initials: _____ Amt Rec'd \$ _____ Fee Schedule _____
RNP: _____ EMF: _____ NBF: _____ TA: _____

GEN_APP_Form_Rev Date: Feb. 2015



Certificate of Representation

For more information, see instructions and 40 CFR 63 subpart UUUUU, 72.24, 96.113, 96.213, 96.313, 97.113, 97.213, 97.313, 97.416, 97.516, 97.616, 97.716, or a comparable state regulation, as applicable.

This submission is: ☒ New ☐ Revised (revised submissions must be complete; see instructions)

STEP 1
Provide
information for
the plant.

Goal Line Cogeneration Facility Plant Name	CA State	54749 Plant Code
San Diego County Name		
33.119 Latitude	-117.099 Longitude	

STEP 2
Enter
requested
information for
the designated
representative.

Joel Lepoutre Name	Asset Manager Title		
Goal Line L.P. Company Name			
555 North Tulip Street Mailing Address	Escondido City	CA State	92025 Zip Code
(951) 302-3701 Phone Number	(951) 302-2652 Fax Number		
jlepoutre@pureenergylc.com E-mail Address			

STEP 3
Enter
requested
information for
the alternate
designated
representative.

Robert Mason Name	Facility Manager Title		
Goal Line L.P. Company Name			
555 North Tulip Street Mailing Address	Escondido City	CA State	92025 Zip Code
(760) 738-4999 Phone Number	(760) 738-8560 Fax Number		
bob.mason@goallinelp.org E-mail Address			

UNIT INFORMATION

STEP 4: Complete a separate page 2 for each unit located at the plant identified in STEP 1 (i.e., for each boiler, simple cycle combustion turbine, or combined cycle combustion turbine). Do not list duct burners. Indicate each program to which the unit is subject, and enter all other unit-specific information. See instructions for more details.

Applicable Program(s): ☒ Acid Rain ☐ CAIR NO_x Annual ☐ CAIR SO₂ ☐ CAIR NO_x Ozone Season ☐ MATS ☐ TR NO_x Annual ☐ TR NO_x Ozone Season ☐ TR SO₂ Annual

1	CC	Cogeneration Source Category	Generator ID Number (Maximum 8 characters)	Acid Rain Nameplate Capacity (MW _e)	CAIR/ MATS/Transport Rule Nameplate Capacity (MW _e)
Unit ID#	Unit Type	NAICS Code	GEN1	42.4	
		221112	GEN2	9.0	
Date unit began (or will begin) serving any generator producing electricity for sale (including test generation) (mm/dd/yyyy): 11/21/1994		Is this unit located in Indian Country? Check One: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Has this unit ever operated at another location? Check One: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Company Name: Goal Line L.P.		<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator			
Company Name: PurEnergy Operating Services LLC		<input type="checkbox"/> Owner <input checked="" type="checkbox"/> Operator			
Company Name:		<input type="checkbox"/> Owner <input type="checkbox"/> Operator			
Company Name:		<input type="checkbox"/> Owner <input type="checkbox"/> Operator			
Company Name:		<input type="checkbox"/> Owner <input type="checkbox"/> Operator			
Company Name:		<input type="checkbox"/> Owner <input type="checkbox"/> Operator			

STEP 5: Read the appropriate certification statements that apply (if), sign, and date.Acid Rain Program

I certify that I was selected as the designated representative or alternate designated representative (as applicable) by an agreement binding on the owners and operators of the affected source and each affected unit at the source (i.e., the source and each unit subject to the Acid Rain Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the Acid Rain Program on behalf of the owners and operators of the affected source and each affected unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the affected source and each affected unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, an affected unit, or where a utility or industrial customer purchases power from an affected unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the designated representative or alternate designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the affected source and each affected unit at the source; and

Allowances, and proceeds of transactions involving allowances, will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of allowances, allowances and proceeds of transactions involving allowances will be deemed to be held or distributed in accordance with the contract.

Clean Air Interstate Rule (CAIR) NO_x Annual Trading Program

I certify that I was selected as the CAIR designated representative or alternate CAIR designated representative (as applicable), by an agreement binding on the owners and operators of the CAIR NO_x source and each CAIR NO_x unit at the source (i.e., the source and each unit subject to the CAIR NO_x Annual Trading Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the CAIR NO_x Annual Trading Program on behalf of the owners and operators of the CAIR NO_x source and each CAIR NO_x unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the CAIR NO_x source and each CAIR NO_x unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a CAIR NO_x unit, or where a utility or industrial customer purchases power from a CAIR NO_x unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the CAIR designated representative or alternate CAIR designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the CAIR NO_x source and each CAIR NO_x unit at the source; and

CAIR NO_x allowances and proceeds of transactions involving CAIR NO_x allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of CAIR NO_x allowances by contract, CAIR NO_x allowances and proceeds of transactions involving CAIR NO_x allowances will be deemed to be held or distributed in accordance with the contract.

Clean Air Interstate Rule (CAIR) SO₂ Trading Program

I certify that I was selected as the CAIR designated representative or alternate CAIR designated representative (as applicable), by an agreement binding on the owners and operators of the CAIR SO₂ source and each CAIR SO₂ unit at the source (i.e., the source and each unit subject to the SO₂ Trading Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the CAIR SO₂ Trading Program, on behalf of the owners and operators of the CAIR SO₂ source and each CAIR SO₂ unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the CAIR SO₂ source and each CAIR SO₂ unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a CAIR SO₂ unit, or where a utility or industrial customer purchases power from a CAIR SO₂ unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the CAIR designated representative or alternate CAIR designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the CAIR SO₂ source and each CAIR SO₂ unit at the source; and

CAIR SO₂ allowances and proceeds of transactions involving CAIR SO₂ allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of CAIR SO₂ allowances by contract, CAIR SO₂ allowances and proceeds of transactions involving CAIR SO₂ allowances will be deemed to be held or distributed in accordance with the contract.

Clean Air Interstate Rule (CAIR) NO_x Ozone Season Trading Program

I certify that I was selected as the CAIR designated representative or alternate CAIR designated representative (as applicable), by an agreement binding on the owners and operators of the CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source (i.e., the source and each unit subject to the CAIR NO_x Ozone Season Trading Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the CAIR NO_x Ozone Season Trading Program on behalf of the owners and operators of the CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a CAIR NO_x Ozone Season unit, or where a utility or industrial customer purchases power from a CAIR NO_x Ozone Season unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the CAIR designated representative or alternate CAIR designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit; and

CAIR NO_x Ozone Season allowances and proceeds of transactions involving CAIR NO_x Ozone Season allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of CAIR NO_x Ozone Season allowances by contract, CAIR NO_x Ozone Season allowances and proceeds of transactions involving CAIR NO_x Ozone Season allowances will be deemed to be held or distributed in accordance with the contract.

Goal Line Cogeneration Facility

Certificate of Representation

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Transport Rule NO_x Annual Trading Program

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the source and each TR NO_x Annual unit at the source.

I certify that I have all the necessary authority to carry out my duties and responsibilities under the TR NO_x Annual Trading Program on behalf of the owners and operators of the source and of each TR NO_x Annual unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions and by any order issued to me by the Administrator regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a TR NO_x Annual unit, or where a utility or industrial customer purchases power from a TR NO_x Annual unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the source and of each TR NO_x Annual unit at the source.

TR NO_x Annual allowances and proceeds of transactions involving TR NO_x Annual allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of TR NO_x Annual allowances by contract, TR NO_x Annual allowances and proceeds of transactions involving TR NO_x Annual allowances will be deemed to be held or distributed in accordance with the contract.

Transport Rule NO_x Ozone Season Trading Program

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the source and each TR NO_x Ozone Season unit at the source.

I certify that I have all the necessary authority to carry out my duties and responsibilities under the TR NO_x Ozone Season Trading Program on behalf of the owners and operators of the source and of each TR NO_x Ozone Season unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions and by any order issued to me by the Administrator regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a TR NO_x Ozone Season unit, or where a utility or industrial customer purchases power from a TR NO_x Ozone Season unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the source and of each TR NO_x Ozone Season unit at the source.

TR NO_x Ozone Season allowances and proceeds of transactions involving TR NO_x Ozone Season allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of TR NO_x Ozone Season allowances by contract, TR NO_x Ozone Season allowances and proceeds of transactions involving TR NO_x Ozone Season allowances will be deemed to be held or distributed in accordance with the contract.

Transport Rule SO₂ Annual Group 1 Trading Program

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the source and each TR SO₂ Group 1 unit at the source.

I certify that I have all the necessary authority to carry out my duties and responsibilities under the TR SO₂ Group 1 Trading Program on behalf of the owners and operators of the source and of each TR SO₂ Group 1 unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions and by any order issued to me by the Administrator regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a TR SO₂ Group 1 unit, or where a utility or industrial customer purchases power from a TR SO₂ Group 1 unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the source and of each TR SO₂ Group 1 unit at the source.

TR SO₂ Group 1 allowances and proceeds of transactions involving TR SO₂ Group 1 allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of TR SO₂ Group 1 allowances by contract, TR SO₂ Group 1 allowances and proceeds of transactions involving TR SO₂ Group 1 allowances will be deemed to be held or distributed in accordance with the contract.

Transport Rule SO₂ Annual Group 2 Trading Program

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the source and each TR SO₂ Group 2 unit at the source.

I certify that I have all the necessary authority to carry out my duties and responsibilities under the TR SO₂ Group 2 Trading Program on behalf of the owners and operators of the source and of each TR SO₂ Group 2 unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions and by any order issued to me by the Administrator regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a TR SO₂ Group 2 unit, or where a utility or industrial customer purchases power from a TR SO₂ Group 2 unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the source and of each TR SO₂ Group 2 unit at the source.

TR SO₂ Group 2 allowances and proceeds of transactions involving TR SO₂ Group 2 allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of TR SO₂ Group 2 allowances by contract, TR SO₂ Group 2 allowances and proceeds of transactions involving SO₂ Group 2 allowances will be deemed to be held or distributed in accordance with the contract.

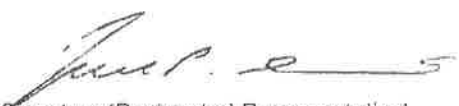

Go2 Line Cogeneration Facility

Certificate of Representation

Page 7 of 7

General

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

 Signature (Designated Representative)	Date 1/5/16
 Signature (Alternate Designated Representative)	Date 1/5/16



Instructions for the Certificate of Representation

NOTE: The Certificate of Representation information can be submitted online through the CAMD Business System (CBS), which can be accessed at <https://camd.epa.gov/cbs/index.cfm>. See the Certificate of Representation tutorial on the CBS homepage for assistance. If you have questions about CBS, send an email to cbs-support@camdsupport.com.

You must have a user name and password to access CBS. You can obtain a user name and password if: (1) you are currently listed in the CAMD database as a designated representative or an agent for a designated representative, **AND** (2) CAMD has received and processed a hard copy of the Electronic Subscriber Agreement form at http://www.epa.gov/airmarkets/business/docs/forms/subscriber_agreement.pdf.

Once a person meets the criteria above, he/she may contact one of the following persons to obtain a user name and password: Karen VanSickle at (202) 343-9220, Kirk Nabors at (202) 343-9171 or Paula Branch at (202) 343-9168.

Any reference in these instructions to the designated representative means the Acid Rain designated representative, the CAIR designated representative, and/or the Transport Rule designated representative, as applicable. Any reference to the alternate designated representative means the alternate Acid Rain designated representative, the alternate CAIR designated representative, and/or the alternate Transport Rule designated representative, as applicable. As reflected in this form, the Acid Rain designated representative, the CAIR designated representative, and the Transport Rule designated representative for a plant must be the same individual, and the alternate Acid Rain designated representative, the alternate CAIR designated representative, and the alternate Transport Rule designated representative for a plant must be the same individual.

Please type or print. Submit a separate page 2 for each unit at the plant subject to the Acid Rain Program (ARP), a CAIR Trading Program (CAIR), the MATS program, or a Transport Rule Program (TR). Include units for which a Retired Unit Exemption notice has been submitted. Indicate the page order and total number of pages (e.g., 1 of 4, 2 of 4, etc.) in the boxes in the upper right hand corner of page 2. **A Certificate of Representation amending an earlier submission supersedes the earlier submission in its entirety and must therefore always be complete.** Submit one Certificate of Representation form with original signature(s). **NO FIELDS SHOULD BE LEFT BLANK.** For assistance, send an email to cbs-support@camdsupport.com.

STEP 1

(i) A plant code is a 4 or 5 digit number assigned by the Department of Energy's (DOE) Energy Information Administration (EIA) to facilities that generate electricity. For older plants, "plant code" is synonymous with "ORISPL" and "facility" codes. If the plant generates electricity but no plant code has been assigned, or if there is uncertainty regarding what the plant code is, send an email to the EIA at EIA-860@eia.gov. For plants that do not produce electricity, use the plant identifier assigned by EPA (beginning with "88"). If the plant does not produce electricity and has not been assigned a plant identifier, contact Laurel DeSantis at desantis.laurel@epa.gov.

(ii) Enter the latitude and longitude representing the location of the plant in degree decimal format.

Note that coordinates **MUST** be submitted in decimal degree format; in this format minutes and seconds are represented as a decimal fraction of one degree. Therefore, coordinates containing degrees, minutes, and seconds must first be converted using the formula:

$$\text{decimal degrees} = \text{degrees} + (\text{minutes} / 60) + (\text{seconds} / 3600)$$

Example:

$$39 \text{ degrees, } 15 \text{ minutes, } 25 \text{ seconds} = 39 + (15 / 60) + (25 / 3600) = 39.2569 \text{ degrees}$$

STEPS 2 & 3

The designated representative and the alternate designated representative must be individuals (i.e., natural persons) and cannot be a company. Enter the company name and address of the representative as it should appear on all correspondence. If an email address is provided, most correspondence will be emailed. **Although not required, EPA strongly encourages owners and operators to designate an alternate designated representative to act on behalf of the designated representative.**

STEP 4

(i) Complete one page for each unit subject to the ARP, CAIR, MATS, or TR, and indicate the program(s) that the unit is subject to. Identify each unit at the plant by providing the appropriate unit identification number, consistent with the identifiers used in previously submitted Certificates of Representation (if applicable) and with submissions made to DOE and/or EIA. Do not list duct burners. For new units without identification numbers, owners and operators must assign identifiers consistent with EIA and DOE requirements. Each submission to EPA that includes the unit identification number(s) (e.g., monitoring plans and quarterly reports) should reference those unit identification numbers in exactly the same way that they are referenced on the Certificate of Representation. Do not identify units that are not subject to the above-listed programs but are part of a common monitoring configuration with a unit that is subject to any of these programs. To identify units in a common monitoring configuration that are not subject to any of these programs, call the CAMD Hotline at (202) 343-9620, and leave a message under the "Continuous Emissions Monitoring" submenu.

(ii) Identify the type of unit using one of the following abbreviations:

<u>Boilers</u>		<u>Boilers</u>		<u>Turbines</u>	
AF	Arch-fired boiler	OB	Other boiler	CC	Combined cycle
BFB	Bubbling fluidized bed boiler	PFB	Pressurized fluidized bed boiler	CT	Combustion turbine
C	Cyclone boiler	S	Stoker	IGC	Integrated Gasification Combined Cycle
CB	Cell burner boiler	T	Tangentially-fired boiler	OT	Other turbine
CFB	Circulating fluidized bed boiler	WBF	Wet bottom wall-fired boiler	<u>Others</u>	
DB	Dry bottom wall-fired boiler	WBT	Wet bottom turbo-fired boiler	ICE	Internal Combustion engine
DTF	Dry bottom turbo-fired boiler	WVF	Wet boiler vertically-fired boiler	KLN	Cement kiln
DVF	Dry bottom vertically-fired boiler			PRH	Refinery process heater

If there is uncertainty about how a unit should be characterized, contact Robert Miller at miller.robert1@epa.gov or (202) 343-9077.

(iii) Indicate the source category description that most accurately describes the purpose for which the unit is operated by entering one of the following terms. If none of these descriptions applies to your unit, contact Robert Miller at miller.robert1@epa.gov or (202) 343-9077.

Automotive Stampings
Bulk Industrial Chemical
Cement Manufacturing
Cogeneration
Electric Utility

Industrial Boiler
Industrial Turbine
Institutional
Iron and Steel
Municipal Waste Combustor

Petroleum Refinery
Portland Cement Plant
Pulp and Paper Mill
Small Power Producer
Theme Park

(iv) Provide the primary North American Industrial Classification System (NAICS) code that most accurately describes the business type for which the unit is operated. If unknown, go to <http://www.census.gov> for guidance on how to determine the proper NAICS code for the unit.

(v) Enter the date the unit began (or will begin) serving any generator producing electricity for sale, including test generation. Enter this date and check the "actual" box for any unit that has begun to serve a generator producing electricity for sale as of the date of submission of this form. (This information should be provided even if the unit does not currently serve a generator producing electricity for sale.) For any unit that will begin, but has not begun as of the date of submission of this form, to serve a generator producing electricity for sale, estimate the future date on which the unit will begin to produce electricity for sale and check the "projected" box. When the actual date is established, revise the form accordingly by entering the actual date and checking the "actual" box. Enter "NA" if the unit has not ever served, is not currently serving, and is not projected to serve, a generator that produces electricity for sale. **You are strongly encouraged to use the CAMD Business System to update information regarding the date a unit begins serving a generator producing electricity for sale. See the Certificate of Representation tutorial on the CBS homepage for assistance.**

If you have questions regarding this portion of the form, contact Robert Miller at miller.robertl@epa.gov or (202) 343-9077.

(vi) For a unit subject to the ARP, CAIR, MATS, or TR, that, as of the date of submission of this form, serves one or more generators (whether or not the generator produces electricity for sale), enter the generator ID number(s) and the nameplate capacity (in MWe) of each generator served by the unit. A unit serves a generator if it produces, or is able to produce, steam, gas, or other heated medium for generating electricity at that generator. For combined cycle units, report separately the nameplate capacities of the generators associated with the combustion turbine and the steam turbine. Please ensure that the generator ID numbers entered are consistent with those reported to the EIA.

The definitions of "nameplate capacity" under the ARP and CAIR/MATS/TR Programs differ slightly. Therefore, for a unit subject to the ARP and any CAIR/MATS/TR Program, the nameplate capacity for the same generator under the ARP and under the CAIR/MATS/TR Program may differ in certain limited circumstances. Specifically, for a unit subject to the ARP, the nameplate capacity of a generator, if listed in the National Allowance Database ("NADB"), is not affected by physical changes to the generator after initial installation that result in an increase in the maximum electrical generating output that the generator is capable of producing. Otherwise, for a unit subject to the ARP or a CAIR/MATS/TR Program, the nameplate capacity of a generator is affected by physical changes to the generator after initial installation that result in an increase in the maximum electrical generating output that the generator is capable of producing. In such a case, the higher maximum electrical generating output number in MWe should be reported in the nameplate capacity column. For units subject only to MATS, use the nameplate capacity reported for each generator on U.S. EIA form EIA-860. If the facility does not report to U.S. EIA, use the nameplate capacity displayed on the nameplate of the generator served by the unit. Enter "NA" if, as of the date of submission of this form, the unit does not serve a generator.

See the definition of "nameplate capacity" at 40 CFR 72.2, 96.102, 97.102, 96.202, 97.202, 96.302, 97.302, 97.402, 97.502, 97.602, and 97.702, as applicable. The NADB is located at the CAMD website at <http://www.epa.gov/airmarkets/trading/allocations.html>. If you have questions regarding nameplate capacity, contact Robert Miller at miller.robertl@epa.gov or (202) 343-9077; if you have questions regarding the NADB, contact Craig Hillock at hillock.craig@epa.gov or (202) 343-9105.

(vii) Enter the company name of each owner and operator in the "Company Name" field. Indicate whether the company is the owner, operator, or both. For new units, if the operator of a unit has not yet been chosen, indicate that the owner is both the owner and operator and submit a revised form when the operator has been selected within 30 days of the effective date of the selection. EPA must be notified of changes to owners and operators within 30 days of the effective date of the change. **You are strongly encouraged to use the CAMD Business System to provide updated information on owners and operators. See the Certificate of Representation tutorial on the CBS homepage for assistance.**

(viii) Indicate whether or not the unit is located in Indian Country. For more information see the definition of "Indian Country" at 40 CFR 97.402, 97.502, 97.602 and 97.702.

(ix) When identifying a unit at a plant for the first time, indicate whether or not the unit ever operated at another location. If the answer is "yes", the EPA will contact the owners/operator for more information.

STEP 5

Read the appropriate certification statements that apply (if any), sign, and date.

Mail this form to:

For regular/certified mail:

U.S. Environmental Protection Agency
1200 Pennsylvania Ave., NW
Mail Code 6204M
Attention: Designated Representative
Washington, DC 20460

For overnight mail:

U.S. Environmental Protection Agency
1201 Constitution Ave., NW
7th Floor, Room # 7421M
Attention: Designated Representative
Washington, DC 20004
(202) 343-9191

Submit this form prior to making any other submissions under the ARP, CAIR, MATS or TR Programs. Submit a revised Certificate of Representation when any information in the existing Certificate of Representation changes. You are strongly encouraged to use the CAMD Business System to provide updated information. See the Certificate of Representation tutorial on the CBS homepage for assistance.

Paperwork Burden Estimate

The public reporting and record keeping burden for this collection of information is estimated to average 15 hours per response annually. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW., Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

ATTACHMENT 3

Facility Emissions Calculations

**GOAL LINE L.P.
GOAL LINE COGENERATION FACILITY
INITIAL TITLE V APPLICATION**

MAXIMUM POTENTIAL EMISSIONS -- EXISTING FACILITY

Pollutant	Maximum PTE (tpy)		
	Gas Turbine	Aux Boiler	Totals
CO	93.0	1.2	93.0
NOx	30.6	2.3	30.6
PM10	11.0	0.5	11.0
PM2.5	11.0	0.5	11.0
SOx	3.49	0.04	3.5
VOC	3.49	0.34	3.5

Notes

Facility-wide totals do not reflect contributions from the auxiliary boiler since the auxiliary boiler does not operate simultaneously with the gas turbine.

**GOAL LINE L.P.
GOAL LINE COGENERATION FACILITY
INITIAL TITLE V APPLICATION**

MAXIMUM EMISSIONS - GAS TURBINE

Parameter	
Generator Power Output (MW)	42.4
Heat Input Rate (MMBtu/hr @ HHV)	405
Higher Heating Value (Btu/scf)	1,020
Fuel Sulfur Content (gr/100 scf)	0.75
F-Factor (dscf/MMBtu @ 0% O ₂)	8,710
F-Factor (dscf CO ₂ /MMBtu)	1,040
Standard Temperature (deg F)	68
Exhaust CO ₂	

Device	Gas Turbine
Make	General Electric
Model	LM6000
Fuel	Natural Gas
Daily SU/SD Hours	2
Daily Operating Hours	24
Annual Operating Days	365
Annual Operating Hour:	8200

Pollutant	Exhaust Concentration (ppmvd @ 15% O ₂)	Emission Factor (lb/MMBtu)	Maximum Emissions				
			SU/SD (lb/hr)	Hourly (lb/hr)	Daily (lb/day)	Annual (lb/yr)	Annual (tpy)
CO	25.0	0.056	N/A	22.7	544	185,998	93.0
NO _x	5.0	0.018	25.0	7.45	214	61,114	30.6
PM ₁₀ ---> gr/dscf @ 12% CO ₂	0.005	0.0066	N/A	2.67	64.1	21,908	11.0
PM _{2.5} ---> gr/dscf @ 12% CO ₂	0.005	0.0066	N/A	2.67	64.1	21,908	11.0
SO _x	0.4	0.0021	N/A	0.85	20.4	6,973	3.49
VOC (as CH ₄)	1.6	0.0021	N/A	0.85	20.4	6,971	3.49

Notes

Generator power output (in MW) and heat input rate (in MMBtu/hr) were obtained from the PTO.

Higher heating value (HHV, in Btu/scf) and fuel sulfur content (in gr/100 scf NG) reflects typical values for Southern California natural gas.

F-Factors (in scf/MMBtu) and standard temperature (in degrees F) were obtained from Method 19 of Appendix A to 40 CFR Part 60.

CO and NO_x exhaust gas concentrations (in ppmvd @ 15% O₂) were obtained from the PTO. Hourly emissions (in lb/hr) were calculated from the exhaust concentrations (in ppmvd @ 15% O₂), heat input rate (in MMBtu/hr), dry F-Factor (in scf/MMBtu @ 0% O₂), and reference O₂ concentration (15%). Emission rates (in lb/MMBtu) were calculated from the hourly emissions (in lb/hr) and the heat input rate (in MMBtu/hr).

PM₁₀ and VOC emission rates (in lb/MMBtu) were obtained from Table 3.1-2a of AP-42 (April 2000). PM₁₀ was assumed to comprise 100% PM_{2.5}. SO_x emission rate (in lb/MMBtu) was calculated from the fuel sulfur content limit, higher heating value (in Btu/scf), and heat input rate (in MMBtu/hr). Hourly emissions (in lb/hr) were calculated from the emission rate (in lb/MMBtu) and the heat input rate (in MMBtu/hr). Exhaust gas concentrations (in ppmvd @ 15% O₂) were calculated from the hourly emission rate (in lb/hr), heat input rate (in MMBtu/hr), dry F-Factor (in scf/MMBtu @ 0% O₂), and reference O₂ concentration (15%).

Maximum daily SU/SD hours were assumed to be 2 hr/day. NO_x SU/SD emission rate was obtained from the PTO.

Daily NO_x emissions (in lb/day) were calculated from the SU/SD emission rate (in lb/hr) at 2 hr/day and the hourly emission rate (in lb/hr) at 22 hr/day. Daily emissions for the other pollutants were calculated from the hourly emission rate (in lb/hr) at 24 hr/day.

Annual emissions (in tpy) were calculated from the daily emission (in lb/day) and the annual operating days.

GOAL LINE L.P.
GOAL LINE COGENERATION FACILITY
INITIAL TITLE V APPLICATION

MAXIMUM EMISSIONS - AUXILIARY BOILER

Parameter	
Heat Input Rate (MMBtu/hr @ HHV)	14.6
Higher Heating Value (Btu/scf)	1,020
F-Factor (dscf/MMBtu @ 0% O ₂)	8,710
F-Factor (dscf CO ₂ /MMBtu)	1,040
Standard Temperature (deg F)	68

Device	Boiler
Make	Sellers Engineering
Model	350HP-SH-LN390
Fuel	Natural Gas
Daily Operating Hours	24
Annual Operating Days	365
Annual Operating Hours	560

Pollutant	Exhaust Concentration (ppmvd @ 3% O ₂)	Emission Factor (lb/MMBtu)				
			Hourly (lb/hr)	Daily (lb/day)	Annual (lb/yr)	Annual (tpy)
CO	400	0.296	4.31	104	2,416	1.2
NOx	30.0	0.036	0.53	12.8	4,657	2.33
PM10 ---> gr/dscf @ 12% CO ₂	0.006	0.0075	0.11	2.61	953	0.48
PM2.5 ---> gr/dscf @ 12% CO ₂	0.006	0.0075	0.11	2.61	953	0.48
SOx	0.3	0.00059	0.009	0.21	75	0.04
VOC (as CH ₄)	12.8	0.0054	0.08	1.89	690	0.34

Notes

Heat input rate (in MMBtu/hr) were obtained from the PTO.

Higher heating value (HHV, in Btu/scf) was obtained from Table 1.4-2 of AP-42 (July 1998).

F-Factors (in scf/MMBtu) and standard temperature (in degrees F) were obtained from Method 19 of Appendix A to 40 CFR Part 60.

CO and NOx exhaust gas concentrations (in ppmvd @ 3% O₂) were obtained from the PTO. Hourly emissions (in lb/hr) were calculated from the exhaust concentrations (in ppmvd @ 3% O₂), heat input rate (in MMBtu/hr), dry F-Factor (in scf/MMBtu @ 0% O₂), and reference O₂ concentration (3%). Emission rates (in lb/MMBtu) were calculated from the hourly emissions (in lb/hr) and the heat input rate (in MMBtu/hr).

PM10, SOx, and VOC emission rates (in lb/MMBtu) were obtained from Table 1.4-2 of AP-42 (July 1998). PM10 was assumed to comprise 100% PM2.5. Hourly emissions (in lb/hr) were calculated from the emission rate (in lb/MMBtu) and the heat input rate (in MMBtu/hr).

Exhaust gas concentrations (in ppmvd @ 3% O₂) were calculated from the hourly emission rate (in lb/hr), heat input rate (in MMBtu/hr), dry F-Factor (in scf/MMBtu @ 0% O₂), and reference O₂ concentration (3%).

Daily emissions were calculated from the hourly emission rate (in lb/hr) at 24 hr/day.

Annual emissions (in tpy) were calculated from the daily emission (in lb/day) and the annual operating days.

GOAL LINE L.P.**GOAL LINE COGENERATION FACILITY****INITIAL TITLE V APPLICATION****MAXIMUM POTENTIAL TAC EMISSIONS - FACILITY**

Pollutant	Maximum PTE (lb/yr)		
	Gas Turbine	Auxiliary Boiler	Facility
Acetaldehyde	476	1.11	476
Acrolein	65.7	0.34	66
Ammonia	48,256		48,256
Benzaldehyde		2.06	0.00
Benzene	46.2	0.54	46.2
1,3-Butadiene	0.44		0.44
Ethylbenzene	62.2	1.19	62.2
Formaldehyde	3,188	27.7	3,188
Hexane	900	0.79	900
Naphthalene	5.77	0.04	5.77
Other PAHs	0	0.01	0.00
Acenaphthene	0.07		0.07
Acenaphthylene	0.05		0.05
Anthracene	0.12		0.12
Benzo(a)anthracene	0.08		0.08
Benzo(b)fluoranthene	0.04		0.04
Benzo(k)fluoranthene	0.04		0.04
Benzo(g,h,i)perylene	0.05		0.05
Benzo(a)pyrene	0.05		0.05
Benzo(e)pyrene	0.002		0.002
2-Chloronaphthalene	0.0009		0.0009
Chrysene	0.09		0.09
Dibenz(a,h)anthracene	0.08		0.08
Fluoranthene	0.15		0.15
Fluorene	0.20		0.20
Indeno(1,2,3-cd)pyrene	0.08		0.08
2-Methylnaphthalene	0.02		0.02
Perylene	0.002		0.002
Phenanthrene	1.09		1.09
Pyrene	0.10		0.10
Propylene	2,680	91.7	2,680
Propylene Oxide	166		166
Toluene	247	4.59	247
Xylenes	91	3.41	90.7
MAXMIMUM HAP -- Formaldehyde			3,188
MAXMIMUM HAP (tpy)			1.59
TOTAL HAPS			5,251
TOTAL HAPS (tpy)			2.63

Notes

Facility-wide totals do not reflect contributions from the auxiliary boiler since the auxiliary boiler does not operate simultaneously with the gas turbine.

GOAL LINE L.P.
GOAL LINE COGENERATION FACILITY
INITIAL TITLE V APPLICATION

MAXIMUM TAC EMISSIONS - GAS TURBINE

Parameter	
Device	Gas Turbine
Make	General Electric
Model	LM6000
Fuel	Natural Gas
Heat Input Rate (MMBtu/hr @ HHV)	405
HHV (Btu/scf)	1,020
Fuel Consumption Rate (mmscfh)	0.397
Annual Operating Hours	8,760
Annual Fuel Consumption (mmscf/yr)	3,477
F-Factor (dscf/MMBtu @ 0% O ₂)	8,710

Pollutant	Emission Factor (lb/MMBtu)	Maximum Emissions	
		Hourly (lb/hr)	Annual (lb/yr)
Acetaldehyde	1.37E-01	5.44E-02	476
Acrolein	1.89E-02	7.50E-03	65.7
Ammonia	10.0	5.5	48,256
Benzene	1.33E-02	5.28E-03	46.2
1,3-Butadiene	1.27E-04	5.04E-05	0.44
Ethylbenzene	1.79E-02	7.10E-03	62.2
Formaldehyde	9.17E-01	3.64E-01	3,188
Hexane	2.59E-01	1.03E-01	900
Naphthalene	1.66E-03	6.59E-04	5.77
Other PAHs			
Acenaphthene	1.90E-05	7.54E-06	0.07
Acenaphthylene	1.47E-05	5.83E-06	0.05
Anthracene	3.38E-05	1.34E-05	0.12
Benzo(a)anthracene	2.26E-05	8.97E-06	0.08
Benzo(b)fluoranthene	1.13E-05	4.48E-06	0.04
Benzo(k)fluoranthene	1.10E-05	4.37E-06	0.04
Benzo(g,h,i)perylene	1.37E-05	5.44E-06	0.05
Benzo(a)pyrene	1.39E-05	5.52E-06	0.05
Benzo(e)pyrene	5.44E-07	2.16E-07	0.002
2-Chloronaphthalene	2.72E-07	1.08E-07	0.0009
Chrysene	2.52E-05	1.00E-05	0.09
Dibenz(a,h)anthracene	2.35E-05	9.33E-06	0.08
Fluoranthene	4.32E-05	1.71E-05	0.15
Fluorene	5.80E-05	2.30E-05	0.20
Indeno(1,2,3-cd)pyrene	2.35E-05	9.33E-06	0.08
2-Methylnaphthalene	5.29E-06	2.10E-06	0.02
Perylene	7.00E-07	2.78E-07	0.002
Phenanthrene	3.13E-04	1.24E-04	1.09
Pyrene	2.77E-05	1.10E-05	0.10
Propylene	7.71E-01	3.06E-01	2,680
Propylene Oxide	4.78E-02	1.90E-02	166
Toluene	7.10E-02	2.82E-02	247
Xylenes	2.61E-02	1.04E-02	91
TOTAL HAPS			5,251

Notes

Heat input rate (in MMBtu/hr) was obtained from the PTO.

Higher heating value (HHV, in Btu/scf) reflects the default value in Tables 1.4-1 and 1.4-2 of AP-42.

Fuel consumption rate (in scfh) was calculated from the heat input rate (in MMBtu/hr) and the HHV.

F-Factors (in scf/MMBtu) and standard temperature were obtained from Method 19 of Appendix A to 40 CFR Part 60.

Annual fuel consumption (in mmscf/yr) was calculated from the hourly fuel consumption rate (in scfh) and the annual operating hours.

Emission factors (in lb/MMBtu) -- excluding ammonia -- were obtained from CARB's CATEF database for natural gas-fired gas turbines equipped with SCR.

Hourly emissions (in lb/hr) were calculated from the emission factor (in lb/MMBtu) and the fuel consumption rate (in scfh).

The ammonia emission limit (in ppmv @ 15% O₂) was obtained from the PTO. Hourly emissions (in lb/hr) were calculated from the exhaust concentration (in ppmvd @ 15% O₂), heat input rate (in MMBtu/hr), F-Factor (in scf/MMBtu @ 0% O₂), and reference O₂ concentration (15%).

Annual emissions (in lb/yr) were calculated from the hourly emission (in lb/hr) and the annual operating hours.

Total HAP emissions (in lb/yr) exclude ammonia and propylene, which are not federal HAPs.

GOAL LINE L.P.
GOAL LINE COGENERATION FACILITY
INITIAL TITLE V APPLICATION

MAXIMUM TAC EMISSIONS - AUXILIARY BOILER

Parameter	
Device	Auxiliary Boiler
Make	Sellers Engineering
Model	350HP-SH-LN390
Fuel	Natural Gas
Heat Input Rate (MMBtu/hr @ HHV)	14.6
HHV (Btu/scf)	1,020
Fuel Consumption Rate (mmscfh)	0.014
Annual Operating Hours	8,760
Annual Fuel Consumption (mmscf/yr)	125

Pollutant	Emission Factor		Maximum Emissions	
	(lb/MMBtu)	Source	Hourly (lb/hr)	Annual (lb/yr)
Acetaldehyde	8.87E-03	CATEF	1.27E-04	1.11
Acrolein	2.70E-03	Ventura	3.86E-05	0.34
Benzaldehyde	1.64E-02	CATEF	2.35E-04	2.06
Benzene	4.31E-03	CATEF	6.17E-05	0.54
Ethylbenzene	9.50E-03	Ventura	1.36E-04	1.19
Formaldehyde	2.21E-01	CATEF	3.16E-03	27.7
Hexane	6.30E-03	Ventura	9.02E-05	0.79
Naphthalene	3.00E-04	Ventura	4.29E-06	0.04
Other PAHs	1.00E-04	Ventura	1.43E-06	0.01
Propylene	7.31E-01	Ventura	1.05E-02	91.7
Toluene	3.66E-02	Ventura	5.24E-04	4.59
Xylenes	2.72E-02	Ventura	3.89E-04	3.41
TOTAL HAPS				41.8

Notes

Heat input rate (in MMBtu/hr) was obtained from the PTO.

Higher heating value (HHV, in Btu/scf) reflects the default value in Tables 1.4-1 and 1.4-2 of AP-42.

Fuel consumption rate (in scfh) was calculated from the heat input rate (in MMBtu/hr) and the HHV.

Annual fuel consumption (in mscf/yr) was calculated from the hourly fuel consumption rate (in scfh) and the annual operating hours.

Emission factors (in lb/MMBtu) were obtained from CARB's CATEF database for natural gas-fired boilers and from Ventura County APCD's air toxics emission factor database for external combustion. Hourly emissions (in lb/hr) were calculated from the emission factor (in lb/MMBtu) and the fuel consumption rate (in scfh).

Annual emissions (in lb/yr) were calculated from the hourly emission (in lb/hr) and the annual operating hours.

Total HAP emissions (in lb/yr) exclude propylene, which are not federal HAPs.

GOAL LINE L.P.**GOAL LINE COGENERATION FACILITY****INITIAL TITLE V APPLICATION****MAXIMUM POTENTIAL GHG EMISSIONS**

Parameter	Gas Turbine	Auxiliary Boiler	Facility
Annual Heat Input (MMBtu/yr)	3,546,048	127,896	N/A
CO2 Emission Factor (kg/MMBtu)	53.02	53.02	N/A
CH4 Emission Factor (kg/MMBtu)	1.0E-03	1.0E-03	N/A
N2O Emission Factor (kg/MMBtu)	1.0E-04	1.0E-04	N/A
CO2 GWP	1	1	N/A
CH4 GWP	21	21	N/A
N2O GWP	310	310	N/A

Pollutant	Annual PTE (tpy)		
	Gas Turbine	Auxiliary Boiler	Facility
CO2	207,289	7,476	207,289
CH4	3.91	0.14	3.91
N2O	0.39	0.01	0.39
CO2 (CO2e)	207,289	7,476	207,289
CH4 (CO2e)	82.1	2.96	82.1
N2O (CO2e)	121	4.4	121
TOTAL CO2e (tpy)	207,493	7,484	207,493

Notes

GHG emission factors were obtained from Tables C-1 and C-2 of Subpart C of Part 98.

Global warming potential (GWP) values were obtained from Table A-1 of Subpart A of Part 98.

Annual GHG emissions (in tpy) were calculated from the annual heat input rate (in MMBtu/yr) and the GHG emission factors (in kg/MMBtu).

Facility-wide totals do not reflect contributions from the auxiliary boiler since the auxiliary boiler does not operate simultaneously with the gas turbine.

		System Type	Material Type	SCC	APC Device	CAS	Substance	Max Emission factor	Mean Emission Factor	Median emission factor	Unit
	4544	Turbine	Natural gas	20200203	None	106-99-0	1,3-Butadiene	1.33E-04	1.27E-04	1.24E-04	lbs/MMcf
	4545	Turbine	Natural gas	20200203	SCR	106-99-0	1,3-Butadiene	1.33E-04	1.27E-04	1.24E-04	lbs/MMcf
	4546	Turbine	Natural gas	20200203	SCR/AI	106-99-0	1,3-Butadiene	1.33E-04	1.27E-04	1.24E-04	lbs/MMcf
	4549	Turbine	Natural gas	20200203	None	91-58-7	2-Chloronaphthalene	4.69E-07	2.72E-07	1.74E-07	lbs/MMcf
	4550	Turbine	Natural gas	20200203	SCR	91-58-7	2-Chloronaphthalene	4.69E-07	2.72E-07	1.74E-07	lbs/MMcf
	4551	Turbine	Natural gas	20200203	SCR/AI	91-58-7	2-Chloronaphthalene	4.69E-07	2.72E-07	1.74E-07	lbs/MMcf
	4554	Turbine	Natural gas	20200203	None	91-57-6	2-Methylnaphthalene	6.30E-06	5.29E-06	5.07E-06	lbs/MMcf
	4555	Turbine	Natural gas	20200203	SCR	91-57-6	2-Methylnaphthalene	6.30E-06	5.29E-06	5.07E-06	lbs/MMcf
	4556	Turbine	Natural gas	20200203	SCR/AI	91-57-6	2-Methylnaphthalene	6.30E-06	5.29E-06	5.07E-06	lbs/MMcf
	4559	Turbine	Natural gas	20200203	None	83-32-9	Acenaphthene	1.22E-04	1.90E-05	5.23E-06	lbs/MMcf
	4560	Turbine	Natural gas	20200203	SCR	83-32-9	Acenaphthene	1.22E-04	1.90E-05	5.23E-06	lbs/MMcf
	4561	Turbine	Natural gas	20200203	SCR/AI	83-32-9	Acenaphthene	1.22E-04	1.90E-05	5.23E-06	lbs/MMcf
	4564	Turbine	Natural gas	20200203	None	208-96-8	Acenaphthylene	8.25E-05	1.47E-05	2.88E-06	lbs/MMcf
	4565	Turbine	Natural gas	20200203	SCR	208-96-8	Acenaphthylene	8.25E-05	1.47E-05	2.88E-06	lbs/MMcf
	4566	Turbine	Natural gas	20200203	SCR/AI	208-96-8	Acenaphthylene	8.25E-05	1.47E-05	2.88E-06	lbs/MMcf
	4569	Turbine	Natural gas	20200203	None	75-07-0	Acetaldehyde	5.11E-01	1.37E-01	5.38E-02	lbs/MMcf
	4570	Turbine	Natural gas	20200203	SCR	75-07-0	Acetaldehyde	5.11E-01	1.37E-01	5.38E-02	lbs/MMcf
	4571	Turbine	Natural gas	20200203	SCR/AI	75-07-0	Acetaldehyde	5.11E-01	1.37E-01	5.38E-02	lbs/MMcf
	4574	Turbine	Natural gas	20200203	None	107-02-8	Acrolein	6.93E-02	1.89E-02	1.09E-02	lbs/MMcf
	4575	Turbine	Natural gas	20200203	SCR	107-02-8	Acrolein	6.93E-02	1.89E-02	1.09E-02	lbs/MMcf
	4576	Turbine	Natural gas	20200203	SCR/AI	107-02-8	Acrolein	6.93E-02	1.89E-02	1.09E-02	lbs/MMcf
	4579	Turbine	Natural gas	20200203	None	120-12-7	Anthracene	1.53E-04	3.38E-05	9.38E-06	lbs/MMcf
	4580	Turbine	Natural gas	20200203	SCR	120-12-7	Anthracene	1.53E-04	3.38E-05	9.38E-06	lbs/MMcf
	4581	Turbine	Natural gas	20200203	SCR/AI	120-12-7	Anthracene	1.53E-04	3.38E-05	9.38E-06	lbs/MMcf
	4539	Turbine	Natural gas	20200201	None	71-43-2	Benzene	9.90E-02	9.09E-02	9.42E-02	lbs/MMcf
	4536	Turbine	Natural gas	20100201	None	71-43-2	Benzene	9.90E-02	9.09E-02	9.42E-02	lbs/MMcf
	4537	Turbine	Natural gas	20100201	None	71-43-2	Benzene	9.90E-02	9.09E-02	9.42E-02	lbs/MMcf
	4538	Turbine	Natural gas	20200201	None	71-43-2	Benzene	9.90E-02	9.09E-02	9.42E-02	lbs/MMcf
	4586	Turbine	Natural gas	20200203	None	71-43-2	Benzene	4.72E-02	1.33E-02	1.01E-02	lbs/MMcf
	4587	Turbine	Natural gas	20200203	None	71-43-2	Benzene	4.72E-02	1.33E-02	1.01E-02	lbs/MMcf
	4588	Turbine	Natural gas	20200203	SCR	71-43-2	Benzene	4.72E-02	1.33E-02	1.01E-02	lbs/MMcf
	4589	Turbine	Natural gas	20200203	SCR	71-43-2	Benzene	4.72E-02	1.33E-02	1.01E-02	lbs/MMcf
	4590	Turbine	Natural gas	20200203	SCR/AI	71-43-2	Benzene	4.72E-02	1.33E-02	1.01E-02	lbs/MMcf
	4591	Turbine	Natural gas	20200203	SCR/AI	71-43-2	Benzene	4.72E-02	1.33E-02	1.01E-02	lbs/MMcf
	4594	Turbine	Natural gas	20200203	None	56-55-6	Benzo(a)anthracene	1.34E-04	2.26E-05	3.61E-06	lbs/MMcf
	4595	Turbine	Natural gas	20200203	SCR	56-55-6	Benzo(a)anthracene	1.34E-04	2.26E-05	3.61E-06	lbs/MMcf
	4596	Turbine	Natural gas	20200203	SCR/AI	56-55-6	Benzo(a)anthracene	1.34E-04	2.26E-05	3.61E-06	lbs/MMcf
	4599	Turbine	Natural gas	20200203	None	50-32-8	Benzo(a)pyrene	9.16E-05	1.39E-05	2.57E-06	lbs/MMcf
	4600	Turbine	Natural gas	20200203	SCR	50-32-8	Benzo(a)pyrene	9.16E-05	1.39E-05	2.57E-06	lbs/MMcf
	4601	Turbine	Natural gas	20200203	SCR/AI	50-32-8	Benzo(a)pyrene	9.16E-05	1.39E-05	2.57E-06	lbs/MMcf
	4604	Turbine	Natural gas	20200203	None	205-99-2	Benzo(b)fluoranthene	6.72E-05	1.13E-05	2.87E-06	lbs/MMcf
	4605	Turbine	Natural gas	20200203	SCR	205-99-2	Benzo(b)fluoranthene	6.72E-05	1.13E-05	2.87E-06	lbs/MMcf
	4606	Turbine	Natural gas	20200203	SCR/AI	205-99-2	Benzo(b)fluoranthene	6.72E-05	1.13E-05	2.87E-06	lbs/MMcf
	4609	Turbine	Natural gas	20200203	None	192-97-2	Benzo(e)pyrene	7.33E-07	5.44E-07	4.63E-07	lbs/MMcf
	4610	Turbine	Natural gas	20200203	SCR	192-97-2	Benzo(e)pyrene	7.33E-07	5.44E-07	4.63E-07	lbs/MMcf
	4611	Turbine	Natural gas	20200203	SCR/AI	192-97-2	Benzo(e)pyrene	7.33E-07	5.44E-07	4.63E-07	lbs/MMcf
	4614	Turbine	Natural gas	20200203	None	191-24-2	Benzo(g,h,i)perylene	8.25E-05	1.37E-05	3.03E-06	lbs/MMcf
	4615	Turbine	Natural gas	20200203	SCR	191-24-2	Benzo(g,h,i)perylene	8.25E-05	1.37E-05	3.03E-06	lbs/MMcf
	4616	Turbine	Natural gas	20200203	SCR/AI	191-24-2	Benzo(g,h,i)perylene	8.25E-05	1.37E-05	3.03E-06	lbs/MMcf
	4619	Turbine	Natural gas	20200203	None	207-08-9	Benzo(k)fluoranthene	6.72E-05	1.10E-05	2.87E-06	lbs/MMcf
	4620	Turbine	Natural gas	20200203	SCR	207-08-9	Benzo(k)fluoranthene	6.72E-05	1.10E-05	2.87E-06	lbs/MMcf
	4621	Turbine	Natural gas	20200203	SCR/AI	207-08-9	Benzo(k)fluoranthene	6.72E-05	1.10E-05	2.87E-06	lbs/MMcf
	4624	Turbine	Natural gas	20200203	None	218-01-9	Chrysene	1.50E-04	2.52E-05	4.99E-06	lbs/MMcf
	4625	Turbine	Natural gas	20200203	SCR	218-01-9	Chrysene	1.50E-04	2.52E-05	4.99E-06	lbs/MMcf
	4626	Turbine	Natural gas	20200203	SCR/AI	218-01-9	Chrysene	1.50E-04	2.52E-05	4.99E-06	lbs/MMcf
	4629	Turbine	Natural gas	20200203	None	53-70-3	Dibenz(a,h)anthracene	1.34E-04	2.35E-05	3.03E-06	lbs/MMcf
	4630	Turbine	Natural gas	20200203	SCR	53-70-3	Dibenz(a,h)anthracene	1.34E-04	2.35E-05	3.03E-06	lbs/MMcf

4631	Turbine	Natural gas	20200203	SCR/AI	53-70-3	Dibenz(a,h)anthracene	1.34E-04	2.35E-05	3.03E-06	lbs/MMcf
4634	Turbine	Natural gas	20200203	None	100-41-4	Ethylbenzene	5.70E-02	1.79E-02	9.74E-03	lbs/MMcf
4635	Turbine	Natural gas	20200203	SCR	100-41-4	Ethylbenzene	5.70E-02	1.79E-02	9.74E-03	lbs/MMcf
4636	Turbine	Natural gas	20200203	SCR/AI	100-41-4	Ethylbenzene	5.70E-02	1.79E-02	9.74E-03	lbs/MMcf
4639	Turbine	Natural gas	20200203	None	206-44-0	Fluoranthene	3.05E-04	4.32E-05	1.07E-05	lbs/MMcf
4640	Turbine	Natural gas	20200203	SCR	206-44-0	Fluoranthene	3.05E-04	4.32E-05	1.07E-05	lbs/MMcf
4641	Turbine	Natural gas	20200203	SCR/AI	206-44-0	Fluoranthene	3.05E-04	4.32E-05	1.07E-05	lbs/MMcf
4644	Turbine	Natural gas	20200203	None	86-73-7	Fluorene	4.58E-04	5.80E-05	1.56E-05	lbs/MMcf
4645	Turbine	Natural gas	20200203	SCR	86-73-7	Fluorene	4.58E-04	5.80E-05	1.56E-05	lbs/MMcf
4646	Turbine	Natural gas	20200203	SCR/AI	86-73-7	Fluorene	4.58E-04	5.80E-05	1.56E-05	lbs/MMcf
4640	Turbine	Natural gas	20100201	None	50-00-0	Formaldehyde	6.37E+00	4.04E+00	3.93E+00	lbs/MMcf
4641	Turbine	Natural gas	20200201	None	50-00-0	Formaldehyde	6.37E+00	4.04E+00	3.93E+00	lbs/MMcf
4649	Turbine	Natural gas	20200203	None	50-00-0	Formaldehyde	6.87E+00	9.17E-01	1.12E-01	lbs/MMcf
4650	Turbine	Natural gas	20200203	SCR	50-00-0	Formaldehyde	6.87E+00	9.17E-01	1.12E-01	lbs/MMcf
4651	Turbine	Natural gas	20200203	SCR/AI	50-00-0	Formaldehyde	6.87E+00	9.17E-01	1.12E-01	lbs/MMcf
4654	Turbine	Natural gas	20200203	None	110-54-3	Hexane	3.82E-01	2.59E-01	2.19E-01	lbs/MMcf
4655	Turbine	Natural gas	20200203	SCR	110-54-3	Hexane	3.82E-01	2.59E-01	2.19E-01	lbs/MMcf
4656	Turbine	Natural gas	20200203	SCR/AI	110-54-3	Hexane	3.82E-01	2.59E-01	2.19E-01	lbs/MMcf
4659	Turbine	Natural gas	20200203	None	193-39-5	Indeno(1,2,3-cd)pyrene	1.34E-04	2.35E-05	2.87E-06	lbs/MMcf
4660	Turbine	Natural gas	20200203	SCR	193-39-5	Indeno(1,2,3-cd)pyrene	1.34E-04	2.35E-05	2.87E-06	lbs/MMcf
4661	Turbine	Natural gas	20200203	SCR/AI	193-39-5	Indeno(1,2,3-cd)pyrene	1.34E-04	2.35E-05	2.87E-06	lbs/MMcf
4664	Turbine	Natural gas	20200203	None	91-20-3	Naphthalene	7.88E-03	1.66E-03	9.26E-04	lbs/MMcf
4665	Turbine	Natural gas	20200203	SCR	91-20-3	Naphthalene	7.88E-03	1.66E-03	9.26E-04	lbs/MMcf
4666	Turbine	Natural gas	20200203	SCR/AI	91-20-3	Naphthalene	7.88E-03	1.66E-03	9.26E-04	lbs/MMcf
4669	Turbine	Natural gas	20200203	None	198-55-0	Perylene	9.68E-07	7.00E-07	5.79E-07	lbs/MMcf
4670	Turbine	Natural gas	20200203	SCR	198-55-0	Perylene	9.68E-07	7.00E-07	5.79E-07	lbs/MMcf
4671	Turbine	Natural gas	20200203	SCR/AI	198-55-0	Perylene	9.68E-07	7.00E-07	5.79E-07	lbs/MMcf
4674	Turbine	Natural gas	20200203	None	85-01-8	Phenanthrene	2.35E-03	3.13E-04	8.57E-05	lbs/MMcf
4675	Turbine	Natural gas	20200203	SCR	85-01-8	Phenanthrene	2.35E-03	3.13E-04	8.57E-05	lbs/MMcf
4676	Turbine	Natural gas	20200203	SCR/AI	85-01-8	Phenanthrene	2.35E-03	3.13E-04	8.57E-05	lbs/MMcf
4679	Turbine	Natural gas	20200203	None	115-07-1	Propylene	2.00E+00	7.71E-01	5.71E-01	lbs/MMcf
4680	Turbine	Natural gas	20200203	SCR	115-07-1	Propylene	2.00E+00	7.71E-01	5.71E-01	lbs/MMcf
4681	Turbine	Natural gas	20200203	SCR/AI	115-07-1	Propylene	2.00E+00	7.71E-01	5.71E-01	lbs/MMcf
4684	Turbine	Natural gas	20200203	None	75-56-9	Propylene Oxide	5.87E-02	4.78E-02	4.48E-02	lbs/MMcf
4685	Turbine	Natural gas	20200203	SCR	75-56-9	Propylene Oxide	5.87E-02	4.78E-02	4.48E-02	lbs/MMcf
4686	Turbine	Natural gas	20200203	SCR/AI	75-56-9	Propylene Oxide	5.87E-02	4.78E-02	4.48E-02	lbs/MMcf
4689	Turbine	Natural gas	20200203	None	129-00-0	Pyrene	1.27E-04	2.77E-05	1.18E-05	lbs/MMcf
4690	Turbine	Natural gas	20200203	SCR	129-00-0	Pyrene	1.27E-04	2.77E-05	1.18E-05	lbs/MMcf
4691	Turbine	Natural gas	20200203	SCR/AI	129-00-0	Pyrene	1.27E-04	2.77E-05	1.18E-05	lbs/MMcf
4694	Turbine	Natural gas	20200203	None	108-88-3	Toluene	1.68E-01	7.10E-02	5.91E-02	lbs/MMcf
4695	Turbine	Natural gas	20200203	SCR	108-88-3	Toluene	1.68E-01	7.10E-02	5.91E-02	lbs/MMcf
4696	Turbine	Natural gas	20200203	SCR/AI	108-88-3	Toluene	1.68E-01	7.10E-02	5.91E-02	lbs/MMcf
4699	Turbine	Natural gas	20200203	None	1330-20-7	Xylene (m,p)	1.08E-01	4.89E-02	4.27E-02	lbs/MMcf
4700	Turbine	Natural gas	20200203	SCR	1330-20-7	Xylene (m,p)	1.08E-01	4.89E-02	4.27E-02	lbs/MMcf
4701	Turbine	Natural gas	20200203	SCR/AI	1330-20-7	Xylene (m,p)	1.08E-01	4.89E-02	4.27E-02	lbs/MMcf
4704	Turbine	Natural gas	20200203	None	95-47-6	Xylene (o)	4.88E-02	2.40E-02	2.15E-02	lbs/MMcf
4705	Turbine	Natural gas	20200203	SCR	95-47-6	Xylene (o)	4.88E-02	2.40E-02	2.15E-02	lbs/MMcf
4706	Turbine	Natural gas	20200203	SCR/AI	95-47-6	Xylene (o)	4.88E-02	2.40E-02	2.15E-02	lbs/MMcf
4709	Turbine	Natural gas	20200203	None	1330-20-7	Xylene (Total)	6.26E-02	2.61E-02	1.93E-02	lbs/MMcf
4710	Turbine	Natural gas	20200203	SCR	1330-20-7	Xylene (Total)	6.26E-02	2.61E-02	1.93E-02	lbs/MMcf
4711	Turbine	Natural gas	20200203	SCR/AI	1330-20-7	Xylene (Total)	6.26E-02	2.61E-02	1.93E-02	lbs/MMcf

System Type	System Type	Material Type	SCC	APC Device	CAS	Substance	Max Emission factor	Mean	Median	Unit
878	Boiler	Natural gas	10100601	None	75-07-0	Acetaldehyde	1.47E-02	8.87E-03	8.47E-03	lbs/MMcf
879	Boiler	Natural gas	10100601	None	100-52-7	Benzaldehyde	2.72E-02	1.64E-02	1.57E-02	lbs/MMcf
880	Boiler	Natural gas	10100601	None	71-43-2	Benzene	8.70E-03	4.31E-03	2.15E-03	lbs/MMcf
881	Boiler	Natural gas	10100601	None	50-00-0	Formaldehyde	6.72E-01	2.21E-01	6.96E-02	lbs/MMcf

