Solar Turbines

A Caterpillar Company

Solar Turbines Incorporated P.O. Box 85376. MZ T-2 San Diego, CA 92186-5376 U.S.A. http://www.solarturbines.com

November 11, 2020

Via Email

Mr. Nicholas Horres San Diego Air Pollution Control District 10124 Old Grove Road San Diego, CA 92131-2601

Subject: Title V Renewal Application

Facility: Solar Turbines Incorporated Kearny Mesa Facility (APCD I.D. No. 1869A) 4200 Ruffin Road, San Diego CA 92123 Title V Permit No. 960991

Dear Mr. Horres:

Please find attached the Title V renewal application for Solar Turbines Incorporated (Solar) Kearny Mesa facility and a check for the sum of \$8,354 (Eight thousand three hundred and fifty-four dollars). This application is being submitted to comply with the renewal requirements and terms in the current Title V permit in Section I.B.1.

This renewal application consists of the following information:

- General Facility information (Form 1401-A1)
- Stationary Source Summary (Form 1401-A2)
- Insignificant Activities List (Form 1401-G)
- Applicable Requirements Summary Check List (Form 1401-H1)
- List of Permits by Equipment Category (Form 1401-H2)
- Certification Statement (Form 1401-I)
- List of Abatement Devices (Form 1401-M)
- Outdates SIP Requirements (Form 1401-P)
- Request for Permit Shields (Form 1401-Q)

Other regulatory requirements that this facility is not subject to:

- Compliance Assurance Monitoring
- Compliance Plan and Applicable Requirements (Form 1401-K) This facility will continue to comply with existing applicable requirements in the Title V permit under the Title V permit shield until the new Title V permit is issued.

Please note that APCD Form 1401-H1 was developed by the APCD over 15 years ago and is significantly out of date. Specifically, there are numerous NESHAP requirements that have not been added; rules that have been rescinded (i.e. Rule 66) that should be deleted and new rules that need to be added (i.e. small and medium boilers). We have attempted to include these revisions on the attached Form 1401-H1. If we have missed an applicable requirement(s), Solar requests that the APCD inform Solar Turbines Incorporated and we will provide the APCD with an updated Form 1401-H1.

Lastly, as identified above, there are have been signification revisions in the APCD rules in the last 5+ years. Determining if the rules have been approved by EPA and included the State Implementation Plan (SIP) is difficult. We attempted to include all the outdated SIP rules on Form 1401-P to request streamlining of the requirements. If we have missed identifying any outdated SIP rules that should be streamlined, please inform Solar Turbines Incorporated and we will provide the APCD with an updated Form 1401-P.

If you have any questions or require additional information, please contact Lori Haase at (619) 544-5237 or myself at (858) 694-1879.

Sincerely,

Aleksandar Meyer

Aleksandar Meyer EHS Manager

Enclosures

Solar Turbines

A Caterpillar Company

CHECK NUMBER

500155

PAGE 1 OF 1

SUPPLIER NAME

SOLAR TURBINES INCORPORATED PO BOX 85376 SAN DIEGO, CA 92186-5376 1 OUR DEBIT MEMO 2 OUR CREDIT MEMO 3 FREIGHT DEDUCTED 4 TAX DEDUCTED S/C # 5 INVOICE ERROR 6 E.R.S. TYPE INVOICE 7 E.R.S. DEBIT MEMO SAN DIEGO COUNTY AIR POLLUTION CON 550001983

INV RECV'D TRANS PURCHASE ORDER INVOICE NUMBER DISCOUNT **GROSS AMOUNT** NET AMOUNT DATE 35771 APCD1976-SITE-OCT20 10-08-20 8,354.00 0.00 8,354.00 Atten APCD Check For KA Title U Permit TUP: APCD2006-TVP-960991 SITE ID: APCD1976- SITE-01130 TOTALS 8,354.00 0.00 8,354.00

DETACH BEFORE DEPOSITING

THIS CHECK IS VOID WITHOUT A WATERMARK - HOLD TO LIGHT TO VIEW - RUB HEAT SENSITIVE CHECKMARK TO SEE COLOR DISAPPEAR AND REAPPEAR **Check Number** SOLAR TURBINES INCORPORATED JPMORGAN CHASE BANK, N.A., 50-937 Solar Turbines PO BOX 85376 SYRACUSE, NY 213 SAN DIEGO, CA 92186-5376 500155 A Caterpillar Company DATE 10-26-20 Eight thousand three hundred fifty four and NO/100 PAY ONLY ****\$8,354.00

> PAY TO THE ORDER OF SAN DIEGO COUNTY AIR POLLUTION CONT ROL DISTRICT 10124 OLD GROVE RD SAN DIEGO, CA 92131 UNITED STATES

CHECK NOT VALID AFTER 90 DAYS

Poser EMAY

Agent Solar Turbines Incorporated SIGNATURE HAS A COLORED BACKGROUND . BORDER CONTAINS MICROPRINTING

#500155# #021309379#

601299142

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

		Company Name		District Use Only	
	Sol	lar Turbines Incorporated - Kearny Mesa Facility		NEDS #	
				SITE ID #	
I.	FА	CILITY IDENTIFICATION			
	1.	Facility Name (if different than company name): <u>k</u>	earny Mesa Facility		
	2.	Four digit SIC Code: <u>3511</u>	County Webu Fuelinty		
	2. 3.	Parent Company (if different than Company Name)): Caternillar Incornorate	4	
	<i>3</i> . 4.	Mailing Address: <u>PO Box 85376, MZ T-2</u>	. <u>Caterpinar meorporate</u>		
	т.		State CA	Zip <u>92186-5378</u>	
	5.	Street Address or Source Location: <u>4200 Ruffin Re</u>			
			State CA	Zip <u>92123</u>	
	6.	UTM Coordinates:			
	o. 7.	Source Located within 50 miles of a state line:	Yes No	(All sources <u>are</u> within 50 miles)	
	8.	Source Located within 1000 feet of a school:	\square Yes \square No	()	
	9.	Type of Organization:	Sole Ownership	Government	
		Partnership Utility Company	F		
1	0.	Legal Owner's Name: Solar Turbines Incorporated			
	1.	Owner's Agent name (if any):			
	2.	Responsible Official: Robert Abercrombie			
1	3.	Plant Site Manager/Contact: Aleks Meyer	Phone #: (858) 6	594-1879 FAX #:	
1	4.	Application Contact: Lori Haase (619)544-5237 lh			
1	5.	Type of Facility: <u>Manufacturing</u>	ē		
1	6.				
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IV. SUPPLEMENTAL ATTACHMENTS*: 1401 A1, A2, G, H1, H2, I, M, P, and Q

* Means all attachments to the complete application.

TITLE V APPLICATION Stationary Source Summary (FO	
Company Name	District Use Only
Solar Turbines Incorporated	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	
PM10	100	
SO ₂	100	
NOx	100	
СО	100	\square
ODC	100	
LEAD COMPOUNDS	10	
HAZARDOUS AIR POLLUTANTS		
SINGLE HAP	10	
COMBINATION HAP	25	

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 Emission Inventory

Inventory Year 2019

11 2020 Date

Signature of Responsible Official

Robert Abercrombie	
Print Name of Responsible Official	

Director, Packaging Systems Operations Title of Responsible Official

II. EMISSIONS CALCULATIONS ATTACHED (as needed)

No No

Telephone No. of Responsible Official

(858) 694-6772

Yes

DICTDICT	LICE	ONIT V
DISTRICT	USE	UNLI

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

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

Company Name

Solar Turbines Incorporated

Facility Address: 4200 Ruffin Road, San Diego, CA 92123

District Use Only

NEDS # SITE ID #

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)

	(Condensed Language of Rule)	Appendix A <u>Citation</u>
\boxtimes	Stationary & portable internal combustion engines with ≤ 50 bhp output rating	(d)(1)(iii)
	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)
	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)
\square	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)
\boxtimes	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)
\boxtimes	Steam boilers, process heaters, and steam generators with a maximum gross heat input of < 5 million Btu/hour	(d)(4)(iii)
	Crucible-type or pot-type furnaces with a brimful capacity of < 450 in ³ of any molten metal	(d)(12)
	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)
	Dry batch mixers with ≤ 0.5 cubic yards rated working capacity	(d)(27)
\boxtimes	Batch mixers (wet) with ≤ 1 cubic yard capacity where no organic solvents, diluents or thinners are used.	(d)(28)
\boxtimes	Roofing kettles (used to heat asphalt) with a capacity of ≤ 85 gallons	(d)(33)
\boxtimes	Abrasive blasting equipment with a manufacturer's-rated sand capacity of < 100 lbs or < 1 ft ³	(d)(34)
\boxtimes	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)
	Ovens having an internal volume of ≤ 27 ft ³ in which organic solvents or materials containing organic solvents are charged	(d)(59)
\boxtimes	Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks with a liquid surface area of ≤ 1.0 ft ²	(d)(61)(i)
\boxtimes	Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks which have a maximum capacity of ≤ 1 gallon	(d)(61)(ii)

SDAPCD - Rev. 6/05

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

Continued - Exemptions based on Size (Capacity)

	(Condensed Language of Rule)	Appendix A <u>Citation</u>
\boxtimes	Stationary organic compound storage tanks with a capacity of \leq 250 gallons	(e)(1)
	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)
\boxtimes	Liquid surface coating application operations using air brushes with a coating capacity of ≤ 2 ounces for the application of a stencil coating	(h)(6)
\boxtimes	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 ft ² and c) are not equipped with spray type flow or a means of solvent agitation	(o)(5)
	Bakery ovens used for baking yeast leavened products where the combined rated heat input capacity is < 2 million Btu/hr	(0)(37)
Exemp	tions based on Production Rates (Emission Limits)	
	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)
	Solder levelers, hydrosqueegees, wave solder machines, and drag solder machines which use < 10 lbs/day of any material containing VOCs	(d)(23)
\boxtimes	Fire extinguishing equipment, using halons with a charge of < 50 lbs. of a Class I or Class II ozone depleting compound.	(d)(31)

	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)
\boxtimes	Oil quenching tanks which use < 20 gal/yr of make-up oil	(d)(56)
	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)
	Powder coating operations, except metalizing gun operations, where surface preparation or cleaning solvent usage is < 0.5 gal/day	(d)(62)
	Equipment used to transfer fuel to & from amphibious ships for maintenance purposes, provided total annual transfers < 60,000 gal/yr.	(f)(2)
	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)
\square	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)
	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)
\square	Foam manufacturing or application operations which emit < 5 lbs/day of VOCs	(i)(1)
\square	Reinforced plastic fabrication operations using resins such as epoxy and/or polyester which emit < 5 lbs/day of VOCs	(i)(2)
\bowtie	Plastics manufacturing or fabrication operations which emit < 5 lbs/day of VOCs	(i)(3)
	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)

	Insignificant Activity List (FORM 1401-G)	
	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)
\boxtimes	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)
	Peptide and DNA synthesis operations which emit < 5 lbs/day of VOCs	(i)(7)
\boxtimes	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)
	Hot wire cutting of expanded polystyrene foam which emit < 5 lbs/day of VOCs.	(i)(9)
	Any coating and/or ink manufacturing operations located at a stationary source, which emit < 15 lbs/day of VOCs.	(o)(9)
	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)
\boxtimes	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)
	Atmospheric organic gas sterilizer cabinets where ethylene oxide emissions are < 5 lbs/yr	(o)(28)
\boxtimes	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)
\boxtimes	. 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)
\square	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.	(0)(33)
\boxtimes	Stationary IC engines rated at \leq 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)

Company Name	District Use Only
Solar Turbines Incorporated - Kearny Mesa Facility	NEDS #

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.**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2 Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors							Future Effective Date
				Fa	Abras	Paint	Paint Test C	Therma	Ā	IC F	Cont							
	Facility Applicable Requiren	nent Desc	ription		-							-	-	-		 	 -	
10(a)	Permits Required – (a) Authority to Construct			Х														
10(b)	Permits Required – (b) Permit to Operate			Х														
19	Provision of Sampling & Testing Facilities			х														
19.2	Continuous Emission Monitoring Requirements																	
19.3	Emission Information			Х														
NSR	New Source Review			Х														
PSD	Prevention of Significant Deterioration																	
21	Permit Conditions			Х														
50	Visible Emissions			Х														
51	Nuisance			Х														
60	Circumvention			Х														
67.0.1	Architectural Coatings	(g)		Х														

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2	Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors						Future Effective Date
67.17	Storage of Materials Containing VOC	(e)		х														
71	Abrasive Blasting			Х														
98	Breakdown Conditions: Emergency Variance (not in the SIP)			X														
101	Burning Control			Х														
131	Stationary Source Curtailment Plan			х														
132	Traffic Abatement Plan			Х														
	Equipment Specific Applicab	le Requir	rement Des	cript	tion													
50	Visible Emissions			Х	Х	Х	Х	Х	Х	Х	Х	Х						
51	Nuisance			Х	Х	Х	Х	Х	Х	Х	Х	Х						
52	Particulate Matter	Method 5		х	х	Х	Х					Х						
53	Specific Contaminants	Method 5						Х	Х	Х	Х	Х						
53.1	Scavenger Plants	<u> </u>																
54	Dust and Fumes	Method 5																
55	Fugitive Dust Control			Х								Х						
58	Incinerator Burning																	
59	Control of Waste Disposal – Site Emissions	(e)	(e) & (f)															
59.1	Municipal Solid Waste Landfills																	
60	Circumvention																	

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2	Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors						Future Effective Date
61.0	Definitions Pertaining to the Storage and Handling of Organic Compounds																	
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																	
61.4	Transfer of VOCs into Vehicle Fuel Tanks																	
61.4.1	Transfer of Gasoline from Stationary Underground Storage Tanks into Vehicle Fuel Tanks																	
61.5	Visible Emissions Standards for Vapor Control Systems		VE															
61.7	Spillage & Leakage of VOCs																	
61.8	Certification Requirements for Vapor Control Equip.																	
62	Sulfur Content of Fuels			Х		Х	Х	Х	Х	Х	Х	Х						

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2	Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors						Future Effective Date
64	Reduction of Animal Matter																	
66	Organic Solvents	(p)	(0)															
66.1	Misc. Surface Coating Operations & other Processes Emitting VOC (not in SIP)	(h)	(f)	X								Х						
67.1	Alternative Emission Control Plans (AECP)	(c)	(d)															
67.2	Dry Cleaning - Petroleum Solvent	(f)	(e)															
67.3	Metal Parts Coating	(g)	(f)			Х	Х											
67.4	Can & Coil Coating	(g)	(f)															
67.5	Paper, Film and Fabric Coating	(f)	(e)															
67.6	Solvent Cleaning Operation	(f)																
67.6.1	Cold Solvent Cleaning and Stripping Operations	(g)	(f)	х								Х						
67.6.2	Transfer of Gasoline from Stationary Underground Storage Tanks into Vehicle Fuel Tanks																	
67.7	Cutback & Emulsified Asphalt	(f)	(e)															
67.9	Aerospace Coating Operations	(g)	(f)															
67.10	Kelp Processing and Bio- Polymer Mfg.	(f)	(e)															

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2	Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors						Future Effective Date
67.11	Wood Products Coating			Х								Х						
67.12.1	Polyester Resin Operations	(g)	(f)															
67.15	Pharmaceutical & Cosmetic Manufacturing	(e)																
67.16	Graphic Arts Operations	(g)	(f)															
67.17	Open VOC Containers	(e)		Х		Х	Х	Х	Х	Х	Х	Х						
67.18	Marine Coating Operations	(g)	(f)															
67.19	Coating and Printing Inks Mfg. Operations	(g)	(f)															
67.20.1	Motor Vehicle & Mobile Equipment Coating Operations																	
67.21	Adhesive Material Application Operations			х								Х						
67.22	Expandable Polystyrene Foam Products Manufacturing Operations (not in SIP)																	
67.24	Bakery Ovens	(f)	(e)														 	
68	Fuel Burning Equipment - NOx																	
69	Electrical Generating Steam Boilers, Replacement Units and New Units																	
69.2	Industrial and Commercial Boilers, Process Heaters and Steam Generators	(f)	(e) & (g)							х								

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2	Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors						Future Effective Date
69.2.1	Small Boilers, Process Heaters and Steam Generators			х						x		Х						7/1/2021
69.2.2	Medium Boilers, Process Heaters and Steam Generators			Х						x		Х						7/1/2021
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)								х							
69.4.1	Stationary Internal Combustion Engines – BARCT (not in SIP)	(f)	(e)								x							
69.5.1	Natural Gas-Fired Water Heaters			X														
69.6	Natural Gas Fired Fan-Type Central Furnaces																	
70	Orchard Heaters																	
71	Abrasive Blasting			Х	Х							Х						
20.1	NSR - General Provisions					Х	х	X										
20.2	NSR – Non-major Stationary Sources						х	x										
20.3	NSR – Major Stationary Sources and Prevention of Significant Deterioration (PSD) Stationary Sources							х	х	х								

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2	Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors						Future Effective Date
20.4	NSR – Portable Emission Units			x								Х						
20.5	Power Plants (SIP Version 7/5/79)																	
20.6	Standards for Permit to Operate Air Quality Analysis																	
20.9	New Source Review - Major Stationary Sources and Provisions for Meeting the Federal Clean Air Act Requirements (5/17/94)																	
20.10	New Source Review - Portable Emission Units to be Located at Federal Major Stationary Sources (5/17/94)																	
Subpart	Regulation X - Standards of Performance for New Stationary Sources (NSPS)	Rule #	Rule #															
А	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															

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2	Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors						Future Effective Date
Db	Standards of Performance for Industrial-Commercial- Institutional Steam Generating	260.45 b 260.46 b	260.47b 260.48b 260.49b															
Е	Standards of Performance for Incinerators	260.54	260.53															
Ι	Standards of Performance for Asphalt Concrete Plants	260.93																
К	Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after June 11, 1973 and Prior to May 19, 1978		260.113															
Ka	Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after May 18, 1978	260.11 3a	260.115a															
Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984	260.11 3b	260.115b 260.116b															
L	Standards of Performance for Secondary Lead Smelters	260.12 3																

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2	Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors						Future Effective Date
М	Standards of Performance for Secondary Brass and Bronze Ingot Production Plants	260.13 3																
0	Standards of Performance for Sewage Treatment Plants	260.15 4	260.153															
DD	Standards of Performance for Grain Elevators	260.30 3																
EE	Standards of Performance for Surface Coating Metal Furniture	260.31 3 260.31	260.314 260.315															
GG	Standards of Performance for Stationary Gas Turbines	260.33 5	260.334															
QQ	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing	260.43 3 260.43 5	260.434															
RR	Standards of Performance for the Pressure Sensitive Tape and Label Surface Coating Operations	260.44 4 260.44 6	260.445 260.447															
SS	Standard of Performance for the Industrial Surface Coating Large Appliances	260.45 3 260.45 6	260.454 260.455															
TT	Standards of Performance for Metal Coil Surface Coating	260.46 3 260.46	260.464 260.465															
BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	260.54 3 260.54 7	260.544 260.545 260.546															

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2	Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors							Future Effective Date
FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing	260.58 3	260.584 260.585																
JJJ	Standards of Performance for Petroleum Dry Cleaners																		
SUBPART	New Source Performance	e Standa	rds (40 CF	R 60))		<u> </u>											<u> </u>	
Cb, F	Portland Cement Plants																		
Dc	Small Industrial - Commercial -Institutional Steam Generators >10 MM																		
Ea	Municipal Waste Combustors																		
G	Nitric Acid Plants																		
H & Cb	Sulfuric Acid Plants																		
Ν	Oxygen Process Furnaces																		
Na	Oxygen Process Steelmaking Facilities																		
Р	Primary Copper Smelters																		
Q	Primary Zinc Smelters																		
R	Primary Lead Smelters																		
S	Primary Aluminum Reduction Plants																		
T & U	Phosphate Fertilizer Industry																		
V,W,X	Phosphate Fertilizer Industry																		
Y	Coal Preparation Plants																		
Z	Ferroalloy Production Facilities																		

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2	Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors						Future Effective Date
AA, AAa	Steel Plants																	
BB	Kraft Pulp Mills																	
CC	Glass Manufacturing Plants																	
HH	Lime Manufacturing Plants																	
КК	Lead-Acid Battery Manufacturing Plants																	
LL	Metallic Mineral Processing																	
MM	Automobile and Light-Duty																	
NN	Phosphate Rock Plants																	
PP	Ammonium Sulfate Manufacture																	
UU	Asphalt Processing and Asphalt Roofing Manufacture																	
VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry.																	
WW	Beverage Can Surface Coating Industry																	
XX	Bulk Gasoline Terminals																	
AAA	New Residential Wood Heaters																	
DDD	VOC Emissions from the Polymer Mfg. Ind.																	
GGG	Equipment Leaks of VOC in Petroleum Refineries.																	
ННН	Synthetic Fiber Production Facilities																	

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2	Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors						Future Effective Date
KKK, LLL	Onshore Natural Gas Processing: VOC Equipment Leaks and SO ₂ Emissions.																	
NNN	VOC Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations.																	
000	Standard of Performance for Nonmetallic Mineral Processing Plants																	
PPP	Wool Fiberglass Insulation Mfg. Plants																	
QQQ	VOC Emissions from Petroleum Refinery Wastewater Systems.																	
RRR	VOC Emissions from the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes.																	
SSS	Magnetic Tape Coating Facilities																	
TTT	Industrial Surface Coating Surface, Surface Coating of Plastic Parts for Business Machines.																	
UUU	Calciners and Dryers in Mineral Industries.																	
VVV	Polymeric Coating of Supporting Substances Facilities.																	

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2	Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors							Future Effective Date
www	Standards of Performance for Municipal Solid Waste Facilities																		
IIII	Stationary Compression Ignition Internal Combustion Engines NSPS											х							
JJJJ	Stationary Spark Ignition Internal Combustion Engines NSPS																		
SUBPART	REGULATION XI - NATIO	NAL EMIS	SION STANI	DARD	S FO	r Haž	ZARD	ous A	AIR PO	OLLU	TANT	s (NES	HAPS)	1					
А	General Provisions					Х	Х												
C, D	Beryllium Extraction Plants; Ceramic Plants, Foundries, Incinerators, Propellant Plants, and Machine Shops that Process Beryllium Containing Material; and Rocket Motor Firing Test Sites.																		
Е	Mercury Ore Processing; Manufacturing Processes Using Mercury Chloralkali Cells; and Sludge Incinerators.																		
F	Ethylene Dichloride Mfg. Via Oxygen, HCI and Ethylene; Vinyl Chloride Mfg.; and Polyvinyl Chloride Mfg.																		

SUBPAR

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2	Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors						Future Effective Date
М	Asbestos Mills; Roadway Surfacing with Asbestos Tailings; Manufacture of Products Containing Asbestos; Demolition; Renovation; and Spraying and Disposal of Asbestos Waste.			х								X						
B,Q,R T,W	Underground Uranium Mines; Dept. of Energy Facilities; Phosphorus Fertilizer Plants; & Facilities Processing or Disposing of Uranium Ore & Tailings.																	
H,I,K	Dept. of Energy; Nuclear Regulatory Commis-sion Licensed Facilities; Other Federal Facilities; and Elemental Phosphorus Plants. (Radionuclide)																	
J,L,Y, BB,FF	Fugitive Process, Storage, and Transfer Equipment Leaks; Coke By-Product Recovery Plants; Benzene Storage Vessels; Benzene Transfer Operations; and Benzene Waste Operations.																	
N,O,P	Glass Manufacturer; Primary Copper Smelter; Arsenic Trioxide and Metallic Arsenic Production Facilities.																	

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2	Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors						Future Effective Date
v	Pumps, Compressors, Pressure Relief Devices, Connections, Valves, Lines, Flanges, Product Accumulator Vessels, etc. in VHAP Service.																	
SUBPART	MACT Standards (40 C	FR 63)																
А	General Provisions																	
F,G, H,I	Amendment: Reopening, Averaging Issue																	
L	Coke Ovens																	
Ν	Chromium Electropating and Anodizing	63.344	63.346, 63.347															
0	Ethylene Oxide Sterilizers																	
Q	Industrial Process Cooling Towers																	
R	Gasoline Distribution Facilities																	
Т	Halogenated Solvent Cleaning Degreasing																	
Х	Secondary Lead Smelters																	
Y	Marine Tank Loading/Unloading																	
CC	Petroleum Refineries																	
DD	Off-Site Waste and Recovery Operations																	
EE	Magnetic Tape																	
GG	Aerospace (Coatings)																	

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2	Test Cells/Pads	Thermal Oxidizes	Boiler	IC Engines	Contractors								Future Effective Date
II	Shipbuilding for Ship Repair (Surface Coating)																			
JJ	Wood Furniture Industry (Coatings)																			
KK	Printing and Publishing																			
AAAA	Municipal Solid Waste Landfills																			
DDDDD	Industrial, Commercial and Institutional Boilers and Process Heaters																			
MMMM	Surface Coating of Miscellaneous Metal Parts and Products					Х	х													
РРРР	Surface Coating of Plastic Parts																			
ZZZZ	Reciprocating Internal Combustion Engines										х	Х								
YYYY	Stationary Combustion Turbines																			
	40 CFR Part 64 Compliance Assurance Monitoring																			
	40 CFR Part 68 RMP			Х								Х								
	Title IV - Acid Rain (40 CFR 72)																			
	Title VI-Ozone Depletin	g Compo	unds (40 C	FR 8	82)			r	r –	1			1	1	1	 ,	<u> </u>	1	Т	1
А	Production and Consumption Controls																			
В	Servicing of Motor Vehicle Air Conditioners																			

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Abrasive Blast	Paint Spray 1	Paint Spray 2 Test Calls/Dade	1 Cat Culley 1 and	Thermal Oxidizes	Boiler	IC Engines	Contractors						Future Effective Date
F	Servicing of Other Air Conditioners			Х								Х						

California Airborne Toxic Control Measures (ATCM) 17 CCR

§93102	Hexavalent Chromium ATCM for Chrome Plating and Chromic Acid Anodizing Operations													
§93109	ATCM for Emissions of Perchloroethylene from Dry Cleaning Operations													
17 CCR 93115	ATCM for Stationary Compression Ignition Engines						х							
17 CCR 93116	ATCM for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater		X					х						

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

Company Name

District Use Only

Solar Turbines Incorporated - Kearny Mesa Facility

Facility Address: 4200 Ruffin Road, San Diego, CA 92123

NEDS #	
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
Abrasive Blasting	2006-PTO-007750	0
Paint Spray (1) Maintenance	2009-PTO-001582	N
Paint Spray (2) Small Booth	2006-PTO-003977	0
Paint Spray (2) North Booth	2006-PTO-978792	0
Paint Spray (2) South Booth	2006-PTO-050303	0
Test Cell #1	2008-PTO-004252	0
Test Cell #2	2008-PTO-004253	0
Test Cell #3	2008-PTO-004254	0
Test Cell #4	2008-PTO-004255	0
Test Cell #5	2008-PTO-004256	0
Test Cell #6	2008-PTO-004257	0
Test Cell #7	2008-PTO-004015	0
Test Cell #8	2008-PTO-03886	0
Test Cell #9	2008-PTO-004258	0
Test Cell #10	2008-PTO-004495	0
Test Cell #11	2008-PTO-004496	0
Test Cell #12	2008-PTO-004733	0
Test Cell #13	2008-PTO-020881	0

Page <u>1</u> of <u>3</u>

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

Company Name

District Use Only

Solar Turbines Incorporated - Kearny Mesa Facility

Facility Address: 4200 Ruffin Road, San Diego, CA 92123

NEDS #	
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
Test Cell #14	2008-PTO-020882	0
Test Cell #15	2008-PTO-020880	0
Test Cell #16	2008-PTO-020879	0
Test Cell #17	2008-PTO-020878	0
Test Cell #18	2008-PTO-020877	0
Test Cell #19	2008-PTO-020875	0
Test Cell #20	2013-PTO-001529	0
Test Cell #21	2008-PTO-975791	0
Test Cell #22	2008-PTO-975792	0
Test Cell #23B	2008-PTO-975793	0
Test Pad # 23A	2017-PTO-002876	0
Test Pad # 24	2017-PTO-002875	0
Test Pad # 25	2017-PTO-002877	0
Test Cell #30 (16-1, 2, 3)	2008-PTO-020876	0
Test Cell #16-4	2008-PTO-975790	0
Thermal Oxidizer (Dev Test)	2008-PTO-976905	0
Thermal Oxidizer (Prod Test)	2008-PTO-976913	0
Thermal Oxidizer (T250)	2016-PTO-002572	0
Boiler	2015-PTO-002260	0

Page <u>2</u> of <u>3</u>

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

Company Name

District Use Only

Solar Turbines Incorporated - Kearny Mesa Facility

Facility Address: 4200 Ruffin Road, San Diego, CA 92123

NEDS #	
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
IC Emergency Engine (Fire Pump)	2006-PTO-960542	0
IC Emergency Engine (Computer)	2006-PTO-961078	0
IC Emergency Engine (Maintenance)	2006-PTO-976907	0

Page <u>3</u> of <u>3</u>

TITLE V APPLICATION Certification Statement (FORM 1401-I)

Company Name	District Use Only	
Solar Turbines Incorporated - Kearny Mesa Facility Address: <u>4200 Ruffin Road, San Diego, CA</u> 92123	NEDS # SITE ID #	

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

Applicable	Not Applicable			
\square		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.		
\boxtimes		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.		
	\boxtimes	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.		
\square		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.		
\boxtimes		All fees required by Regulation III, Rule 40 have been paid.		
<u>Foliet H Alun</u> Signature of Responsible Official <u>11/9/2020</u> Date				
	Abercrombi			
Print Name	of Responsib	le Official Telepone No. of Responsible Official		

Director, Packaging Systems Operations
Title of Responsible Official

TITLE V APPLICATION Abatement Devices (FORM 1401-M)

Company Name

District Use Only

Solar Turbines Incorporated - Kearny Mesa Facility

NEDS # _____ SITE ID # _____

Facility Address: 4200 Ruffin Road, San Diego, CA 92123

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
1582	Booth with Filters	Painting/Coating Operations
3977	Booth with Filters	Painting/Coating Operations
50303	Booth with Filters	Painting/Coating Operations
978792	Booth with Filters	Painting/Coating Operations
7750	Cartridge Filters	Abrasive Blast Room

Page <u>1</u> of <u>1</u>

TITLE V APPLICATION Outdated SIP Requirement Streamlining (FORM 1401-P)			
Company Name District Use Only			
Solar Turbines Incorporated - Kearny Mesa Facility	NEDS #		
Facility Address: <u>4200 Ruffin Road, San Diego, CA</u> 92123	SITE ID #		

OUTDATED SIP REQUIREMENTS STREAMLINING

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

Application No(s) Permit No(s)	Outdated SIP Requirement (Date)	Current District Rule (Date)	District Identified (Check)	Permit Shield Proposed (Yes/No)	Attachment Number
960991	7/11/17	2	\square	yes	
960991	7/8/20	11		yes	
TBD	7/15/20	69.2.1		yes	
TBD	7/15/20	69.2.2		yes	
960542	7/8/20	69.4.1		yes	
961078	7/8/20	69.4.1		yes	
976907	7/8/20	69.4.1		yes	

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TITLE V APPLICATION Permit Shield (FORM 1401-Q)

Company Name

Solar Turbines Incorporated - Kearny Mesa Fac

District Use Only

Facility Address: 4200 Ruffin Road, San Diego, CA 92123

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
All	Any existing permit shield identified in the current permit	The APCD previous determination	

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