



P.O. Box 5489
Santa Maria, CA 93456
(805) 347-8700
Fax: (805) 357-2963

September 23, 2009

Mr. Jim Menno
Santa Barbara County
Air Pollution Control District
301 East Cook Street, Suite L
Santa Maria CA 93454

RECEIVED

SEP 26 2009

SBAPCD NORTH COUNTY

Re: South Cat Canyon Part 70 Renewal Application

Dear Mr. Menno:

Greka Oil & Gas, Inc. would like to submit the enclosed South Cat Canyon Part 70 renewal application. The Application Fee (\$335) is also enclosed.

If you have any questions, or require additional information, please contact me at (805) 357-2938.

Sincerely,

A handwritten signature in black ink, appearing to read "LN", with a long horizontal flourish extending to the right.

Laura Nuzzo
Environmental Engineer

Encl: Cat Canyon Part 70 Renewal Application
Application Fee – Check 019040

TOTAL STATIONARY SOURCE EMISSIONS (Form 1302-B)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Greka OIL & GAS, Inc.	SOURCE NAME: South Cat Canyon

I. TOTAL STATIONARY SOURCE EMISSIONS

Provide a brief description of operating scenario: Production wells and associated field equipment operate 24 hrs/day, 365 days/year unless otherwise noted.

POLLUTANT* (name)	EMISSIONS (tons per year)	PRE-MODIFICATION EMISSIONS (tons per year)	EMISSIONS CHANGE (tons per year)
NOx	263.95		
ROC	85.81		
SOx	26.22		
CO	221.56		
PM10	4.34		
	Backup CMLCS		

* Emissions for all pollutants for which the source is major and for all NSPS/MACT-regulated air pollutants must be reported. HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COATING / SOLVENT EMISSION UNIT (Form 1302-D1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Greka OIL & GAS, Inc.	SOURCE NAME: South Cat Canyon

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Solvent Use ATC/PTO Number: 8036, 8075, 8076, 8869, 10258, 10259, and 12261
2. Equipment description: Solvents used for maintenance and degreasing operations
3. Equipment make, model & serial number:
4. Maximum design process rate or throughput:
5. Control device(s) type and description (if any):
6. Description of coating/solvent application/drying method(s) employed including coating transfer
7. List and describe primary coating/solvent process equipment used:
 - Solvent - Parts washer, hand application with rags
 - Coatings – Tank and equipment painting applied by roller and spray cans

III. OPERATIONAL INFORMATION

1. Operating schedule: _24_ hours/day _8760_ hours/year
2. Coatings/solvents information:

COATING/ SOLVENT (name)	MANUFACTURER (name)	MAXIMUM USE (gal/day, gal/yr)	VAPOR PRESSURE (mm of Hg)	SOLIDS CONTENT (%)	VOC CONTENT (%)
Mineral Spirits	NETCHEM, INC.	120 gal/yr (10% of use for all Greka facilities)	1.670 mmHG @ 77F		100 %
Rust Preventive Primer	ICI Product Code 4141	50 gal/yr (10% of use for all Greka facilities)			340 grams/L
Rust Preventive Semi Gloss Enamel	ICI Product Code 4306	50 gal/yr (10% of use for all Greka facilities)			363 grams/L
Devflex Waterborne Semi-Gloss Enamel	ICI Product Code 4216	50 gal/yr (10% of use for all Greka facilities)			< 100 grams/L
Devchem Chemical Resistant Lining	ICI Product Code 253	100 gal/yr (10% of use for all Greka facilities)			213 grams/L

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.

COATING / SOLVENT EMISSION UNIT (Form 1302-D2)

APCD: Santa Barbara County Air Pollution Control District COMPANY NAME: Greka OIL & GAS, Inc.	> APCD USE ONLY < APCD IDS Processing ID: SOURCE NAME: South Cat Canyon
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3. Emissions for Emission Unit(s) described on page: 4 of 12

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.77				
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

¹ For permit revisions only; emissions prior to project modification.
² Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
³ For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.) required by any applicable federal requirement.
⁴ HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COMPLIANCE PLAN (Form 1302-I1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Greka OIL & GAS, Inc.	SOURCE NAME: South Cat Canyon

I. PROCEDURE FOR USING FORM 1302-I

☞ This form shall be submitted as part of the SBCAPCD's Regulation XIII Application. The Responsible Official shall identify the applicable federal requirement(s) to which the source is subject. In the Compliance Plan (Form 1302-I), a Responsible Official shall identify whether the source identified in the SBCAPCD's Regulation XIII Application currently operates in compliance with all applicable federal requirements.

II. APPLICABLE FEDERAL REQUIREMENTS

Applicable Federal Requirement ¹	Affected Emission Unit	In compliance? (yes/no/exempt ³)	Effective Date ⁴
Regulatory Reference ²	Regulation Title ²		
40 CFR 63 Subpart HH	Glycol dehydration unit (3211-03) Storage tanks	Exempt	2/2010
40 CFR 64 Subchapter. C	ICE Caterpillar G342 (3831-002)	Exempt	2/2010
40 CFR 60	South Cat Canyon	yes	2/2010
101	South Cat Canyon	yes	2/2010
102	South Cat Canyon	yes	2/2010
103	South Cat Canyon	yes	2/2010
105	South Cat Canyon	yes	2/2010
201	South Cat Canyon	yes	2/2010
202	South Cat Canyon	yes	2/2010
203	South Cat Canyon	yes	2/2010
204	South Cat Canyon	yes	2/2010
205	South Cat Canyon	yes	2/2010
206	South Cat Canyon	yes	2/2010
207	South Cat Canyon	yes	2/2010
208	South Cat Canyon	yes	2/2010
209	South Cat Canyon	yes	2/2010
301	South Cat Canyon	yes	2/2010
302	Combustion Units	yes	2/2010

Applicable Federal Requirement ¹		Affected Emission Unit	In compliance?	Effective
303	Nuisance	South Cat Canyon	yes	2/2010
304	Particulate Matter Northern Zone	Combustion Units	yes	2/2010
306	Dust and Fumes Northern Zone	South Cat Canyon	yes	2/2010
309	Specific Contaminants	South Cat Canyon	yes	2/2010
311	Sulfur Content of Fuels	Combustion Units	yes	2/2010
317	Organic Solvents	Maintenance/Wipe Cleaning	yes	2/2010
321	Solvent Cleaning Operations	Maintenance/Wipe Cleaning	yes	2/2010
322	Metal Surface Coating Thinner and Reducer	Maintenance Operations	yes	2/2010
323	Architectural Coatings	Maintenance Operations	yes	2/2010
324	Disposal and Evaporation of Solvents	Maintenance/Wipe Cleaning	yes	2/2010
325	Crude Oil Production and Separation	Storage Tanks	yes	2/2010
326	Storage of ROC Liquids	Storage Tanks	yes	2/2010
331	Fugitive Emissions Inspection and Maintenance	Fugitive Emissions components	yes	2/2010
333	Control of Emissions from Reciprocating Internal Combustion Engines	Engines with rated brake horsepower of 50 or greater, including de-rated engines.	yes	2/2010
342	Control of Oxides of Nitrogen (NOx) from Boilers, Steam Generators and Process Heaters	Boilers, Steam Generators and Process Heaters with rated heat input greater than or equal to 5 million BTU per hour.	yes	2/2010
343	Petroleum Storage Tank Degassing	Storage Tanks	Exempt, VP < 2.6 psia	2/2010
344	Petroleum Sumps, Pits and Well Cellars	Sumps, Pits and Well Cellars	yes	2/2010
346	Loading of Organic Liquid Cargo Vessels	Loading Racks / Cargo Vessel	yes	2/2010
353	Adhesives and Sealants	Maintenance Operations	yes	2/2010
360	Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers	New Boilers, Steam Generators and Process Heaters with rated heat input greater than or equal to 0.75 up to and including 2 million BTU per hour.	yes	2/2010
361	Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers	New Boilers, Steam Generators and Process Heaters with rated heat input greater than 2 million BTU per hour and less than 5 million BTU per hour.	yes	2/2010
505	Breakdown Conditions	South Cat Canyon	yes	2/2010
513	Evidence	South Cat Canyon	yes	2/2010
517	Decision	South Cat Canyon	yes	2/2010

Applicable Federal Requirement ¹	Affected Emission Unit	In compliance?	Effective
¹ Review APCD SIP Rules, NSPS, NESHAPS, and MACTs [*]			
² Regulatory Reference is the abbreviated citation (e.g. 40 CFR 60 Subpart OOO, APCD Rule 325.H) and Title is the prosaic title (e.g. NSPS Standards of Performance for Nonmetallic Mineral Processing Plants, Crude Oil Production and Separation, Inspection)			
³ If exempt from applicable federal requirement, include explanation for exemption.			
⁴ Indicate the date during the permit term that the applicable federal requirement will become effective for the emission unit.			

Other Applicable Federal Requirements ⁵	Affected Emission Unit	In compliance?	Effective Date
Source testing ppm limit: NOx, 36; CO, 299; ROC, 24.	ICE Caterpillar G342 (3831-002)	yes	2/2010

⁵ All environmentally significant permit conditions -- such as emission, operation, and throughput limitations or compliance monitoring conditions associated with such limitations -- listed in all authority to construct (ATC) permits issued to the Part 70 source are also applicable requirements.

*** If more than one page is used, please ensure that "Santa Barbara APCD", stationary source name and "Form 1302-11" appear on each page. ***

COMPLIANCE PLAN (Form 1302-I2)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Greka OIL & GAS, Inc.	SOURCE NAME: South Cat Canyon

III. COMPLIANCE CERTIFICATION

Under penalty of perjury, I certify the following:

- ✓ **Based on information and belief formed after reasonable inquiry, the source identified in this application will continue to comply with the applicable federal requirement(s) with which the source is in compliance identified in form 1302-I1;**
- ✓ **Based on information and belief formed after reasonable inquiry, the source identified in this application will comply with the future-effective applicable federal requirement(s) identified in form 1302-I1, on a timely basis¹ ;**
- Based on information and belief formed after reasonable inquiry, the source identified in this application is not in compliance with the applicable federal requirement(s), identified in form 1302-I1, and I have attached a compliance plan schedule.²**

Greka Oil & Gas, Inc.
By: [Signature], SVP + GC 9-23-09.

 Signature of Responsible Official Date

1. Unless a more detailed schedule is expressly required by the applicable federal requirement.
2. At the time of expected permit issuance, if the source expects to be out of compliance with an applicable federal requirement, the applicant is required to provide a compliance schedule with this application, with the following exception. A source which is operating under a variance that is effective for less than 90 days need not submit a Compliance Schedule. For sources operating under a variance, which is in effect for more than 90 days, the Compliance Schedule is the schedule that was approved as part of the variance granted by the hearing board.

The compliance schedule shall contain a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with this applicable federal requirement. For sources operating under a variance, the compliance schedule is part of the variance granted by the hearing board. The compliance schedule shall resemble, and be at least as stringent as that contained in any judicial consent decree or administrative order to which the source is subject. For sources not operating under a variance, consult the Air Pollution Control Officer regarding procedures for obtaining a compliance schedule.

CERTIFICATION STATEMENT (Form 1302-M)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS PROCESSING ID:
COMPANY NAME: Greka OIL & GAS, Inc.	SOURCE NAME: South Cat Canyon

Identify, by checking off below, the forms and attachments that are part of your application. If the application contains forms or attachments that are not identified below, please identify these attachments in the blank space provided below. Review the instructions if you are unsure of the forms and attachments that need to be included in a complete application.

Forms included with application

- Stationary Source Summary Form
- Total Stationary Source Emissions
- Compliance Plan Form
- Compliance Plan Certification Form
- Exempt Equipment Form
- Certification Statement Form

List other forms or attachments

_____ see next page _____

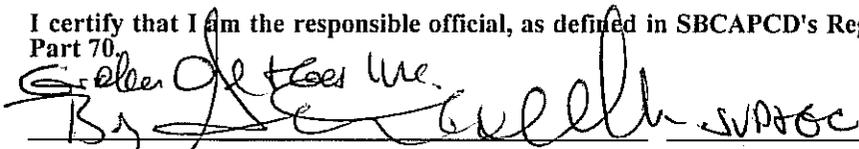
check here if additional forms listed on back

Attachments included with application

- Description of Operating Scenarios
- Sample emission calculations
- Fugitive emission estimates
- List of Applicable requirements
- Discussion of units out of compliance with applicable federal requirements and, if required, submit a schedule of Compliance
- Facility schematic showing emission points
- NSR Permit
- PSD Permit
- Compliance Assurance monitoring protocols
- Risk management verification per 112(r)

I certify under penalty of law, based on information and belief formed after reasonable inquiry, that the information contained in this application, composed of the forms and attachments identified above, are true, accurate, and complete.

I certify that I am the responsible official, as defined in SBCAPCD's Regulation XIII, Rule 1301 or USEPA's 40 CFR Part 70.


9-23-09

Signature of Responsible Official: _____ Date: _____

Print Name of Responsible Official: Susan Whalen

Title of Responsible Official and Company Name: Senior Vice President – General Counsel, Greka Oil & Gas, Inc.