VENTURA COUNTY
AIR POLLUTION CONTROL DISTRICT

669 County Square Drive
Ventura, CA 93003
805/645-1400

PART 70 PERMIT

Number 01491

Permit Term: July 2, 2013 to March 31, 2018

Company Name / Address:
DCOR, LLC
290 Maple Court, Suite 290
Ventura, CA 93003

Facility Name / Address:
Platform Gina
OCS Lease 0202 / Pt. Hueneme Field
Offshore of Ventura, CA

Responsible Officials:
Ms. Tina Wiegman
ES & RC Manager
805/535-2073

Mr. Bob Garcia
V.P. California Offshore Operations
805/535-2030

Title V Contact:
Ms. Christine White
Air Quality Coordinator
805/535-2074

The Part 70 permit consists of this page and the tables, attachments and conditions listed in the attached table of contents. The Part 70 permit application is included for reference only and is not a part of the Part 70 permit.

Pursuant to Rule 33.1, the Part 70 permit shall also serve as a permit to operate issued to fulfill the requirements of Rule 10.B.

Terri Thomas
Engineering Division

For:

Michael Villegas
Air Pollution Control Officer

July 2, 2013

PART 70 PERMIT NO. 01491
TABLE OF CONTENTS

1. Permit Cover Sheet

    a. Permit Revisions Table
    b. Permit Summary and Statement of Basis
    c. Periodic Monitoring Summary

2. Permitted Equipment and Applicable Requirements Table

3. Permitted Throughput and Consumption Limit Table

4. Permitted Emissions Table

5. Oil Well List

6. Exempt Equipment List

7. Specific Applicable Requirements (Attachments)

    a. Rule 71.1, Crude Oil Production and Separation (71.1N1, 71.1N6)
    b. Rule 71.4, Petroleum Sumps, Pits, Ponds and Well Cellars (71.4N1)
    c. Rule 74.9, Stationary Internal Combustion Engines (74.9N9)
    d. California Airborne Toxic Control Measure (ATCM) For Stationary Compression Ignition Engines (ATCM Engine N3)
    e. 40 CFR Part 63, Subpart ZZZZ, NESHAPS for Stationary Reciprocating Internal Combustion Engines (RICE MACT) (40CFR63ZZZZN3, 40CFR63ZZZZN5)

8. Permit Specific Conditions (Attachments)

    a. General Recordkeeping Requirements (PO1491PC1)
    b. Maximum Number of Oil Wells (PO1491PC1)
    c. BACT Wells (PO1491PC1)
    d. Maximum Sulfur Content of Diesel Fuel (PO1491PC1)
    e. Crew Boat and Work Boat Usage Limitation (PO1491PC1)
    f. Crew Boats Shall Not Be Used Simultaneously (PO1491PC1)
    g. Work Boats Shall Not Be Used Simultaneously (PO1491PC1)
    h. Boom Boat Limitations (PO1491PC1)
    i. Solvent Wipe Cleaning Additional Requirements (PO1491PC1)
    j. Flare Additional Requirements (PO1491PC2)
    k. Backup Utility Generator (PO1491PC3)

9. General Applicable Requirements (Attachments)

    a. Rule 50, Opacity (50)
    b. Rule 54.B.1, Sulfur Compounds - SO_x at Point of Discharge (54.B.1-OCS)
    c. Rule 54.B.2, Sulfur Compounds - SO_x at or Beyond Property Line (54.B.2-OCS)
    d. Rule 57.1, Particulate Matter Emissions From Fuel Burning Equipment (57.1)
    e. Rule 64.B.1, Sulfur Content of Fuels - Gaseous Fuels (64.B.1)
    f. Rule 64.B.2, Sulfur Content of Fuels - Solid or Liquid Fuels (64.B.2)
    g. Rule 71.1.C, Crude Oil Production and Separation - Produced Gas (71.1.C)
    h. Rule 71.4.B.1, First Stage Sump Prohibition (71.4.B.1)
    i. Rule 71.4.B.3, Well Cellar Storage Prohibition (71.4.B.3)
    j. Rule 74.6, Surface Cleaning and Degreasing (74.6)
    k. Rule 74.10, Fugitive Emissions - Oilfields (74.10)
    l. Rule 74.11.1, Large Water Heaters and Small Boilers (74.11.1)
    m. Rule 74.22, Natural Gas-Fired, Fan-Type Central Furnaces (74.22)

10. General Requirements for Short-Term Activities (Attachments)

    a. Rule 74.1, Abrasive Blasting (74.1)
    b. Rule 74.2, Architectural Coatings (74.2)
    c. Rule 74.16, Oilfield Drilling Operations (74.16)
    d. 40 CFR Part 61 Subpart M - Asbestos NESHAP (40CFR61.M)

11. General Permit Conditions

    a. Part 70 Permit General Conditions (Part 70 General)
    b. Permit to Operate General Conditions (PO General)

12. Miscellaneous Federal Program Conditions

    a. 40 CFR Part 55 - Outer Continental Shelf Air Regulations (40CFR55)
    b. 40 CFR Part 68 - Accidental Release Prevention and Risk Management Plans (40CFR68)
    c. 40 CFR Part 82 - Protection of Stratospheric Ozone (40CFR82)
    d. 40 CFR Part 60, Subpart OOOO, Standards of Performance (NSPS) for Crude Oil and Natural Gas Production, Transmission, and Distribution (40CFR60OOOO)

13. Part 70 Permit Application Package

    Note: The Part 70 permit application is included for reference only and is not a part of the Part 70 permit.

1.a. PERMIT REVISONS TABLE

Application No.	Issue Date	Description / Category	Revised Permit Sections
01491-171	04/08/2003	Initial Part 70 Permit Application /Significant Part 70 Permit Action	Initial Permit
01491-181	06/09/2003	Administrative Amendment to change the Title V Contact	• Signature Cover Page • Permit Revisions Table
01491-191	01/29/04	Administrative Amendment to change the Title V Contact	• Signature Cover Page • Permit Revisions Table
01491-201	06/28/04	Administrative Amendment to change Responsible Official and Title V Contact	• Signature Cover Page • Permit Revisions Table
01491-211	09/09/04	Administrative Amendment to change the Company Name	• Signature Cover Page • Permit Revisions Table • Attachment PO01491PC1
01491-221	02/15/05	Administrative Amendment to change the Company Name (Transfer of Ownership)	• Signature Cover Page • Permit Revisions Table
01491-231	10/09/06	Administrative Amendment to change the company name and company address	• Signature Cover Page • Permit Revisions Table
01491-241	08/14/07	Additional crew boats engines Addition of Boom Boat/gasoline engines Minor Part 70 Permit Modification	• Signature Cover Page • Permit Revisions Table • Table No. 2 • Table No. 3 • Table No. 4 • Attachment PO1491PC1
01491-251	02/04/08	Additional work boat with 5 engines Minor part 70 permit Modification	• Signature Cover Page • Permit Revisions Table • Table No. 2 • Table No. 3 • Table No. 4 • Attachment PO1491PC1
01491-261	04/29/08	Permit Reissuance for Term April 29, 2008 to March 31, 2013	See "Permit Summary and Statement of Basis"

Application No.	Issue Date	Description / Category	Revised Permit Sections
01491-271	01/27/09	Add one oil well – Minor Part 70 Permit Modification	• Signature Cover Page • Permit Revisions Table • Table No. 2 • Table No. 3 • Table No. 4 • Oil Well List • Attachment PO1491PC1
01491-281	01/26/10	Additional two (2) Crew Boats with 9 engines Additional Six (6) Work Boats with 32 engines	• Signature Cover Page • Permit Revisions Table • Table No. 2 • Table No. 3 • Table No. 4 • Attachment PO1491PC1
01491-291	01/10/11	Administrative Amendment to change Responsible Official	• Signature Cover Page • Permit Revisions Table
01491-301	10/05/12	Administrative Amendment to add a Responsible Official	• Signature Cover Page • Permit Revisions Table
01491-311	07/02/13	Permit Reissuance for Five Year Term Ending March 31, 2018	See "Permit Summary and Statement of Basis"

M:\TITLEV\TV Permits\PO1491\Permit III\RevisionsTable-311.doc

1.b. PERMIT SUMMARY AND STATEMENT OF BASIS

Stationary Source Description

This stationary source is an oil platform, Platform Gina, located offshore of Ventura, California. The source is a crude oil production facility and has a Standard Industrial Classification (SIC) Code of 1311, Crude Oil Production. The source operates various oil production and processing equipment, including wells, tanks, wipe cleaning, a flare, and two diesel engines. The diesel engines on Platform Gina are used for the operation of a crane and for backup electrical power. The platform is powered by grid electricity via an undersea cable. This stationary source is subject to the Part 70 permit program based upon the potential to emit nitrogen oxides (NOx).

As discussed in more detail throughout this Permit Summary and Statement of Basis, this permit applies to emissions units that are required to have a permit to operate pursuant to District Rule 10, "Permits Required," and District Rule 23, "Exemptions from Permit". These emissions units are listed in Table No. 2 in Section No. 2 of this permit. However, as discussed below, some equipment that is exempt from permit pursuant to District Rule 23, "Exemptions from Permit", may be subject to District rules such as District Rule 50, "Opacity". This includes "Insignificant Activities" as listed in Section No. 6 of the permit. In addition, "Short Term Activities" as listed in Section No. 10 of the permit are subject to certain rules and regulations. This permit does not shield the permittee from complying with any Federal, State, or District rule or regulation that is not specifically addressed in the permit or any rule or regulation that may come into effect during the term of the permit.

Stationary Source Emissions

In Ventura County, the Part 70 permit thresholds are 50 tons per year for ROC and NOx and 100 tons per year for PM, SOx, and CO as Ventura County has a "Serious" Nonattainment Classification with the federal ozone standard. The permitted emissions of criteria pollutants (ROC, NOx, PM, SOx, and CO) for this stationary source are documented in Table No. 4 of this permit. District Rule 29, "Conditions on Permits", requires permitted emissions to be included on each Permit to Operate. District Rule 29 requires that annual permitted emissions be based on a 12 calendar month rolling period and be expressed in units of tons per year. Hourly permitted emissions are required to be expressed in units of pounds per hour. Permitted emissions for a stationary source are required to be determined by aggregating the permitted emissions for each emissions unit at the stationary source.

Criteria pollutant emissions (ROC, NOx, PM, SOx, and CO) result from the combustion of diesel fuel and produced gas in the engines and flares. Criteria pollutants are also emitted from the diesel and gasoline engines associated with the crew boats, work boats, and boom boats. Reactive Organic Compound (ROC) emissions result from the storage, handling, and loading of crude oil.

This stationary source is not a major source of federal Hazardous Air Pollutants (HAPs). The source is below the HAP major source levels of 10 tons per year of a single HAP or 25 tons per

year of combined HAPs. As discussed below, there are some area source (non-major) Maximum Achievable Control Technology (MACT) standards that apply to the stationary source. The Part 70 Permit re-issuance application includes a summary of HAPs emissions (in the units of pounds per year). The purpose of the Air Toxics "Hot Spots" Information and Assessment Act of 1987 (California Health and Safety Code Section 44300) is to collect air toxics emission data, to identify facilities having localized adverse health impacts, to ascertain health risks, to notify nearby workers and residents of significant risks, and to reduce significant risks if they exist. Platform Gina has not been subject to the State of California AB2588 Air Toxics "Hot Spot" Program because of its remote location.

The United States EPA has added greenhouse gases (GHGs) to the list of regulated air pollutants. As of January 2, 2011, EPA has required that GHGs be calculated for each Title V stationary source and included in the Part 70 Permit. EPA has "tailored" the regulations to include GHGs, such that the Title V applicability for the stationary source based on GHGs alone is emissions of 100,000 tons per year of CO_2 equivalent emissions (CO_{2e}). Greenhouse gases are defined as the aggregate group of six greenhouse gases: carbon dioxide, nitrous oxide, methane, hydrofluorocarbons (by category), perfluorocarbons (by category), and sulfur hexafluoride. CO_{2e} is the amount of greenhouse gases emitted relative to the global warming potential of each pollutant. The CO_{2e} potential to emit for this stationary source has been calculated to be 2,063 tons per year. This potential to emit is based on the permitted annual combustion and operational (hours per year) limits listed in Table No. 3 of the permit. The District has used emission factors of 10.14 kg CO_{2e}/gallon diesel (22.33 lb CO_{2e}/gallon diesel) and 53.02 kg CO_{2e}/MMBTU natural gas (116.78 lb CO_{2e}/MMBTU natural gas) from the *Regulation For The Mandatory Reporting of Greenhouse Gas Emissions*, California Code of Regulations, title 17, Subchapter 10, Article 2, sections 95100 to 95133; Appendix A, Table 4. This CO2e potential to emit does not include insignificant activities or equipment exempt from permit pursuant to Rule 23, "Exemptions From Permit".

Compliance History

Upon reissuance of this Part 70 permit, the facility was determined to be in compliance with all applicable requirements. The facility is currently in compliance with the Part 70 Permit as reissued. The permit includes requirements for the RICE MACT (40 CFR Part 63 Subpart ZZZZ) which has a future effective date of May 3, 2013. For the time period January 1, 1996 to April 19, 2013, the facility received two (2) Notices of Violation (NOV) as detailed in the "NOV by Facility" history for Facility No. 01491 located at the end of this section of the Part 70 permit. For the time period January 1, 1996 to April 29, 2013, the facility received zero (0) Notices to Comply (NTC).

Equipment Description and Applicable Requirements - General

Applicable requirements for this stationary source are listed throughout the permit. The Table of Contents in the front of the permit summarizes the applicable requirements including the equipment specific requirements, the general applicable requirements, and the applicable requirements for short-term activities. Table No. 2 in Section No. 2 of this Permit to Operate details the applicable requirements for specific emissions units at the facility. Permit conditions

that enforce these requirements are listed in Section No. 7, "Specific Applicable Requirements" and Section No. 8, "Permit Specific Conditions" of this permit.

In addition to the emission unit specific requirements in Section No. 7 and Section No. 8, there are additional general requirements that may apply to the emissions units listed in this table, or to the stationary source as a whole. Furthermore, some general requirements may apply to emissions units or short-term activities not required to be specifically listed on the permit. These general requirements are contained in the following sections of the Permit: Section No. 9, "General Applicable Requirements"; Section No. 10, "General Requirements for Short-Term Activities"; Section No. 11, "General Permit Conditions"; and Section No. 12, "Miscellaneous Federal Program Conditions". A detailed applicability discussion and additional legal basis for the permit condition(s) is included with each attachment or set of permit conditions.

Equipment Description and Applicable Requirements - Specific

The tanks at this facility are subject to Rule 71.1, "Crude Oil Production and Separation". The tanks are equipped with vapor recovery for Rule 71.1 compliance. The permitted pit is equipped with a cover in order to comply with Rule 71.4, "Petroleum Sumps, Pits, Ponds, and Well Cellars".

Rule 74.9, "Stationary Internal Combustion Engines", exempts diesel engines used to power cranes from the provisions of the rule. The backup diesel engine is exempt from Rule 74.9 because it is operated less than 200 hours per year and/or operated during an emergency. Other emergency diesel engines that are exempt from permit pursuant to Rule 23.D.7 are exempt from Rule 74.9 because they are only operated during an emergency. Therefore, both the permitted and exempt diesel engines on the platform are not required to meet the emission limits of Rule 74.9.

The diesel engines are subject to the California Airborne Toxic Control Measure (ATCM) For Stationary Compression Ignition Engines; however, the ATCM exempt engines operated on OCS Platforms from the emission standards of the ATCM. The engines are required to comply with the fuel and the recordkeeping requirements of the ATCM.

The diesel engines on the platform are required to comply with the "National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE MACT). The 325 HP Crane engine is subject to a carbon monoxide (CO) limit and the 450 HP emergency engine is subject to operational requirements. The effective date of the RICE MACT is May 3, 2013.

This stationary source is subject to the fugitive leak and inspection requirements of Rule 74.10, "Components at Crude Oil and Natural Gas Production and Processing Facilities".

The stationary source is subject to 40 CFR Part 60, Subpart OOOO, "Standards of Performance (NSPS) for Crude Oil and Natural Gas Production, Transmission, and Distribution." The NSPS applies to all applicable well completions, pneumatic controllers, equipment leaks from natural

gas processing plants, reciprocating compressors, centrifugal compressors and storage vessels which are constructed, modified, or reconstructed after August 23, 2011. Applicable completions include the hydraulic fracturing of onshore gas wells; however, the NSPS does not apply to gas wells located on offshore oil platforms.

The oil platform is located in the Outer Continental Shelf; and therefore, is subject to 40 CFR Part 55, "Outer Continental Shelf Air Regulations". 40 CFR Part 55 includes the District rules by reference, thereby making them federally enforceable. The versions of the rules referenced in 40 CFR Part 55 are included in the rule attachments of this permit if an OCS version is not the most recent version of a rule or not the otherwise federally enforceable version of a rule. 40 CFR Part 55 does not provide the authority to control the emissions from the vessels that service the platform, but does require that the vessel emissions be included in the permitted emissions for the OCS source. Therefore the engines on the work boats and crew boats servicing the platform and the permitted emissions for the engines are included in the Part 70 permit.

This stationary source has stated that 40 CFR Part 68, "Chemical Accident Prevention Provisions", is not an applicable requirement. Therefore, a federal Risk Management Plan, pursuant to section 112(r) of the federal Clean Air Act as amended, is not required.

This stationary source does not have any emission units subject to 40 CFR Part 64, "Compliance Assurance Monitoring".

Permit Revisions Summary

The Permit Revisions Table (located in Section No. 1 of the permit) is a list of all permit revisions since Part 70 Permit No. 01491 was initially issued on April 8, 2003. A portion of the permit revisions are described in further detail below. The District's Engineering Analysis for each application can also be consulted for further details.

Application No. 01491-261: Application No. 01491-261 is for the reissuance of Part 70 Permit No. 01491 for the period that terminates on March 31, 2013. The following items summarize the changes due to this reissuance application:

- The wipecleaning operation has been removed from the permit due to changes in Rule 23, "Exemptions From Permit". There is a reduction in the permitted emissions as a result of removing the wipecleaning operation from the permitted emissions table. Rule 74.6, "Surface Cleaning and Degreasing", will remain part of the permit in the "General Requirements" section.
- Revisions have been made to the Insignificant Activities Table.
- Revisions have been made to Attachment 74.16, "Oilfield Drilling Operations on Platform Gina".
- A permit condition Attachment for the California Airborne Toxic Control Measure (ATCM) For Stationary Compression Ignition Engines has been added to the permit.

- The following District rules have been revised and/or revisions of the rule have been adopted into the State Implementation Plan (SIP) since the April 1, 2003 to March 31, 2008 permit issuance:
  a) Rule 23, "Exemptions From Permit"
  b) Rule 50, "Opacity"
  c) Rule 52, "Particulate Matter – Concentration (Grain Loading)"
  d) Rule 57.1, "Particulate Matter Emissions From Fuel Burning Equipment"
  e) Rule 68, "Carbon Monoxide"
  f) Rule 74.6, "Surface Cleaning and Degreasing"
  g) Rule 74.9, "Stationary Internal Combustion Engines"
  h) Rule 74.2, "Architectural Coatings"
  i) California Airborne Toxic Control Measure (ATCM) For Stationary Compression Ignition Engines

Application No. 01491-311: Application No. 01491-311 is for the reissuance of Part 70 Permit No. 01491 for the period that terminates on March 31, 2018. The following items summarize the changes due to this reissuance application:

- Four work boats have been removed from the permit, resulting in a reduction in pounds per hour permitted emissions.
- A discussion of Greenhouse Gases (GHGs) has been included in the Permit Summary and Statement of Basis.
- Permit Attachments have been added to the permit for the "National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE MACT).
- Permit condition language has been revised in Attachment PO01491PC2 to account for the changes to the flare permit exemption (Rule 23.A.4)
- Clarification has been added to Attachment PO01491PC3 regarding the definition of "emergency engine" in the RICE MACT verses the definition of "emergency engine" in other rules.
- An attachment summarizing the requirements of 40 CFR Part 60 Subpart OOOO, "Standards of Performance (NSPS) for Crude Oil and Natural Gas Production, Transmission and Distribution" has been added to the permit.
- The following rules have been revised and/or revisions of the District rule have been adopted into the State Implementation Plan (SIP) since the reissuance for the permit terminating March 31, 2013:
  a) Rule 74.2, "Architectural Coatings"
  b) Rule 74.9, "Stationary Internal Combustion Engines"
  c) Rule 74.11.1, "Large Water Heaters and Small Boilers"
  d) California Air Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines

NOV by Facility

Since January 1, 1996

Facility No 01491 Platform Gina

NOV Date	NOV No	Rule Number	Comment	Settlement	Date Closed
10/17/2006	021661	10.A,B		$500.00	12/13/2006
09/29/2010	022658	29.C	Permit Condition Not Met - Oilfield AFS Key 00033	$1,500.00	11/18/2010
Total for 2 NOVs				$2,000.00	

1.c. PERIODIC MONITORING SUMMARY

This periodic monitoring summary is intended to aid the permittee in quickly identifying key monitoring, recordkeeping, and reporting requirements. It is not intended to be used as a "stand alone" monitoring guidance document that completely satisfies the requirements specifically applicable to this facility. The following tables are included in the periodic monitoring summary:

- Table 1.c.1. - Specific Applicable Requirements
- Table 1.c.2. - Permit-Specific Conditions
- Table 1.c.3. - General Applicable Requirements
- Table 1.c.4. - General Requirements for Short-Term Activities

1.c.1. Specific Applicable Requirements

The Specific Applicable Requirements Table includes a summary of the monitoring requirements, recordkeeping requirements, reporting requirements, and test methods associated with the attachments contained in Section No. 7 of this permit.

Attachment No./ Condition No.	Applicable Rule or Requirement	Monitoring	Recordkeeping	Semi-annual Reports	Test Methods	Comments
71.1N1	Rules 71.1.B.1.a, 74.10	•Quarterly inspection of the following components for proper operation: gas compressor, hatches, relief valves, pressure regulators, flare, as applicable •Verbal notice of maintenance activities •Rule 74.10 inspections •Annual compliance certification including verification that tanks are equipped with a vapor recovery system	•Records of quarterly inspections and tank maintenance activities •Rule 74.10 records	None	None	
71.1N6	Rules 71.1.B.3, 71.1.D.1.c, 74.10	•Annual compliance certification including verification of the integrity of the roof and pressure-vacuum relief valve •Rule 74.10 inspections	•Records of number of days the tank has stored or held crude oil during the maintenance operation, location of the tank relative to a tank battery, and whether tank was connected to vapor recovery •Records to show integrity of roof and PV valves for tanks not permanently located at facility •Rule 74.10 records	None	None	

1.c.1. Specific Applicable Requirements (Continued)

Attachment No./ Condition No.	Applicable Rule or Requirement	Monitoring	Recordkeeping	Semi-annual Reports	Test Methods	Comments
71.4 N1	Rules 71.4.B.2 and 74.10	•Verbal notice of maintenance operations •Rule 74.10 inspections •Annual compliance certification including verifying the integrity of the cover	•Records of maintenance •Rule 74.10 records	None	None	
74.9N9	Rule 74.9.D.9	•Annual compliance certification •Routine surveillance to ensure diesel-fired engine is used to power cranes and welding equipment only	•Records of engine data including engine function (usage), manufacturer, model number, operator identification number, and engine location	None	None	
ATCM Engine N3	ATCM for Stationary Compression Ignition Engines – OCS	•Fuel type records •Fuel use records	•Fuel type records •Fuel use records	None	None	Not federally enforceable
40CFR63ZZZZN3	RICE MACT for emergency diesel engines – oil change and inspections	•Maintenance records •Use non-resettable hour meter •Annual compliance certification	•Maintenance records •Hours of operation records	None	None	
40CFR63ZZZZN5	RICE MACT for non-emergency diesel engines > 300 HP & ≤ 500 HP, CO ppm limit	•Initial CO source testing •Maintain catalyst pressure / temperature •Annual compliance certification	•Initial CO testing records	As specified in Sections 63.6650(c)(1) – (6)	Portable analyzer, or EPA Methods 3,4, and 10 or their designated alternatives	

1.c.2. Permit-Specific Conditions

The Permit-Specific Conditions Table includes a summary of the monitoring requirements, recordkeeping requirements, reporting requirements, and test methods associated with the attachments contained in Section No. 8 of this permit.

Attachment No./ Condition No.	Applicable Rule or Requirement	Monitoring	Recordkeeping	Semi-annual Reports	Test Methods	Comments
PO1491PC1 - Condition No. 1	Rule 29 General Recordkeeping	•Annual compliance certification •Monthly records of throughput and consumption	•Monthly records	None	None	
PO1491PC1 - Condition No. 2	Rule 29 Maximum Number of Oil Wells	•Annual compliance certification	None	None	None	
PO1491PC1 – Condition No. 3	Rule 26 BACT Well	•Annual compliance certification	None	None	None	
PO1491PC1 - Condition No. 4	Rule 29 Maximum Sulfur Content of Diesel Fuel	•Fuel records or fuel supplier certification containing sulfur content of each diesel fuel delivery •Annual compliance certification	Fuel records	None	None	
PO1491PC1 - Condition No. 5	Rules 26 and 29 Crew Boat and Work Boat Emission Limits	•Diesel fuel consumption for boats servicing Platforms Gina and Gilda •Monthly calculations of emissions (boats) •Annual compliance certification	•Monthly records of diesel fuel consumption •Monthly calculations of emissions (boats)	None	None	
PO1491PC1 – Condition No. 6	Rule 29 Two Crew Boats Shall Not Be Used Simultaneously	•Maintain a log book of hours and days of crew boat operation •Annual compliance certification	•Maintain a log book of hours and days of crew boat operation	None	None	
PO1491PC1 – Condition No. 7	Rule 29 Two Work Boats Shall Not Be Used Simultaneously	•Maintain a log book of hours and days of work boat operation •Annual compliance certification	•Maintain a log book of hours and days of work boat operation	None	None	
PO1491PC1 – Condition No. 8	Rule 29 Boom Boat Fuel Limit	•Gasoline consumption at boom boats •Monthly gasoline consumption records •Annual compliance certification	•Monthly gasoline consumption at boom boats	None	None	
PO1491PC1 - Condition No. 9	Rules 23 and 29 Solvent Recordkeeping	•Maintain a list of exempt solvents •Annual compliance certification	•Maintain a list of exempt solvents	None	None	
PO1491PC2 - Condition Nos. 1, 2, and 5	Rule 29 Flare Fuel Consumption	•Fuel consumption •Identify emergency vs. non-emergency usage •Annual compliance certification	•Monthly records of fuel consumption	None	None	
PO1491PC2 - Condition Nos.3 and 4	Rules 71.1 Flare Ignition System Operation	•Monthly tests of flare's ignition system •Annual compliance certification	•Records of ignition system •Maintenance records	None	None	

1.c.2. Permit-Specific Conditions (continued)

Attachment No./ Condition No.	Applicable Rule or Requirement	Monitoring	Recordkeeping	Semi-annual Reports	Test Methods	Comments
PO1491PC3 - Condition No. 1	Rules 26 and 74.9 200 hours per year backup utility generator operation	•Annual compliance certification •Monthly records of backup utility generator hours of operation	•Hours of operation log (non-resettable meter) differentiating non-emergency use and emergency use •Monthly and twelve month rolling records of hours of operation	None	None	
PO1491PC3 - Condition Nos. 2 and 3	Rule 74.9 200 hours per year / emergency use exemptions	•Annual compliance certification •Recordkeeping	•Hours of operation log (non-resettable meter) •Monthly and twelve month rolling records of hours of operation	None	None	

1.c.3. General Applicable Requirements

The General Applicable Requirements Table includes a summary of the monitoring requirements, recordkeeping requirements, reporting requirements, and test methods associated with the attachments contained in Section No. 9 of this permit.

Attachment No./ Condition No.	Applicable Rule or Requirement	Monitoring	Recordkeeping	Semi-annual Reports	Test Methods	Comments
50	Rule 50	•Routine surveillance •Visual inspections •Annual compliance certification, including a formal survey •Opacity readings upon request •Notification required for uncorrectable visible emissions	•All occurrences of visible emissions for periods>3min in any one hour •Annual formal survey of all emissions units	None	•Opacity - EPA Method 9	
54.B.1 (OCS)	Rule 54.B.1	•Annual compliance certification •Identify planned vs. unplanned flaring event •Identify date, time, duration, flare volume, and estimated sulfur emissions per flare event •Upon request, source test for sulfur compounds at point of discharge	•Representative fuel analysis or exhaust analysis and compliance demonstration •Flare records	None	•Sulfur Compounds - EPA Test Method 6, 6A, 6C, 8, 15, 16A,16B, or SCAQMD Method 307-94, as appropriate	
54.B.2 (OCS)	Rule 54.B.2	•Annual compliance certification •Identify planned vs. unplanned flaring event •Identify date, time, duration, flare volume, and estimated sulfur emissions per flare event •Determine ground or sea level concentrations of SO_2, upon request	•Representative fuel analysis or exhaust analysis and modeling data or other compliance demonstration •Flare records	None	•SO_2 - BAAQMD Manual of Procedures, Vol.VI, Section 1, Ground Level Monitoring for H_2S and SO_2	
57.1	Rule 57.1	•Annual compliance certification	None	None	None	•Not required based on District analysis
64.B.1	Rule 64.B.1	•Annual compliance certification •None for PUC-quality gas •Annual test for non PUC-quality gas (submit with annual compliance certification)	•Annual fuel gas analysis for non PUC-quality gas	None	•SCAQMD Method 307-94	
64.B.2	Rule 64.B.2	•Annual compliance certification •Fuel supplier's certification, or fuel test per each delivery (submit with annual compliance certification)	•Fuel supplier's certification, or fuel test per each delivery	None	•ASTM Method D4294-83 or D2622-87	

1.c.3. General Applicable Requirements (Continued)

Attachment No./ Condition No.	Applicable Rule or Requirement	Monitoring	Recordkeeping	Semi-annual Reports	Test Methods	Comments
71.1.C	Rules 71.1.C and 74.10	•Annual compliance certification •Rule 74.10 inspections •Visual inspection to ensure collection system is closed •Quarterly inspection of flare to ensure proper operation	•Records of inspections of flare •Rule 74.10 records	None	None	•Compliance with Rule 74.10 ensures compliance with the gas collection system's maintenance requirements
71.4.B.1	Rule 71.4.B.1	•Annual compliance certification to ensure there are no first stage sumps	None	None	None	
71.4.B.3	Rule 71.4.B.3	•Annual compliance certification •Routine surveillance and visual inspections of well cellars	•Records of maintenance or well workover activity during periods of crude oil storage	None	None	
74.6	Rule 74.6	•Annual compliance certification •Maintain current solvent information •Routine surveillance of solvent cleaning activities •Upon request, solvent testing	•Records of current solvent information	None	•ROC content-EPA Test Method 24 or 24A •Identity of solvent components-ASTM E168-67, ASTM E169-87, or ASTM E260-85 •True vapor pressure or composite partial pressure -ASTM D2879-86 •Initial boiling point-ASTM 1078-78 or published source •Spray gun active/passive solvent losses-SCAQMD Method (10-3-89)	

1.c.3. General Applicable Requirements (Continued)

Attachment No./ Condition No.	Applicable Rule or Requirement	Monitoring	Recordkeeping	Semi-annual Reports	Test Methods	Comments
74.10	Rule 74.10	•Annual compliance certification •Identify leaking components •Inspections every shift or 8 hours at natural gas processing plants •Daily and/or weekly inspections for specified equipment •Quarterly inspections for specified components •Pressure relief valve inspections •Annual update to Operator Management Plan •Notification of major leaks in critical components •Notification of repeat leaks	•Records of leak inspections in inspection log	None	•Gas Leaks - EPA Method 21 •ROC Concentration of Gas Streams - ASTM E168-88, ASTM E169-87, or ASTM E260-85 •Weight percentage of evaporated compounds of liquids – ASTM Method D 86-82 •API Gravity - ASTM Method D287	
74.11.1	Rule 74.11.1	•Annual compliance certification •Maintain identification records of large water heaters and small boilers	•Records of current information of large water heaters and small boilers	None	None	•Rule only applies to future installation of large water heaters and small boilers
74.22	Rule 74.22	•Annual compliance certification •Maintain furnace identification records	•Records of current furnace information	None	None	•Rule only applies to future installation of natural gas-fired, fan-type furnaces

1.c.4. General Requirements for Short-Term Activities

The General Requirements for Short-Term Activities Table includes a summary of the monitoring requirements, recordkeeping requirements, reporting requirements, and test methods associated with the attachments contained in Section No. 10 of this permit.

Attachment No./ Condition No.	Applicable Rule or Requirement	Monitoring	Recordkeeping	Semi-annual Reports	Test Methods	Comments
74.1	Rule 74.1	•Annual compliance certification •Routine surveillance and visual inspections of abrasive blasting operation •Abrasive blasting records	•Abrasive blasting records	None	•Visible emission evaluation-Section 92400 of CCR	
74.2	Rule 74.2	•Annual compliance certification •Routine surveillance •Maintain VOC records of coatings used	•Maintain VOC records of coatings used	None	•VOC content-EPA Method 24, CARB Method 432 • Acid content-ASTM Method D 1613-85, •Metal content-SCAQMD Method 311-91	
74.16	Rule 74.16	•Annual compliance certification to ensure grid power being used, and/or •Annual compliance certification to ensure drilling engine has a valid APCD Permit to Operate, and meets NOx limit, or •Maintain cost analysis documentation as verification to grid power exemption, if applicable •Annual source tests (NO_x) or engine manufacturer certification	•Records of source tests or engine manufacturer certification •Records of cost analysis documentation	None	•NO_x-ARB Method 100	
40CFR61.M	40 CFR Part 61, Subpart M	•Annual Compliance Certification •See 40 CFR Part 61.145 for inspection procedures	•See 40 CFR Part 61.145 for recordkeeping procedures	•See 40 CFR Part 61.145 for notification procedures	•See 40 CFR Part 61.145 for test methods	

M:\TITLEV\TV Permits\PO1491\Permit III\Periodic Monitoring Table-rev311.doc

2. PERMITTED EQUIPMENT AND APPLICABLE REQUIREMENTS TABLE

Purpose

The purpose of this table is to list the emissions units at this stationary source that are permitted to operate pursuant to Rule 10, "Permits Required" and Rule 23, "Exemptions From Permit". The table also provides a list of requirements that are specifically applicable to these emissions units. Permit conditions that enforce these requirements are listed in Section No. 7, "Specific Applicable Requirements" and Section No. 8, "Permit Specific Conditions" of this permit.

In addition to the emission unit specific requirements in Section No. 7 and Section No. 8, there are additional general requirements that may apply to the emissions units listed in this table, or to the stationary source as a whole. Furthermore, some general requirements may apply to emissions units or short-term activities not required to be specifically listed on the permit. These general requirements are contained in the following sections of the Permit: Section No. 9, "General Applicable Requirements"; Section No. 10, "General Requirements for Short-Term Activities"; Section No. 11, "General Permit Conditions"; and Section No. 12, "Miscellaneous Federal Program Conditions".

Equipment Description

This portion of the table provides a brief description of the permitted equipment at this stationary source. Attached to the table is a "Title V Equipment List Description Key" that contains definitions and explanations for some of the standard terminology used in the equipment description.

Applicable Requirements

The applicable requirements portion of the table is a matrix of applicability for the specific requirements that apply to the listed emissions units. The columns are labeled with APCD rule numbers or references to federal requirements. An "X" in the row corresponding to the emissions unit indicates the requirement is specifically applicable to that unit. For cases where a rule has multiple compliance options, a number appears instead of an "X". The number is a code key that corresponds to the "Title V Applicable Requirement Code Key" attached to the table. The code key table contains specific citations for the portions of the rule that are applicable. The code key is also used to identify the permit attachment in Section No. 7 , "Specific Applicable Requirements", that contains the associated permit conditions. For example, code key "1" under Rule 71.1 is associated with Attachment 71.1N1 in Section No. 7.

Permit specific conditions are identified with a "PC" followed by a number in the column labeled "ADD REQ" (additional requirements). A "PC#" in the row corresponding to the emissions unit indicates that the permit specific condition is specifically applicable to that unit. The "PC#" also

corresponds to the permit attachment in Section No. 8, "Permit Specific Conditions," that contains the permit specific requirements.

TABLE NO. 2

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT
Permit to Operate No. 01491
Permitted Equipment and Applicable Requirements

M:\TITLEV\TV Permits\PO1491\PermitII\Tables_1491-311

Equipment	71.1	71.4	74.9	Engine ATCM	RICE MACT	Additional Requirements
OCS Platform Gina						
1 - 250 BBL PWT (TK-14) VR	1					
1 - 200 BBL Wash Tank VR	1					
1 - 130 BBL Waste Oil Tank (TK-2) VR	1					
1 - 35 BBL PWT, Wemco Flotation Cell, Model No. 56, VR	1					
1 - 3.14 sqft Surface Pit (2 ft diameter covered floor drain pit)		1				
1 - 142 MMBTU/Hr Flare, John Zink Model LRGO-4/FF, maximum design gas flow throughput of 2 MMCF/day, equipped with an automatic ignition system and smokeless tip						PC1, PC2
1 - 325 BHP Diesel Crane Engine, (Caterpillar 3406B), Crane No. 1			9	3	5	PC1
1 - 450 BHP Diesel Backup Utility Generator Engine, (Cummins 3406) Serial No. NT4855-62/63				3	3	PC1, PC3
Boom Boat #						
2 - 70 BHP Suzuki Gasoline Engines, Model DF-70, Serial Nos. 07001F-423028 and 07001F-423033, EPA Family 5SKXM1.302G8						PC1
Crew Boat Engines						
"Ryan T"						
4 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine						PC1
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine						PC1
"Luke"						
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine						PC1
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine						PC1
"Alan T"						
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine						PC1
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine						PC1
"Capt T Lee"						
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine						PC1
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine						PC1
"Nicholas L"						
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine						PC1
2 - 40.2 BHP Detroit Diesel Engines, Model 3-71, Generator Engine						PC1
"Kenneth Carl"						
2 - 626 BHP Detroit Diesel Engines, Model 16V92N, Main Engine						PC1
2 - 54 BHP Detroit Diesel Engines, Model 4-71, Generator Engine						PC1
"Patrick"						
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine						PC1
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine						PC1
"Peter Mac"						
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine						PC1
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine						PC1
"Michael Uhl"						
2 - 400 BHP Diesel Main Engines, Detroit 3V71						PC1
2 - 75 BHP Diesel Generator Engines, Detroit 3V71						PC1
"Isabel L"						
3 - 600 BHP Diesel Main Engines, MTU Series 60						PC1
2 - 49 BHP Diesel Generator Engines, Isuzu A-4JG1						PC1

TABLE NO. 2

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT
Permit to Operate No. 01491
Permitted Equipment and Applicable Requirements

M:\TITLEV\TV Permits\PO1491\PermitIII\Tables_1491-311

Equipment	71.1	71.4	74.9	Engine ATCM	RICE MACT	Additional Requirements
Work Boat Engines						
"Santa Cruz"						
2 - 2000 BHP Diesel Main Engines (Caterpillar 3516B)						PC1
2 - 245 BHP Diesel Generator Engines (Caterpillar 3306)						PC1
1 - 515 BHP Diesel Thruster Engine (Caterpillar 3408)						PC1
"Kenneth Carl"						
2 - 626 BHP Detroit Diesel Engines, Model 16V92N, Main Engine						PC1
2 - 54 BHP Detroit Diesel Engines, Model 4-71, Generator Engine						PC1
"NRC Patriot II"						
2 - 626 BHP Detroit Diesel Engines, Model 16V92N, Main Engine						PC1
2 - 54 BHP Detroit Diesel Engines, Model 3-71, Generator Engine						PC1
"Ryan T"						
4 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine						PC1
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine						PC1
M/V San Miguel						
2 - 2000 BHP Caterpillar Diesel Main Engines, Model 3516B						PC1
2 - 245 BHP Caterpillar Diesel Engines, Model 3306, Generator Engine (175 KW)						PC1
1 - 500 BHP Diesel Bow Thruster Engine, Caterpillar 3408C						PC1
"Michael Uhl"						
2 - 400 BHP Diesel Main Engines, Detroit 3V71						PC1
2 - 75 BHP Diesel Generator Engines, Detroit 3V71						PC1
"Isabel L"						
3 - 600 BHP Diesel Main Engines, MTU Series 60						PC1
2 - 49 BHP Diesel Generator Engines, Isuzu A-4JG1						PC1
"Danny C"						
2 - 360 BHP Diesel Main Engines, Caterpillar 3406C						PC1
1 - 30 BHP Diesel Generator Engine, Shibaura M20CRW2						PC1
1 - 47 BHP Diesel Generator Engine, Isuzu 4JB1						PC1
1 - 45 BHP Winch engine, Detroit 2-71						PC1
For Use Throughout Platform						
8 - Oil Wells						PC1
1 - 500 BBL Portable Tank	6					
Exempt Equipment						
Portable Emergency Engines (Exempt - Rule 23.D.7.c)						
Wipe Cleaning Operations (Exempt - Rule 23.F.10)						
# - Operate for two (2) platforms, "Gina" and "Gilda" (PO 01491 & PO 01492)						PC1

TITLE V EQUIPMENT LIST DESCRIPTION KEY

For Title V permits, the Permitted Equipment and Applicable Requirements Table contains a number of terms, abbreviations, and acronyms that have been standardized for oilfield facilities. The following list describes many of the terms on an oilfield equipment list:

BHP The output of an internal combustion engine as measured in brake horsepower.

BL A crude oil loading facility that is equipped with bottom loading capabilities.

Condensate Tank A tank that is used for the purpose of storing water and hydrocarbon liquids recovered from natural gas scrubbers. This tank is assumed to operate with a variable liquid level and has an associated throughput limit.

COST A crude oil storage tank that generally operates with a variable liquid level and has an associated throughput limit. An oil shipping tank that has a truck loading rack is a COST by definition. These tanks may also be known as shipping tanks.

Cover Indicates that a petroleum sump, pit, or pond is equipped with a properly installed and maintained cover which complies with Rule 71.4.

EXEMPT A tank, pit, or sump that processes produced water with an ROC content of less than 5 milligrams per liter and is exempt from Rule 71.1 or Rule 71.4.

Gauge or Test Tank A tank that is used for the purpose of production testing a well or group of wells. This tank is assumed to operate with a variable liquid level and has an associated throughput limit.

LACT Tank A Lease Automated Custody Transfer tank that operates at a constant or near constant liquid level and does not have an associated throughput limit. This tank is generally equipped with a LACT pump for pipeline oil shipping. A shipping tank with a truck loading rack is not by definition a LACT tank, but is a COST.

Loading Facility A crude oil loading rack or loading valve used for the transfer of crude oil from a storage tank or group of tanks to a delivery vessel.

Lo-NOx Device has equipment to control the emissions of NOx and CO to meet the requirements of Rules 74.15 or 74.15.1, or best available control technology requirements.

MMBTU/Hr The heat input of an external combustion device as measured in millions of British Thermal Units per hour.

NG Indicates that the equipment is permitted to be fired on natural gas only.

NG/FO Indicates that equipment is permitted to be fired on natural gas with fuel oil or diesel as a backup fuel.

NSCR Engine that is equipped with non-selective catalytic reduction to meet its Rule 74.9 compliance requirements.

Pit Device used to receive emergency or intermittent flows.

PSC Engine that is equipped with a pre-stratified charge to meet its Rule 74.9 compliance requirements.

PWT A produced water tank that generally operates with a constant liquid level and does not have an associated throughput limit. These tanks may also be known as free water knock out (FWKO) tanks.

Rich Burn or Lean Burn A designation associated with a gas-fired internal combustion engine that determines its Rule 74.9 compliance requirements.

SCR Engine or turbine that is equipped with selective catalytic reduction and ammonia injection to meet its Rule 74.9 or Rule 74.23 compliance requirements.

SF A crude oil loading facility that is equipped with submerged fill loading capabilities.

Sump Device used for separation, generally in constant use.

UNC Indicates that the equipment is uncontrolled. For example, a tank that is not equipped with a vapor recovery system, or an engine or heater that is not equipped with NOx controls are labeled UNC.

VR A vapor recovery system that is installed on a tank, loading rack or loading facility, glycol dehydrator, or other piece of process equipment.

Wash Tank A tank that stores and separates oil and water that generally operates with a constant liquid level. It does not have an associated throughput limit.

TITLE V APPLICABLE REQUIREMENT CODE KEY

Rule 71.1, "Crude Oil Production and Separation"

1. Storage tanks shall be equipped with a vapor recovery system that directs all vapors to a gas gathering system or flare (71.1.B.1.a)
2. Storage tanks shall be equipped with a vapor recovery system that directs all vapors to some other control system with a minimum destruction or removal efficiency of 90% by weight (71.1.B.1.b)
3. Tank batteries installed prior to June 20, 1978 are exempt from vapor recovery when processing crude oil having a modified Reid vapor pressure of less than 0.5 psia. Solid roof and pressure-vacuum relief valve is required. (71.1.B.2/71.1.D.1.a)
4. Storage tanks are exempt from the solid roof and vapor recovery requirements if the ROC content of the liquid entering the tank is less than 5 milligrams per liter. (71.1.D.3)
5. Storage tanks are exempt from the solid roof and vapor recovery requirements if a BACT Cost Analysis indicates that maximum emission reduction has already taken place. (71.1.D.4)
6. Portable tanks shall be equipped with closed covers and pressure vacuum valves and have limited exemptions from vapor recovery requirements. (71.1.B.3/71.1.D.1.c)

Rule 71.4, "Petroleum Sumps, Pits, Ponds and Well Cellars"

1. Second and third stage sumps, pits, and ponds shall have an impermeable cover (71.4.B.2)
2. Exemption from cover requirement for emergency pits (71.4.C.1.b)
3. Exemption from cover requirement for sumps, pits, or pond if the ROC content of the liquid at the point of entry is less than 5 milligrams per liter (71.4.C.1.c)
4. Exemption from cover requirement for sumps, pits, or pond when a BACT Cost Analysis indicates that maximum emission reduction has already taken place. (71.4.C.1.d)

Rule 74.9, "Stationary Internal Combustion Engines"

1. Pre-January 1, 2002 emission limits and post-January 1, 2002 emission limits for natural gas rich burn engines with existing emission controls installed after September 5, 1989. (74.9.B.1 or 74.9.B.2, and 74.9.B.3)
2. Pre-January 1, 2002 emission limits and post-January 1, 2002 emission limits for natural gas lean burn engines with existing emission controls installed after September 5, 1989. (74.9.B.1 or 74.9.B.2, and 74.9.B.3)
3. Post-January 1, 1997 emission limits for natural gas rich burn engines with emission controls installed before September 5, 1989; or installed after March 5, 1992. (74.9.B.1 or 74.9.B.2)
4. Post-January 1, 1997 emission limits for natural gas lean burn engines with emission controls installed before September 5, 1989; or installed after March 5, 1992. (74.9.B.1 or 74.9.B.2) Post-January 1, 1997 emission limit for ammonia, if applicable. (74.9.B.5)
5. Post-January 1, 1997 emission limits for diesel engines. (74.9.B.1 or 74.9.B.2) Post-January 1, 1997 emission limit for ammonia, if applicable. (74.9.B.5)

6. Exemption from Rule 74.9 for engines operated less than 200 hours per calendar year (74.9.D.2)
7. Exemption from Rule 74.9 for emergency standby engines operated during either an emergency or maintenance operation. (74.9.D.3)
8. Exemption from Rule 74.9 for diesel engines with a permitted capacity factor of less than or equal to 15%. (74.9.D.8)
9. Exemption from Rule 74.9 for diesel engines used to power cranes and welding equipment. (74.9.D.9)
10. Exemption from Rule 74.9 for diesel engines operated on San Nicolas Island. (74.9.D.10)

Section 93115, Title 17, California Code of Regulations California Airborne Toxic Control Measure For Stationary Compression Ignition (CI) Engines

1. In-use emergency fire pump assembly engines
2. In-use emergency engines operated not more than 20 hours per year for maintenance and testing purposes.
3. Engines operated solely on OCS Platforms.

40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engine (RICE MACT)

1. Existing compression ignition and spark ignition engine compliance dates
2. Existing landfill gas engines – area source
3. Existing emergency diesel engines – area source
4. Existing non-emergency diesel engines $\leq$ 300 HP – area source
5. Existing non-emergency diesel engines 300 HP $<$ X $\leq$ 500 HP – area source
6. Existing non-emergency diesel engines $<$ 500 HP – area source
7. Existing non-emergency spark-ignited four stroke remote rich burn engine $>$ 500 HP – area source

3. PERMITTED THROUGHPUT AND CONSUMPTION LIMIT TABLE

Purpose

The purpose of this table is to list the emissions units at this stationary source that have limitations on throughput, fuel consumption, raw material usage, hours of operation, or other parameters that limit the potential to emit of the emissions unit. In some cases, the limit on the potential to emit is expressed directly as a set of pollutants and emission limits in tons per year.

These limitations are applied pursuant to Rule 26, "New Source Review" or Rule 29, "Conditions on Permits". Two sets of limits are listed in this table. The "Throughput Permit Limit" is the enforceable limit pursuant to this permit. Permit conditions that enforce these limits are listed in Section No. 8, "Permit Specific Conditions" of this permit.

The "Calculation Throughput" is used only to calculate permitted emissions pursuant to Rule 29, "Conditions on Permits".

Equipment Description

This portion of the table is the same as the equipment description in the "Permitted Equipment and Applicable Requirements Table".

Throughput Permit Limit

The throughput or consumption limit listed in this column of the table is an enforceable limit on the emissions unit's potential to emit. In the column labeled "District (D)/ Federal (F) Enforceable", a "D" or an "F" denotes whether the limit is only enforceable by the District or whether the limit is a federally-enforceable limit. District-enforceable limits are limits applied solely pursuant to Rule 29, "Conditions on Permits". Limits that have been applied pursuant to Rule 26, "New Source Review" are federally enforceable.

The throughput permit limit may apply to a single emissions unit or to a set of emission units. When the limit applies to set of emissions units, the set consists of the emissions unit with which the limit is listed and the emissions units which follow that have an asterisk in the throughput permit limit column.

Pursuant to Rule 26 and Rule 29, the throughput permit limit is an annual limit which is enforceable based on a period of any twelve (12) consecutive calendar months.

Note that when the calculation throughput (discussed below) corresponds to using the emissions unit full time (8760 hours per year) at maximum rated capacity, the throughput permit limit column contains the notation "No Limit". When District emission calculation procedures do not involve throughput or consumption data, both the throughput permit limit and the calculation throughput

column are left blank.

Calculation Throughput

The throughput or consumption limit listed in this column of the table is the throughput used in the District calculation procedures to calculate permitted emissions for the emissions unit. The calculation throughput may apply to a single emissions unit or to a set of emissions units denoted as discussed above. The calculation throughput is not an enforceable permit limit.

The "Calculation Procedure" column is reserved for future use. Emission calculations for the emissions units in this table are available in the District's permit files for this stationary source.

Abbreviations

The following abbreviations have been used in the "Permitted Throughput and Consumption Limit Table" for the "Throughput Permit Limit" column and for the "Calculation Throughput Limit" column:

BBL/Yr: barrels per year
Days/Yr: days per year
FO: fuel oil or diesel fuel
Gal/Yr: gallons per year
Hrs/Day: hours per day
Hrs/Yr: hours per year
Lbs ROC/Yr: pounds of reactive organic compounds per year
LPG: liquid petroleum gas (propane)
MBBL/Yr: thousands of barrels per year
MGal/Yr: thousands of gallons per year
MMBTU/Yr: million British Thermal Units of heat input per year
MMCF/Yr: million standard cubic feet of natural gas per year
MMGal/Yr: million gallons per year
NG: natural gas
TPY: tons per year

TABLE NO. 3

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT
Permit to Operate No. 01491
Permitted Throughput/Consumption Limits

M:\TITLEV\TV Permits\PO1492\PermitII\Tables_1491-311 Equipment		Throughput Permit Limit	District (D)/ Federal(F) Enforceable	Calculation Throughput	Calculation Procedure
OCS Platform Gina					
1 - 250 BBL PWT (TK-14) VR					
1 - 200 BBL Wash Tank VR					
1 - 130 BBL Waste Oil Tank (TK-2) VR					
1 - 35 BBL PWT, Wemco Flotation Cell, Model No. 56, VR					
1 - 3.14 sqft Surface Pit (2 ft diameter covered floor drain pit)					
1 - 142 MMBTU/Hr Flare, John Zink Model LRGO-4/FF, maximum design gas flow throughput of 2 MMCF/day, equipped with an automatic ignition system and smokeless tip		16.6 MMCF / Yr	F	16.6 MMCF / Yr	
1 - 325 BHP Diesel Crane Engine, (Caterpillar 3406B), Crane No. 1		2,870 Gal/Yr	F	2,870 Gal/Yr	
1 - 450 BHP Diesel Backup Utility Generator Engine, (Cummins 3406) Serial No. NT4855-62/63		200 Hrs/Yr	F	200 Hrs/Yr	
Boom Boat					
2 -70 BHP Suzuki Gasoline Engines, Model DF-70, Serial Nos. 07001F-423028 and 07001F-423033, EPA Family 5SKXM1.302G8		500 Gal/Yr #	F	500 Gal/Yr #	
Crew Boat Engines					
"Ryan T"					
4 - 510 BHP Diesel Main Engines (Detroit 12V71TI)				72,500 Gal/Yr	
	ROC	1.40 TPY	F		
	NOx	23.68 TPY	F		
	PM	1.41 TPY	F		
	SOx	0.31 TPY	F		
	CO	4.31 TPY	F		
2 - 75 BHP Diesel Generator Engines (Detroit 3-71)		*		*	
"Luke"					
3 - 510 BHP Diesel Main Engines (Detroit 12V71TI)		*		*	
2 - 75 BHP Diesel Generator Engines (Detroit 3-71)		*		*	
"Alan T"					
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine		*		*	
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine		*		*	
"Capt T Lee"					
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine		*		*	
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine		*		*	
"Nicholas L"					
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine		*		*	
2 - 40.2 BHP Detroit Diesel Engines, Model 3-71, Generator Engine		*		*	
"Kenneth Carl"					
2 - 626 BHP Detroit Diesel Engines, Model 16V92N, Main Engine		*		*	
2 - 54 BHP Detroit Diesel Engines, Model 4-71, Generator Engine		*		*	
"Patrick"					
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine		*		*	
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine		*		*	
"Peter Mac"					
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine		*		*	
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine		*		*	
"Michael Uhl"					
2 - 400 BHP Diesel Main Engines, Detroit 3V71		*		*	
2 - 75 BHP Diesel Generator Engines, Detroit 3V71		*		*	
"Isabel L"					
3 - 600 BHP Diesel Main Engines, MTU Series 60		*		*	
2 - 49 BHP Diesel Generator Engines, Isuzu A-4JG1		*		*	

TABLE NO. 3

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT
Permit to Operate No. 01491
Permitted Throughput/Consumption Limits

M:\TITLEV\TV Permits\PO1492\PermitIII\Tables_1491-311 Equipment	Throughput Permit Limit	District (D)/ Federal(F) Enforceable	Calculation Throughput	Calculation Procedure
Work Boat Engines				
"Santa Cruz"				
2 - 2000 BHP Diesel Main Engines (Caterpillar 3516B)	*		11,900 Gal/Yr	
2 - 245 BHP Diesel Generator Engines (Caterpillar 3306)	*		*	
1 - 515 BHP Diesel Thruster Engine (Caterpillar 3408)	*		*	
"Kenneth Carl"				
2 - 626 BHP Detroit Diesel Engines, Model 16V92N, Main Engine	*		*	
2 - 54 BHP Detroit Diesel Engines, Model 4-71, Generator Engine	*		*	
"NRC Patriot II"				
2 - 626 BHP Detroit Diesel Engines, Model 16V92N, Main Engine	*		*	
2 - 54 BHP Detroit Diesel Engines, Model 3-71, Generator Engine	*		*	
"Ryan T"				
4 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine	*		*	
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine	*		*	
M/V San Miguel				
2 - 2000 BHP Caterpillar Diesel Main Engines, Model 3516B	*		*	
2 - 245 BHP Caterpillar Diesel Engines, Model 3306, Generator Engine (175 KW)	*		*	
1 - 500 BHP Diesel Bow Thruster Engine, Caterpillar 3408C	*		*	
"Michael Uhl"				
2 - 400 BHP Diesel Main Engines, Detroit 3V71	*		*	
2 - 75 BHP Diesel Generator Engines, Detroit 3V71	*		*	
"Isabel L"				
3 - 600 BHP Diesel Main Engines, MTU Series 60	*		*	
2 - 49 BHP Diesel Generator Engines, Isuzu A-4JG1	*		*	
"Danny C"				
2 - 360 BHP Diesel Main Engines, Caterpillar 3406C	*		*	
1 - 30 BHP Diesel Generator Engine, Shibaura M20CRW2	*		*	
1 - 47 BHP Diesel Generator Engine, Isuzu 4JB1	*		*	
1 - 45 BHP Winch engine, Detroit 2-71	*		*	
Exempt Equipment				
Portable Emergency Engines (Exempt - Rule 23.D.7.c)				
Wipe Cleaning Operations (Exempt - Rule 23.F.10)				
* - Included in Limit or Calculation Throughput Above # - Share throughput between two (2) Platforms, (PO 01491 & PO 01493)				

4. PERMITTED EMISSIONS TABLE

Purpose

The purpose of this table is to document the permitted emissions for this stationary source. Rule 29, "Conditions on Permits", requires permitted emissions to be included on each Permit to Operate. Rule 29 is federally enforceable on OCS Platforms, pursuant to 40 CFR Part 55, "Outer Continental Shelf Air Regulations".

The permitted emissions table also characterizes the amount and type of criteria air pollutants emitted by this stationary source.

Rule 29 requires that annual permitted emissions be based on a 12 calendar month rolling period and be expressed in units of tons per year. Hourly permitted emissions are required to be expressed in units of pounds per hour. Permitted emissions for a stationary source are required to be determined by aggregating the permitted emissions for each emissions unit at the stationary source.

In general, permitted emissions are calculated based on throughput or consumption data for an emission unit, specific physical characteristics of the emission unit, and emission factors. The emission factors may be standard published emission factors or they may be derived from source test data or specific emission limits that apply to the emissions unit. In some cases, permitted emissions are expressed directly as a set of pollutants and emission limits in tons per year without reference to any calculation method.

Section No. 3, "Permitted Throughput and Consumption Limit Table", contains information on the throughput and consumption limits that are enforceable at this stationary source. In addition, other sections of this permit contain conditions that act to enforce specific portions of the permitted emissions table.

Equipment Description

This portion of the table is the same as the equipment description in the "Permitted Equipment and Applicable Requirements Table".

Tons Per Year

This column of the table represents the permitted emissions in units of tons per year for ROC (reactive organic compounds), NOx (nitrogen oxides), PM (particulate matter), SOx (sulfur oxides), and CO (carbon monoxide). In some cases, emissions of non-criteria pollutants of interest may also be listed. Pursuant to Rule 29, annual permitted emissions shall be the annual emissions used to determine compliance for issuance of any new or revised permit issued after October 22, 1991. For emissions units for which no new or revised permit has been issued since

October 22, 1991, annual permitted emissions generally reflect actual historical emissions from the emissions unit.

The permitted emissions limit may apply to a single emissions unit or to a set of emission units. When the limit applies to set of emissions units, the set consists of the emissions unit with which the limit is listed and the emissions units which follow that have an asterisk in the pollutant columns.

Pounds Per Hour

This column of the table represents the permitted emissions in units of pounds per hour for ROC (reactive organic compounds), NOx (nitrogen oxides), PM (particulate matter), SOx (sulfur oxides), and CO (carbon monoxide). Pursuant to Rule 29, hourly permitted emissions shall be calculated based on the maximum quantity of each air pollutant which may be emitted from the emissions unit during a one hour period, as limited by any applicable rules or permit conditions.

Hazardous Air Pollutants

This permit does not provide information that characterizes the emissions of hazardous air pollutants (HAPS) from this facility. This information can be obtained from the reissuance application or the facility's AB-2588, Air Toxics "Hot Spots", Report referenced at the bottom of the "Permitted Emissions Table". For Outer Continental Source (OCS) sources, not subject to AB-2588, HAP emissions information is included in the permit reissuance application and is maintained by the stationary source.

TABLE NO. 4

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT
Permit to Operate No. 01491
Permitted Emissions

M:\TITLEV\TV Permits\PO1492\PermitIII\Tables_1491-311

Equipment	TONS PER YEAR					POUNDS PER HOUR				
	ROC	NOx	PM	SOx	CO	ROC	NOx	PM	SOx	CO
OCS Platform Gina										
1 - 250 BBL PWT (TK-14) VR	0.01					0.00				
1 - 200 BBL Wash Tank VR	0.01					0.00				
1 - 130 BBL Waste Oil Tank (TK-2) VR	0.01					0.00				
1 - 35 BBL PWT, Wemco Flotation Cell, Model No. 56, VR	0.00					0.00				
1 - 3.14 sqft Surface Pit (2 ft diameter covered floor drain pit)	0.00					0.00				
1 - 142 MMBTU/Hr Flare, John Zink Model LRGO-4/FF, maximum design gas flow throughput of 2 MMCF/day, equipped with an automatic ignition system and smokeless tip	0.45	0.59	0.04	4.41	3.22	7.35	9.65	0.71	71.87	52.53
1 - 325 BHP Diesel Crane Engine, (Caterpillar 3406B), Crane No. 1	0.05	0.67	0.05	0.01	0.15	0.76	10.79	0.77	0.17	2.35
1 - 450 BHP Diesel Backup Utility Generator Engine, (Cummins 3406) Serial No. NT4855-62/63	0.11	1.50	0.11	0.02	0.33	1.06	14.96	1.07	0.24	3.25
Boom Boat #										
2 - 70 BHP Suzuki Gasoline Engines, Model DF-70, Serial Nos. 07001F-423028 and 07001F-423033, EPA Family 5SKXM1.302G8	0.02	0.02	0.00	0.00	0.58	1.21	1.68	0.10	0.08	45.83
Crew Boat Engines										
"Ryan T"										
4 - 510 BHP Diesel Main Engines (Detroit 12V71TI)	1.20	20.34	1.21	0.27	3.70	4.80	81.23	4.85	1.09	14.77
2 - 75 BHP Diesel Generator Engines (Detroit 3-71)	*	*	*	*	*	0.35	5.95	0.36	0.08	1.08
"Luke"										
3 - 510 BHP Diesel Main Engines (Detroit 12V71TI)	*	*	*	*	*	*	*	*	*	*
2 - 75 BHP Diesel Generator Engines (Detroit 3-71)	*	*	*	*	*	*	*	*	*	*
"Alan T"										
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine	*	*	*	*	*	*	*	*	*	*
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine	*	*	*	*	*	*	*	*	*	*
"Capt T Lee"										
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine	*	*	*	*	*	*	*	*	*	*
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine	*	*	*	*	*	*	*	*	*	*
"Nicholas L"										
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine	*	*	*	*	*	*	*	*	*	*
2 - 40.2 BHP Detroit Diesel Engines, Model 3-71, Generator Engine	*	*	*	*	*	*	*	*	*	*
"Kenneth Carl"										
2 - 626 BHP Detroit Diesel Engines, Model 16V92N, Main Engine	*	*	*	*	*	*	*	*	*	*
2 - 54 BHP Detroit Diesel Engines, Model 4-71, Generator Engine	*	*	*	*	*	*	*	*	*	*
"Patrick"										
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine	*	*	*	*	*	*	*	*	*	*
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine	*	*	*	*	*	*	*	*	*	*
"Peter Mac"										
3 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine	*	*	*	*	*	*	*	*	*	*
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine	*	*	*	*	*	*	*	*	*	*
"Michael Uhl"										
2 - 400 BHP Diesel Main Engines, Detroit 3V71	*	*	*	*	*	*	*	*	*	*
2 - 75 BHP Diesel Generator Engines, Detroit 3V71	*	*	*	*	*	*	*	*	*	*
"Isabel L"										
3 - 600 BHP Diesel Main Engines, MTU Series 60	*	*	*	*	*	*	*	*	*	*
2 - 49 BHP Diesel Generator Engines, Isuzu A-4JG1	*	*	*	*	*	*	*	*	*	*

TABLE NO. 4

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT
Permit to Operate No. 01491
Permitted Emissions

M:\TITLEV\TV Permits\PO1492\PermitIII\Tables_1491-311

Equipment	TONS PER YEAR					POUNDS PER HOUR				
	ROC	NOx	PM	SOx	CO	ROC	NOx	PM	SOx	CO
Work Boat Engines										
"Santa Cruz"										
2 - 2000 BHP Diesel Main Engines (Caterpillar 3516B)	0.20	3.34	0.20	0.04	0.61	7.71	130.49	7.79	1.74	23.73
2 - 245 BHP Diesel Generator Engines (Caterpillar 3306)	*	*	*	*	*	1.15	19.52	1.17	0.26	3.55
1 - 515 BHP Diesel Thruster Engine (Caterpillar 3408)	*	*	*	*	*	1.21	20.48	1.22	0.27	3.72
"Kenneth Carl"										
2 - 626 BHP Detroit Diesel Engines, Model 16V92N, Main Engine	*	*	*	*	*	*	*	*	*	*
2 - 54 BHP Detroit Diesel Engines, Model 4-71, Generator Engine	*	*	*	*	*	*	*	*	*	*
"NRC Patriot II"										
2 - 626 BHP Detroit Diesel Engines, Model 16V92N, Main Engine	*	*	*	*	*	*	*	*	*	*
2 - 54 BHP Detroit Diesel Engines, Model 3-71, Generator Engine	*	*	*	*	*	*	*	*	*	*
"Ryan T"										
4 - 510 BHP Detroit Diesel Engines, Model 12V71TI, Main Engine	*	*	*	*	*	*	*	*	*	*
2 - 75 BHP Detroit Diesel Engines, Model 3-71, Generator Engine	*	*	*	*	*	*	*	*	*	*
M/V San Miguel										
2 - 2000 BHP Caterpillar Diesel Main Engines, Model 3516B	*	*	*	*	*	*	*	*	*	*
2 - 245 BHP Caterpillar Diesel Engines, Model 3306, Generator Engine (175 KW	*	*	*	*	*	*	*	*	*	*
1 - 500 BHP Diesel Bow Thruster Engine, Caterpillar 3408C	*	*	*	*	*	*	*	*	*	*
"Michael Uhl"										
2 - 400 BHP Diesel Main Engines, Detroit 3V71	*	*	*	*	*	*	*	*	*	*
2 - 75 BHP Diesel Generator Engines, Detroit 3V71	*	*	*	*	*	*	*	*	*	*
"Isabel L"										
3 - 600 BHP Diesel Main Engines, MTU Series 60	*	*	*	*	*	*	*	*	*	*
2 - 49 BHP Diesel Generator Engines, Isuzu A-4JG1	*	*	*	*	*	*	*	*	*	*
"Danny C"										
2 - 360 BHP Diesel Main Engines, Caterpillar 3406C	*	*	*	*	*	*	*	*	*	*
1 - 30 BHP Diesel Generator Engine, Shibaura M20CRW2	*	*	*	*	*	*	*	*	*	*
1 - 47 BHP Diesel Generator Engine, Isuzu 4JB1	*	*	*	*	*	*	*	*	*	*
1 - 45 BHP Winch engine, Detroit 2-71	*	*	*	*	*	*	*	*	*	*
For Use Throughout Platform										
8 - Oil Wells	2.92					0.67				
1 - 500 BBL Portable Tank	0.27					0.06				
Exempt Equipment										
Portable Emergency Engines (Exempt - Rule 23.D.7)										
Wipe Cleaning Operations (Exempt - Rule 23.F.10)										
* - Included in Emissions Above										
# - 1/2 emissions of total of 500 gal/yr for two (2) platforms										
Total Permitted Emissions	5.25	26.46	1.61	4.75	8.59	26.33	294.75	18.04	75.80	150.81

HAP Emissions Ref.: OCS HAP Emission Estimation Techniques and Calculations are maintained at the facility.

5. OIL WELL LIST

This permit authorizes the operation of a maximum number of wells for the production of oil or natural gas. This section of the permit contains a list of the wells currently authorized to be operated. When changes to the list are desired, the permit holder is required to submit an application to modify the Part 70 Permit.

An Authority to Construct is also required prior to adding a well that is newly drilled to the oil well list or prior to increasing the number of wells on the oil well list.

Section No. 8, "Permit Specific Conditions", includes a condition that limits the maximum number of producing wells at this stationary source. If applicable, Section No. 8 also includes a condition that requires best available control technology (BACT) on specific wells that were subject to Rule 26, "New Source Review".

Ventura County Air Pollution Control District

OIL WELL LIST

Part 70 Permit No. 01491

The following oil wells are on permit:

Total Active Wells: 8

Slot Number	Well Number
1	H-8
3	H-4
5	H-12
7	H-5
8	H-1
12	H-7
13	H-14
14	H-2

6. EXEMPT EQUIPMENT LIST

Rule 33.2.A.3 (Part 70 Permits - Application Contents) requires the applicant to provide a list of all emissions units located at the stationary source that are exempt pursuant to Rule 23 based on size or production rate. Pursuant to Rule 33.2.A.3, emissions from insignificant activities do not need to be included in the permit application.

This section of the permit contains a table entitled "Insignificant Activities (Exempt Equipment)". This table is a list of insignificant activities (exempt equipment) at the facility that are exempt from permit based on a size or production rate exemption in Rule 23, "Exemptions From Permit". Insignificant Activity is defined in Rule 33.1 (Part 70 Permits – Definitions). The permittee shall provide calculations, usage records, emission records, and/or operational data as necessary to substantiate an activity as insignificant.

This table is presented for informational purposes only. Any changes to this list are not considered to be permit modifications, nor is the list considered to be enforceable. As detailed in Rule 33.2.A.3, this list is required to be submitted with an application for permit reissuance. The general requirements listed in Section No. 9 of this permit may apply to these insignificant activities.

Ventura County Air Pollution Control District

INSIGNIFICANT ACTIVITIES (EXEMPT EQUIPMENT)

Part 70 Permit No. 01491

INSIGNIFICANT ACTIVITIES (EXEMPT EMISSION UNITS)	BASIS FOR EXEMPTION (Size/Production Rate)	RULE 23 CITATION
Portable Emergency Drilling Generator	Portable Emergency Engine (Portable is defined as residing at a stationary source for less than 12 consecutive months)	23.D.7.c
Skimmer Power Pack	Portable engine used for emergency purposes, engine maintenance operation < 50 hours per year	23.D.7.c
Wipecleaning Operation	ROC content ≤ 25 grams per liter	23.F.10.b

7. SPECIFIC APPLICABLE REQUIREMENTS (ATTACHMENTS)

As discussed in Section No. 2, "Permitted Equipment and Applicable Requirements Table", the emissions units at this stationary source listed in the table have requirements that are specifically applicable to them. The applicable requirements are based on the District's prohibitory rules, federal NSPS (40 CFR Part 60), federal NESHAPS (40 CFR Part 61), and federal NESHAPS/MACT (40 CFR Part 63).

In this section of the permit, the permit conditions that are associated with each specific applicable requirement are listed in an individual attachment. The attachment is identified with the label "Attachment (APCD Rule No. or CFR No.) #" in the lower left corner. Each attachment has an applicability section that describes how and why this attachment applies to the specific emissions unit. The attachment may apply to one or more of the emissions units listed in the Permitted Equipment and Applicable Requirements Table in Section No. 2.

M:\TITLEV\ATTACH\PERMIT7.DOC

Ventura County Air Pollution Control District
Rule 71.1.B.1.a Applicable Requirements
Tanks Equipped with Vapor Recovery

Rule 71.1, "Crude Oil Production and Separation"
Adopted 06/16/92, Federally-Enforceable

Rule 74.10, "Components at Crude Oil and Natural Gas Production and Processing Facilities"
Adopted 03/10/98, Federally-Enforceable

Applicability:

This attachment applies to tanks at this stationary source equipped with a vapor recovery system which directs all vapors to a fuel gas system, a sales gas system, or to a flare. Specifically, this attachment applies to all storage tanks in a tank battery including wash tanks, produced water tanks, and wastewater separators, that are used in the production, gathering, storage, processing, and separation of crude oil and natural gas from any petroleum production permit unit prior to custody transfer. This attachment does not apply to portable tanks or other tanks not equipped with vapor recovery.

A tank is defined as a container, constructed primarily of nonearthen materials, used for the purpose of storing or holding petroleum material, or for the purpose of separating water and/or gas from petroleum material. A tank battery is defined as any tank or aggregation of tanks. An aggregation of tanks is considered a tank battery only if the tanks are located so that no one tank is more than 150 feet from any other tank, edge to edge.

The tank's hatches and other inlet and outlet liquid and gas piping connections are considered to be components subject to the leak requirements of APCD Rule 74.10, "Components at Crude Oil and Natural Gas Production and Processing Facilities".

Conditions:

1. Pursuant to Rule 71.1.B.1.a, all tanks shall be equipped with a properly installed, maintained and operated vapor recovery system. The vapor disposal portion of the vapor recovery system shall consist of either a system which directs all vapors to a fuel gas system, a sales gas system, or to a flare that combusts reactive organic compounds.

2. Pursuant to Rule 71.1.D.2, the vapor recovery provisions of Rule 71.1.B.1.a shall not apply during maintenance operations on vapor recovery systems or tank batteries, including wash tanks, produced water tanks and wastewater separators, if the Air Pollution Control District is notified verbally at least 24 hours prior to the maintenance operation and if the maintenance operation will take no more than 24 hours to complete.

3. The tank's hatches and other inlet and outlet gas and liquid piping connections are components subject to the leak requirements of Rule 74.10, "Components at Crude Oil and Natural Gas Production and Processing Facilities".

4. On a quarterly basis, permittee shall monitor the storage tank vapor recovery system to ensure that compliance with Rule 71.1.B.1.a is being maintained. This shall include an inspection of the following components, as applicable, for proper operation: gas compressor, hatches, relief valves, pressure regulators, flare. Permittee shall keep dated records of the quarterly inspections and tank maintenance activities. These records shall be maintained at the facility and submitted to the District upon request.

5. On an annual basis, permittee shall certify that storage tanks at the facility are complying with Rule 71.1.B.1.a. This annual compliance certification shall include verifying that the tanks are equipped with a vapor recovery system.

M:\TITLEV\Attachments updated\71N1.doc

Ventura County Air Pollution Control District
Rule 71.1.B.3 Applicable Requirements
Portable Tank Requirements

Rule 71.1, "Crude Oil Production and Separation"
Adopted 06/16/92, Federally-Enforceable

Rule 74.10, "Components at Crude Oil and Natural Gas Production and Processing Facilities"
Adopted 03/10/98, Federally-Enforceable

Applicability:

This attachment applies to tanks designated on the Permit to Operate as portable, and used in the production, gathering, storage, processing, and separation of crude oil and natural gas from any petroleum production permit unit prior to custody transfer. A portable tank is defined as a tank that can be moved from one location to another by attachment to a motor vehicle without having to be dismantled. A tank is further defined as a container, constructed primarily of nonearthen materials, used for the purpose of storing or holding petroleum material, or for the purpose of separating water and/or gas from petroleum material. A tank battery is defined as any tank or aggregation of tanks. An aggregation of tanks is considered a tank battery only if the tanks are located so that no one tank is more than 150 feet from any other tank, edge to edge.

The tank's hatches and other inlet and outlet liquid and gas piping connections are considered to be components subject to the leak requirements of APCD Rule 74.10, "Components at Crude Oil and Natural Gas Production and Processing Facilities".

Conditions:

1. Pursuant to Rule 71.1.B.3, portable tanks used to store or hold crude oil shall be equipped with both a closed cover that is impermeable to ROC vapors and a pressure-vacuum valve set by the manufacturer or according to the manufacturer's recommendations. A portable tank shall be defined as a tank that can be moved from one location to another by attachment to a motor vehicle without having to be dismantled.

2. Pursuant to Rule 71.1.D.1.c, the vapor recovery provisions of Rule 71.1.B.1 shall not apply to portable tanks if all of the following conditions are met:

    a. The portable tank is not used to increase the storage capacity of an existing tank battery.

b. The portable tank is not located within 150 feet of a tank battery that is subject to the vapor recovery provisions of Rule 71.1.B.1.

c. The portable tank is being used during maintenance activity at a tank battery or well and has not held or stored crude oil for more than 60 days.

3. The tank's hatches and other inlet and outlet gas and liquid piping connections are components subject to the leak requirements of Rule 74.10, "Components at Crude Oil and Natural Gas Production and Processing Facilities".

4. On an annual basis, permittee shall certify that portable tanks at the facility are complying with Rule 71.1.B.3. This compliance certification shall include verifying the integrity of the roof and pressure-vacuum relief valve.

   For portable tanks that are not permanently located at the facility, permittee shall maintain records to show that the integrity of the roof and pressure-vacuum relief valve were verified when the tank was brought to the facility.

5. Pursuant to Rule 71.1.E.3, any person claiming the exemption of Rule 71.1.D.1.c for any portable tank shall maintain records indicating the number of days the tank has stored or held crude oil during the maintenance operation. In addition, the location of the portable tank relative to a tank battery, and whether the tank was connected to vapor recovery shall be indicated. These records shall be submitted to the District upon request.

\\APCDBULLPEN\DivData\ENG\TITLEV\Attachments updated\711N6.doc

Ventura County Air Pollution Control District
Rule 71.4.B.2 Applicable Requirements
Sumps, Pits, and Ponds With Covers

Rule 71.4, "Petroleum Sumps, Pits, Ponds, and Well Cellars"
Adopted 06/08/93, Federally-Enforceable

Rule 74.10, "Components at Crude Oil and Natural Gas Production and Processing Facilities"
Adopted 03/10/98, Federally-Enforceable

Applicability:

This attachment applies to second or third stage sumps, pits, and ponds at facilities where crude oil or petroleum material is produced, gathered, separated, processed, or stored. The cover's sealing mechanism and other inlet and outlet piping connections are considered to be components subject to the leak requirements of APCD Rule 74.10, "Components at Crude Oil and Natural Gas Production and Processing Facilities".

A sump, pit, or pond is a receptacle, formed primarily of earthen materials, although it may be lined with artificial materials. A sump is further defined as "in continuous use for separating oil, water, sand or other material in petroleum production operations". A pit is further defined as "used to receive intermittent flows of petroleum material or crude oil. Neither a sample box of less than two (2) square feet in horizontal surface area nor a containment berm shall be considered a pit". A pond is further defined as "used to contain produced water from petroleum production processes for disposal or re-use. Ponds are not used for oil/water separation or evaporation".

Conditions:

1. Pursuant to Rule 71.4.B.2, no person shall use a second or third stage sump, pit, or pond unless it is equipped with a properly installed and maintained cover which does not leak, which is impermeable to ROC vapors, and which covers at least 90 percent of the liquid surface area of the sump, pit, or pond. All covers shall be closed at all times except during sampling or attended maintenance operations.

2. Pursuant to Rule 71.4.C.2, the cover requirements of Rule 71.4.B.2 shall not apply during maintenance operations on sumps or pits if the Air Pollution Control District is notified verbally at least 24 hours prior to the maintenance operation, and if the maintenance operation will take no more than 24 hours to complete. Pursuant to Rule 71.4.D.3, any person claiming an exemption from the cover requirements of Rule 71.4.B.2, based on Rule 71.4.C.2, shall maintain records of maintenance to justify the exemption and submit these records to the District upon request.

3. The cover's sealing mechanism and other inlet and outlet piping connections are components subject to the leak requirements of Rule 74.10, "Components at Crude Oil and Natural Gas Production and Processing Facilities". Compliance with Rule 74.10 at sumps, pits, and ponds ensures compliance with the maintenance and leak-free requirements of Rule 71.4.B.2.

4. On an annual basis, permittee shall certify that sumps, pits, and ponds at the facility are complying with Rule 71.4.B.2. This annual compliance certification shall include verifying the integrity of the cover.

\\APCDBULLPEN\DivData\ENG\TITLEV\Attachments updated\714N1.doc

Ventura County Air Pollution Control District
Rule 74.9.D.9 Applicable Requirements
Stationary Diesel-Fired Internal Combustion Engines
Used to Power Cranes and Welding Equipment

Rule 74.9, "Stationary Internal Combustion Engines"
Adopted 11/08/05, Federally-Enforceable

Applicability:

This attachment describes the requirements of APCD Rule 74.9, "Stationary Internal Combustion Engines", and applies to stationary diesel-fired internal combustion engines rated at 50 or more horsepower, and not subject to the provisions of APCD Rule 74.16, "Oilfield Drilling Operations".

As detailed in Rule 74.9.D.9, stationary diesel-fired internal combustion engines used to power cranes and welding equipment are exempt from Sections B, C, and E of Rule 74.9.

Specifically, this attachment applies to diesel engines that are exempt because they are used to power cranes and welding equipment.

Conditions:

1. Pursuant to Rule 74.9.D.9, the provisions of Section B (Requirements), Section C (Engine Operator Inspection Plan), and Section E (Recordkeeping Requirements) of Rule 74.9 shall not apply to stationary internal combustion diesel engines used to power cranes and welding equipment.

2. The engine shall only be used to power a crane or welding equipment.

3. The operator shall maintain data for each engine including the function (usage) of the engine, manufacturer, model number, operator identification number, and location of each engine.

4. Permittee shall perform routine surveillance of the diesel-fired engine to ensure that compliance with Rule 74.9.D.9 is being maintained.

Ventura County Air Pollution Control District
California Airborne Toxic Control Measure For
Stationary Compression Ignition Engines
Engines Used Solely on OCS Platforms

Section 93115, Title 17, California Code of Regulations, Airborne Toxic Control Measure For Stationary Compression Ignition (CI) Engines
Effective 05/19/11

The District is required to implement and enforce the state ATCM. The ATCM is not federally-enforceable.

Applicability:

This attachment describes the requirements of California Airborne Toxic Control Measure (ATCM) For Stationary Compression Ignition (CI) Engines that apply to in-use stationary diesel-fueled CI engines that are operated solely on OCS Platforms. Section 93115.3(h) of the ATCM exempts such engines from the operating requirements and emission standards for new and in-use engines as listed in Sections 93115.6 and 93115.7 of the ATCM. Pursuant to Section 93115.4(a)(8) CARB Diesel Fuel means any diesel fuel that meets the specifications of vehicular diesel fuel, as defined in title 13, CCR, sections 2281 and 2282. The Verification Procedure is defined in Section 93115.4(a)(78).

Conditions:

1. Pursuant to subsection 93115.5(a), as of January 1, 2006, the permittee shall not fuel the engine with any fuel unless the fuel is one of the following:

    a. CARB Diesel Fuel, or
    b. An alternative diesel fuel that is:
        1) biodiesel;
        2) a biodiesel blend that does not meet the definition of CARB diesel Fuel
        3) a Fischer-Tropsch fuel; or
        4) an emulsion of water in diesel fuel; or
    c. any alternative diesel fuel that is not identified in section 93115.5(a)(2) and meets the requirements of the Verification Procedure; or
    d. an alternative fuel; or
    e. CARB Diesel Fuel used with fuel additives that meets the requirements of the Verification Procedure; or
    f. any combination of the above.

2. Pursuant to subsection 93115.10(f)(1), the permittee shall keep records and prepare a monthly summary that shall list and document the nature of use for each of the following:

a. Emergency use hours of operation;
b. Maintenance and testing hours of operation;
c. Type of fuel use in the engines. For engines operated exclusively on CARB Diesel Fuel, the owner or operator shall document the use of CARB Diesel Fuel through the retention of fuel purchase records indicating that the only fuel purchased for supply to an emergency standby engine was CARB Diesel Fuel; or for engines operated on any fuel other than CARB Diesel Fuel, the fuel records demonstrating that the only fuel purchased and added to an emergency standby engine or engines, or to any fuel tank directly attached to an emergency standby engine or engines, meets the requirements of section 93115.5(b).

M:\TITLEV\Attachments updated\ATCM Engine N3 (05-19-11).doc

Ventura County Air Pollution Control District
National Emission Standards for Hazardous Air Pollutants
For Stationary Reciprocating Internal Combustion Engines
Existing Emergency Diesel Engines at an Area Source of HAPs

40 CFR Part 63, Subpart ZZZZ, "National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines" (RICE MACT)

Applicability:

The NESHAP for Stationary Reciprocating Internal Combustion Engines is applicable to all stationary reciprocating internal combustion engines (RICE) at both major and area sources of hazardous air pollutants. The NESHAP is applicable to both compression ignition (CI – diesel) engines and spark ignition (SI – natural gas, landfill gas, gasoline, propane, etc.) engines. The specific conditions below are for existing emergency diesel engines at an area source. An engine is defined as "existing" if it was constructed before June 12, 2006. A stationary source is defined as an "area source" if it is not a major source of HAP (Hazardous Air Pollutants) emissions; meaning the stationary source does not emit or have the potential to emit any single HAP at a rate of 10 tons or more per year or any combination of HAP at a rate of 25 tons or more per year.

Pursuant to Section 63.6640(f) and Section 63.6675, an "emergency engine" is any engine whose operation is limited to emergency situations and required testing and maintenance. An emergency can be the loss of grid power or the stationary source's own power production. An emergency engine may also participate in an emergency demand response program under limited circumstances. Stationary RICE used for peak shaving or as part of a financial arrangement to supply power into the grid, or as a part of a non-emergency demand response program are not considered emergency stationary RICE.

Pursuant to Section 63.6595(a)(1), the permittee must comply with the applicable operating requirements no later than May 3, 2013.

Conditions:

1. Pursuant to Section 63.6603(a), Table 2d, the permittee shall comply with the following operating requirements:

    a. Change oil and filter every 500 hours of operation or annually, whichever comes first. An oil analysis program as described in Section 63.6625(i) can be utilized in order to extend the specified oil change requirement.

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

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

Pursuant to Table 2d, if an emergency RICE is operating during an emergency and it is not possible to perform the above maintenance or if performing the maintenance would otherwise pose an unacceptable risk under federal, state, or local law, the maintenance can be delayed and should be performed as soon as practicable after the emergency has ended or the unacceptable risk has abated. All such maintenance delays shall be reported to the APCD Compliance Division.

2. Pursuant to Section 63.6625(e) and 63.6640(a), Table 6, the permittee shall operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or develop your own plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

3. Pursuant to Section 63.6625(f), the RICE shall be equipped with a non-resettable hour meter.

4. Pursuant to Section 63.6625(h), the permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

5. Pursuant to Sections 63.6640(f) and 63.6675, the permittee shall operate the emergency RICE in compliance with the following requirements:

   a. There is no time limit on the use of emergency stationary RICE in emergency situations. An emergency can be the loss of grid power or the stationary source's own power production.

   b. The use of the engine is limited to 100 hours per calendar year for maintenance checks and readiness testing, emergency demand response, 5% or greater voltage or frequency deviation situations, and up to 50 hours per year for non-emergency situations as detailed in Section 63.6640(f)(4). The 50 hours are to be counted in the 100 hours limit.

   c. The emergency stationary RICE may be operated up to 50 hours per calendar year for peak shaving as part of a financial agreement to supply power into the grid, or as part of a non-emergency demand response program, until May 3, 2014. After May 3, 2014, the 50 hours per year for non-emergency situations can be used to supply power as part of a financial agreement if all of the requirements of Section 63.6640(f)(4)(ii) are met. The 50 hours per year limit is to be counted towards the 100 hours per year limit.

6. Pursuant to Sections 63.6655(e) and 63.655(f), the permittee shall maintain the following records:

   a. Records of maintenance conducted on the stationary emergency RICE.

   b. Records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation.

7. Beginning January 1, 2015, if the engine is contractually obligated to be available for more than 15 hours per year for emergency demand response, 5% or greater voltage or frequency deviation situations, or for non-emergency situations as detailed in Section 63.6640(f)(4)(ii) the engine must use a diesel fuel that meets the requirements in 40 CFR 80.510(b) for non-road diesel fuel. This fuel is commonly known as ultra low sulfur diesel or ULSD. Any diesel fuel purchased (or otherwise obtained) prior to January 1, 2015 may be used until depleted. (Section 63.6604(b))

8. Beginning January 1, 2015, if the engine is contractually obligated to be available for more than 15 hours per year for emergency demand response, 5% or greater voltage or frequency deviation situations, or for non-emergency situations as detailed in Section 63.6640(f)(4)(ii) the permittee is required to compile and submit a report as required by Section 63.6650(h). This report includes, but is not limited to, location information, engine information, hours of operation, and fuel requirement deviations. The first annual report must cover calendar year 2015 and must be submitted no later than March 31, 2016. (Section 63.6650(h))

9. On an annual basis, the permittee shall certify that all engines at this stationary source are operating in compliance with 40 CFR Part 63, Subpart ZZZZ, "National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Engines" (RICE MACT).

Ventura County Air Pollution Control District
National Emission Standards for Hazardous Air Pollutants
for Stationary Reciprocating Internal Combustion Engines
Existing Non-Emergency Diesel Engines
Greater Than 300 HP and Less Than or Equal to 500 HP
at an Area Source of HAPs

40 CFR Part 63, Subpart ZZZZ, "National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines" (RICE MACT)

Applicability:

The NESHAP for Stationary Reciprocating Internal Combustion Engines is applicable to all stationary reciprocating internal combustion engines (RICE) at both major and area sources of hazardous air pollutants. The NESHAP is applicable to both compression ignition (CI – diesel) engines and spark ignition (SI – natural gas, landfill gas, gasoline, propane, etc.) engines. The specific conditions below are for existing non-emergency diesel engines rated greater than 300 HP (horsepower) and less than or equal to 500 HP at an area source. An engine is defined as "existing" if it was constructed before June 12, 2006. A stationary source is defined as an "area source" if it is not a major source of HAP (Hazardous Air Pollutants) emissions; meaning the stationary source does not emit or have the potential to emit any single HAP at a rate of 10 tons or more per year or any combination of HAP at a rate of 25 tons or more per year.

A non-emergency engine is any engine whose operation does not meet the definition of an "emergency engine" as defined in Section 63.6675. Pursuant to Section 63.6675, an "emergency engine" is any engine whose operation is limited to emergency situations and required testing and maintenance. An emergency can be the loss of grid power or the stationary source's own power production. Stationary RICE used for peak shaving or as part of a financial arrangement to supply power into the grid, or as a part of a non-emergency demand response program may not be considered emergency stationary RICE under most circumstances.

Pursuant to Section 63.6595(a)(1), the permittee must comply with the applicable operating requirements no later than May 3, 2013.

Conditions:

1. Pursuant to Section 63.6603(a), Table 2d, and Section 63.6625(h), during periods of startup, the permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations listed in the conditions below apply.

2. Pursuant to Section 63.6603(a), Table 2d, the permittee shall comply with the following operating requirements for non-emergency, non-black start (i.e., black start means to only start up a combustion turbine) CI stationary RICE > 300 HP and ≤ 500 HP, except during periods of startup:

   a. Limit concentration of CO in the stationary RICE exhaust to 49 ppmvd at 15 percent O2; or

   b. Reduce CO emissions by 70 percent or more.

3. Pursuant to Section 63.6604, the permittee shall use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel.

4. Pursuant to Sections 63.6612 and 63.6630, the permittee shall conduct initial performance tests according to Tables 4 and 5. This may include testing pursuant to EPA Method 10 for meeting the CO ppmvd limit or testing with a portable CO and oxygen analyzer for meeting the CO percent reduction limit. The testing is required by October 30, 2013, 180 days after the compliance date of May 3, 2013.

5. Pursuant to Section 63.6625(g), if the unit is not equipped with a closed crankcase ventilation system, the permittee shall install such a system or install an open crankcase filtration emission control system.

6. Pursuant to Section 63.6650 and Table 7, the permittee shall submit semiannual compliance reports. The compliance report shall contain the information specified in Sections 63.6650(c)(1) through (6).

7. Pursuant to Section 63.6655, the permittee shall maintain all applicable records described in Sections 63.6655(a)(1) through (a)(5) and (b)(1) through (b)(3).

8. On an annual basis, the permittee shall certify that all engines at this stationary source are operating in compliance with 40 CFR Part 63, Subpart ZZZZ, "National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Engines" (RICE MACT).

8. PERMIT SPECIFIC CONDITIONS (ATTACHMENTS)

As discussed in Section No. 2, "Permitted Equipment and Applicable Requirements Table", the emissions units at this stationary source listed in the table have requirements that are specifically applicable to them. The applicable requirements are primarily based on Rule 26, "New Source Review" requirements (e.g., BACT and offset requirements), or Rule 29, "Conditions on Permits" requirements (e.g., throughput recordkeeping requirements, specific requirements that limit emissions, etc.). These requirements are in addition to the specific applicable requirements listed in Section No. 7.

In this section of the permit, the permit conditions that are associated with each specific applicable requirement are listed in an individual attachment. The attachment is identified with the label "Attachment PO (Title V Permit No.) PC#" in the lower left corner. Each attachment has an applicability section that describes how and why this attachment applies to the specific emissions unit. The attachment may apply to one or more of the emissions units listed in the Permitted Equipment and Applicable Requirements Table in Section No. 2.

Ventura County Air Pollution Control District
Additional Permit Requirements
Platform Gina Additional Requirements

Rule 26, "New Source Review"

Rule 29, "Conditions on Permits"

For OCS sources, conditions applied pursuant to Rule 26 or Rule 29 are federally enforceable.

Applicability:

This attachment applies to Platform Gina. These requirements are in addition to any other specific or general requirements referenced in this permit.

Conditions:

1. In order to comply with the throughput and consumption limits of this permit, the permittee shall maintain monthly records of throughput and consumption as detailed in Section No. 3, "Permitted Throughput and Consumption Limit Table", of this permit. The monthly records shall be summed for the previous 12 months. Throughput or consumption totals for any of these 12 calendar month rolling periods in excess of the specified limit shall be considered a violation of this permit. This is a general throughput and consumption recordkeeping condition and applies unless another throughput and consumption recordkeeping condition appears in this section of the permit. (Rule 29)

2. The permitted emissions authorized by this permit are based in part on the fugitive emissions from 8 oil wells. This platform currently has 8 slots with oil well completions. An Authority to Construct is required to be obtained from the District prior to drilling in a slot that does not contain an active or shut-in oil well. Emission offsets must also be provided with the submittal of any application to increase the number of wells beyond 8 wells. (Rule 29)

3. Well No. H-2 shall be shall be free flowing, operated on gas lift, or operated with electric motor driven artificial lift equipment. This condition is applied as Best Available Control Technology (BACT). (Rule 26)

4. All diesel fuel consumed in the crane engines, backup generator engines, and boats shall contain 0.05% sulfur by weight, or less. In order to comply with this condition, permittee shall maintain fuel records, or certification from the fuel supplier, documenting the sulfur content of each diesel fuel delivery. (Rule 29)

5. The permitted emissions for crew boats and work boats servicing this OCS Platform shall not exceed the following limits:

	ROC	NOx	PM	SOx	CO
Tons/Year	1.40	23.68	1.41	0.31	4.31

In order to comply with this condition, the permittee shall maintain monthly records of diesel fuel consumption for all crew boats and work boats servicing OCS Platforms Gina and Gilda. Boats not owned by the permittee that are providing emergency oil spill response or training shall not be included in these records. The fuel usage, in gallons, shall be allocated 25% to Platform Gina and 75% to Platform Gilda. The fuel usage figures, in gallons per month, shall be multiplied by the following District approved emission factors, in units of pounds per thousand gallons (lbs/Mgal), and multiplied by the appropriate conversion factors to obtain emissions in units of tons per month:

	ROC	NOx	PM	SOx	CO
Lbs/Mgal	33.15	561.00	33.50	7.50	102.00

Using these emission factors, the annual permitted emissions for the crew and work boats at this platform are equivalent to an annual diesel fuel limitation of 84,400 gallons per year.

The monthly boat emissions shall be summed for the previous 12 months. The emission totals for the previous 12 months in excess of the above limits shall be considered to be a violation of this condition.

This boat emission calculation method is for the purposes of demonstrating compliance with the above permitted emission limits only. If permittee wishes to submit an application to create an ERC (emission reduction credit) from reducing permitted emissions from boats servicing this platform, an analysis shall be submitted with the application, as required by Rule 26.4.E.2, to demonstrate that the emission reduction is real, quantifiable, permanent, enforceable, and surplus. This analysis shall include, but is not limited to, source test data and actual fuel use data on individual boat engines that may be subject to an application for ERCs. (Rules 26 and 29)

6. There are forty nine permitted engines which are used on ten Crew Boats:

"Ryan T"
4 - 510 BHP Diesel Main Engines, Detroit 12V71TI
2 - 75 BHP Diesel Generator Engines, Detroit 3-71
"Luke"
3 - 510 BHP Diesel Main Engines, Detroit 12V71TI
2 - 75 BHP Diesel Generator Engines, Detroit 3-71

"Alan T"
3 - 510 BHP Diesel Main Engines, Detroit 12V71TI
2 - 75 BHP Diesel Generator Engines, Detroit 3-71
"Capt T Lee"
3 - 510 BHP Diesel Main Engines, Detroit 12V71TI
2 - 75 BHP Diesel Generator Engines, Detroit 3-71
"Nicholas L"
3 - 510 BHP Diesel Main Engines, Detroit 12V71TI
2 - 40.2 BHP Diesel Generator Engines, Detroit 3-71
"Kenneth Carl"
2 - 626 BHP Diesel Main Engines, Detroit 16V92N
2 - 54 BHP Diesel Generator Engines, Detroit 3-71
"Patrick"
3 - 510 BHP Diesel Main Engines, Detroit 12V71TI
2 - 75 BHP Diesel Generator Engines, Detroit 3-71
"Peter Mac"
3 - 510 BHP Diesel Main Engines, Detroit 12V71TI
2 - 75 BHP Diesel Generator Engines, Detroit 3-71
"Michael Uhl"
2 - 400 BHP Diesel Main Engines, Detroit 3V71
2 - 75 BHP Diesel Generator Engines, Detroit 3V71
"Isabel L"
3 - 600 BHP Diesel Main Engines, MTU Series 60
2 - 49 BHP Diesel Generator Engines, Isuzu A-4JG1

These ten sets of crew boat engines shall not be used simultaneously for servicing Platform Gina. The permittee shall maintain a log showing the days and hours that each crew boat is in service to Platform Gina. (Rule 29)

7. There are thirty eight permitted engines which are used on eight Work Boats:

"Santa Cruz"
2 - 2000 BHP Diesel Main Engines, Caterpillar 3516B
2 - 245 BHP Diesel Generator Engines, Caterpillar 3306
1 - 515 BHP Diesel Thruster Engine, Caterpillar 3408
"Kenneth Carl"
2 - 626 BHP Diesel Main Engines, Detroit 16V92N
2 - 54 BHP Diesel Generator Engines, Detroit 3-71

"NRC Patriot II"
2 - 626 BHP Diesel Main Engines, Detroit 16V92N
2 - 54 BHP Diesel Generator Engines, Detroit 3-71
"Ryan T"
4 - 510 BHP Diesel Main Engines, Detroit 12V71TI
2 - 75 BHP Diesel Generator Engines, Detroit 3-71
"M/V San Miguel"
2 - 2000 BHP Diesel Main Engines, Caterpillar 3516B
2 - 245 BHP Diesel Generator Engines, Caterpillar 3306
1 - 500 BHP Diesel Thruster Engine, Caterpillar 3408C
"Michael Uhl"
2 - 400 BHP Diesel Main Engines, Detroit 3V71
2 - 75 BHP Diesel Generator Engines, Detroit 3V71
"Isabel L"
3 - 600 BHP Diesel Main Engines, MTU Series 60
2 - 49 BHP Diesel Generator Engines, Isuzu A-4JG1
"Danny C"
2 - 360 BHP Diesel Main Engines, Caterpillar 3406C
1 - 30 BHP Diesel Generator Engine, Shibaura M20CRW2
1 - 47 BHP Diesel Generator Engine, Isuzu 4JB1
1 - 45 BHP Winch Engine, Detroit 2-71

These eight sets of work boat engines shall not be used simultaneously for servicing Platform Gina. The permittee shall maintain a log showing the days and hours that each work boat is in service to Platform Gina. (Rule 29)

8. There are two permitted 70 BHP gasoline engines which are used in one (1) Boom Boat that is operated for use on two platforms, "Gina" and "Gilda". The gasoline usage limit of 500 gallons per year is a limit for combined use on both platforms. These engines have EPA family names of 5SKXM1.302G8. The emission factors are based on the certificate levels in the EPA certification after converting the units of g/KW-hr to g/BHP-hr using a factor of 1.341 KW/HP.

   In order to comply with this condition, the permittee shall maintain monthly records of gasoline fuel consumption for the Boom Boat servicing OCS Platforms Gina and Gilda.

9. Pursuant to Rule 23.F.7, the use of solvents, in addition to the use of coatings, adhesives, lubricants, and sealants, for facility and building maintenance and repair is exempt from permit. However, the use of such materials by contractors for the maintenance and repair of process and industrial equipment is not exempt from permit pursuant to Rule 23.F.7, unless the material is exempted under another specific section of Rule 23. Pursuant to Rule 23.F.6, the use of non-refillable aerosol cans is exempt from permit. Pursuant to Rule 23.F.10, the use of cleaning agents certified by the SCAQMD as Clean Air Solvents

(Rule 23.F.10.a) and the use of cleaning agents that contain no more than 25 grams per liter of ROC as used or applied, and no more than 5 percent by weight combined of methylene chloride, perchloroethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, and chloroform (Rule 23.F.10.b), is also exempt from permit. This permit does not limit the usage of acetone. Acetone is exempt from permit and record keeping requirements, as it is not defined as a reactive organic compound.

In order to substantiate the solvent use exemptions listed above, the permittee shall maintain a list of all exempt solvents used at the stationary source and a reference to the specific permit exemption status.

(Rule 29)

M:\TITLEV\TV Permits\PO1491\Permit III\PC1-311.doc

Ventura County Air Pollution Control District
Flare Additional Requirements

Rule 29, "Conditions on Permits"

Rule 71.1, "Crude Oil Production and Separation"
Adopted 06/16/92, Federally-Enforceable

For OCS sources, conditions applied pursuant to Rule 29 are federally enforceable.

Applicability:

This attachment applies to the 142 MMBTU/Hr flare located on Platform Gina. These requirements are in addition to any other specific or general requirements referenced in this permit.

Conditions:

1. Gas consumption at the flares shall not exceed 16.6 million cubic feet per year for any planned flaring events. This is the same limit listed in Table 3 of this permit.

   There is no limit for emergency use. Emergency use is defined as disposal of process gases in the event of unavoidable process upsets. A planned flaring event includes, but is not limited to, routine flaring to comply with Rule 71.1; or flaring due to planned maintenance performed on wells, equipment, or pipeline by the operator or performed by another operator accepting the produced gas. If a process upset (emergency use) cannot be rectified in a reasonable amount of time, the use of the flare may be determined to be a planned flaring event.

   In order to demonstrate compliance with this condition, the permittee shall maintain records of flare gas consumption. The permittee shall maintain monthly records which differentiate between emergency usage and planned flaring events. The monthly records shall be summed for the previous 12 months. Flare gas combustion totals for planned flaring events for any of these 12 month rolling periods in excess of the specified limit shall be considered a violation of this permit.

2. The flare shall have an individual fuel meter installed to record the amount of natural gas consumed. (Rule 29)

3. The flare shall be equipped and maintained with a continuous pilot or autoignition system to ensure combustion disposal of all excess produced or recovered gases. (Rule 71.1)

4. Permittee shall test the flare's ignition system monthly and shall maintain a monthly record of the flare's ignition system tests and maintenance activities, including the test date and operator's initials. (Rule 71.1)

5. The permittee shall maintain monthly and rolling twelve month records of the total volume (MMCF or MCF) of gas combusted in the flare. Monthly and twelve month rolling records shall be maintained for total flare usage and for planned flaring events (non-emergency use). Emergency usage and planned flaring are defined above. The permittee shall maintain records which differentiate between emergency use and planned flaring events. (Rule 29)

M:\TITLEV\TV Permits\PO1491\Permit III\PC2-311.doc

Ventura County Air Pollution Control District
Backup Utility Generator Additional Requirements

Rule 26, "New Source Review"
Conditions applied pursuant to Rule 26 are Federally Enforceable

Rule 74.9, "Stationary Internal Combustion Engines"
Adopted 11/08/05, Federally-Enforceable

40 CFR Part 63, Subpart ZZZZ, "National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines" (RICE MACT)

Applicability:

This attachment applies to the Backup Utility Generator located on Platform Gina. These requirements are in addition to any other specific or general requirements referenced in this permit.

Conditions:

1. The Backup Utility Generator can be defined as an "emergency engine" and operated pursuant to Attachment 40CFR63ZZZZN3 (Section No. 7) for compliance with 40 CFR Part 63, Subpart ZZZZ, "National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines" (RICE MACT). It is an "emergency engine" for purposes of the RICE MACT because an "emergency" for the RICE MACT can be the loss of grid electricity or the stationary source's own power production.

   In order to be considered an emergency engine for compliance with the RICE MACT, the engine must meet the requirements detailed in Section 63.6640(f) of Subpart ZZZZ as summarized in Attachment 40CFR63ZZZZN3. Section 63.6640(f) limits the engine to 100 hours per calendar year for maintenance checks and readiness testing, emergency demand response, 5% or greater voltage or frequency deviation situations, and up to 50 hours per year for non-emergency situations as detailed in Section 63.6640(f)(4). The 50 hours are to be counted in the 100 hours limit. There is no time limit for actual emergencies.

   The usage of this engine is not considered an emergency engine pursuant to District Rule 23, "Exemptions From Permit," and Rule 74.9, "Stationary Internal Combustion Engines."

2. Annual hours of operation for the backup utility generator shall not exceed 200 hours per year. This limit includes both operation during maintenance activities on the engine and operation during a power interruption directed by the California Independent System

Operator (ISO). This limit does not include emergency operation when electrical power line service has failed.

In order to comply with this condition, the engine shall be equipped with a non-resettable hour meter and the permittee shall maintain a log that differentiates operation during maintenance and power interruption from emergency operation. These records shall be compiled into a monthly total. The monthly operating hour records shall be summed for the previous 12 months. Total operating hours for any of these 12 month periods, excluding emergency operation, in excess of 200 hours per year shall be considered a violation of this condition. (Rules 26, 74.9)

3. Pursuant to Rule 74.9, Sections D.2 and D.3, if the engine is operated less than 200 hours per calendar year, operated during an emergency operation, and/or operated less than 50 hours per year during a maintenance operation it is exempt from the requirements of Rule 74.9, "Stationary Internal Combustion Engines". Emergency operation does not include operation of the backup generator during a contractual power interruption.

   In order to comply with the exemption requirements of Rule 74.9, the engine shall be equipped with a non-resettable totalizing hour meter and the permittee shall record and maintain a log of engine operation hours based on readings from the non-resettable hour meter. The log shall differentiate operation during maintenance and contractual interruption from emergency operation.

M:\TITLEV\TV Permits\PO1491\Permit III\PC3-311.doc

9. GENERAL APPLICABLE REQUIREMENTS (ATTACHMENTS)

The general applicable requirements are broadly applicable requirements that apply and are enforced in the same manner for all subject emissions units or activities. These requirements can normally be adequately addressed in the permit application with minimal or no reference to any specific emissions unit or activity, provided that the scope of the requirement and the manner of its enforcement are clear. Examples of such requirements include those that apply identically to all emissions units at a facility (e.g., source-wide opacity limits), general housekeeping requirements, and requirements that apply identical emissions limits to small units (e.g., process weight requirements).

As detailed in the Title V Permit Reissuance Application, general applicable requirements that apply to this facility were determined. The permit conditions associated with each generally applicable requirement are listed in an individual attachment. The attachment is identified with the label "Attachment (APCD Rule No.) ____" in the lower left corner of each attachment. Each attachment has an applicability section that describes the emissions units to which the attachment applies. Each attachment may apply to one or more of the emissions units listed in the Applicable Requirements Table of Section No. 2. Note that these general applicable requirements may also apply to emissions units not required to be listed in the permit, such as those that are short-term.

Ventura County Air Pollution Control District
Rule 50 Applicable Requirements
Opacity

Rule 50, "Opacity"
Adopted 04/13/04, Federally-Enforceable

Applicability:

This attachment applies to all emissions units at this stationary source.

Conditions:

1. Pursuant to Rule 50.A, permittee shall not discharge into the atmosphere from any single source whatsoever any air contaminants for a period or periods aggregating more than three (3) minutes in any one (1) hour which are as dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, or equivalent to 20% opacity and greater, unless specifically exempted by Rule 50.

2. Permittee shall perform routine surveillance and visual inspections to ensure that compliance with Rule 50 is being maintained. A record shall be kept of any occurrence of visible emissions other than uncombined water greater than zero percent for a period or periods aggregating more than three (3) minutes in any one (1) hour. These records shall include the date, time, and identity of emissions unit. If the visible emissions problem cannot be corrected within 24 hours, permittee shall provide verbal notification to the District within the subsequent 24 hours. These visible emissions records shall be maintained at the facility and submitted to the District upon request.

3. On an annual basis, permittee shall certify that all emissions units at the facility are complying with Rule 50. This annual compliance certification shall include a formal survey identifying the date, time, emissions unit, and verification that there are no visible emissions other than uncombined water greater than zero percent for a period or periods aggregating more than three (3) minutes in any one (1) hour. As an alternative, the annual compliance certification shall include a formal survey identifying the date, time, emissions unit, and verification that there are no visible emissions for a period or periods aggregating more than three (3) minutes in any one (1) hour which are as dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, or equivalent to 20% opacity and greater, as determined by a person certified in reading smoke using EPA Method 9, or any other appropriate test method as approved in writing by the District, the California Air Resources Board, and the U.S. Environmental Protection Agency.

4. Upon District request, opacity shall be determined during routine surveillance and during the annual compliance certification by a person certified in reading smoke using EPA Method 9 or a certified, calibrated monitoring system.

M:\TITLEV\Attachments updated\50.doc

Ventura County Air Pollution Control District
Rule 54.B.1 Applicable Requirements
Sulfur Compounds - Sulfur Emissions at Point of Discharge - OCS

Rule 54, "Sulfur Compounds"
Adopted 06/14/94, Federally-Enforceable

Applicability:

This attachment applies to all emissions units at this OCS (Outer Continental Shelf) stationary source that emit sulfur compounds. This attachment addresses the requirements of Rule 54.B.1 for sulfur emissions at the point of discharge and includes the exemptions of Rule 54 for the unplanned burning of gas for emergency or safety concerns and for the planned burning of gas.

Conditions:

1. Pursuant to Rule 54.B.1.a, no person shall discharge sulfur compounds, which would exist as a liquid or gas at standard conditions, in excess of 300 ppm by volume from any combustion operation, calculated as sulfur dioxide (SO_2) by volume at the point of discharge.

2. Pursuant to Rule 54.B.1.b, no person shall discharge sulfur compounds, which would exist as a liquid or gas at standard conditions, in excess of 500 ppm by volume from any other operation, calculated as sulfur dioxide (SO_2) by volume at the point of discharge.

3. Pursuant to Rule 54.C.1 and 54.C.2, the sulfur dioxide emission limitations of Rule 54.B.1 do not apply to the unplanned burning of gas for emergency or safety concerns, or to the planned burning of gas, provided that all the conditions and requirements of Rule 54.C.1 for unplanned flaring, and Rule 54.C.2 for planned flaring events, have been met. For unplanned flaring, Rule 54.C.1 requires notification, recordkeeping, and reporting as detailed below. For planned flaring events, Rule 54.C.2 requires notification, a planned flaring management plan, recordkeeping, excess emissions fees, and reporting as detailed below.

4. Pursuant to Rule 54.C.1, the sulfur dioxide emission limitations of Rule 54.B.1 do not apply to the unplanned burning of gas for emergency or safety concerns provided all of the conditions of Rule 54.C.1 have been met. These include, but are not limited to, the following conditions:

    a. Permittee shall maintain records or logs of each flaring event as required by Rule 54.C.1.d.

b. Pursuant to Rule 54.C.1.f, the unplanned flaring event shall not exceed 24 hours in duration. If the flaring event exceeds one hour in duration, the operator shall:

1. Notify the District Enforcement Section as soon as reasonably possible, but no later than four hours after its detection by the operator.

2. Within one week after the flaring event, submit a written report to the District Enforcement Section which contains the records required by Rule 54.C.1.d, an estimate of the sulfur emissions, and pictures or descriptions of the equipment or controls that failed.

5. Pursuant to Rule 54.C.2, the sulfur dioxide emission limitations of Rule 54.B.1 do not apply to the planned burning of gas provided all of the conditions of Rule 54.C.2 have been met. These include, but are not limited to, the following conditions:

a. Permittee shall provide a 72 hour written notification to the District Enforcement Section as required by Rule 54.C.2.a.

b. Permittee shall have a planned flare management plan in place and approved by the District Enforcement Section as required by Rule 54.C.2.b.

c. Permittee shall maintain records of the date, time, duration, flare volume and estimated sulfur emissions (as pounds of SO_2) during the entire flaring event as required by Rule 54.C.2.c.

d. Pursuant to Rule 54.C.2.d, permittee shall notify the District Enforcement Section in writing when work is completed. The notice shall include all updated information from the 72 hour notification as detailed in Rule 54.C.2.a.

e. Pursuant to Rule 54.C.2.f, permittee shall provide a written report of excess emissions to the District Enforcement Section no later than 15 days after the end of each calendar year. Permittee shall pay a fee pursuant to APCD Rule 42.N for any excess emissions of SO_2.

6. Permittee shall maintain a representative fuel analysis or exhaust analysis to ensure that compliance with Rule 54.B.1 is being maintained. This analysis shall be provided to the District upon request.

7. Upon District request, sulfur compounds at the point of discharge shall be determined by source testing using EPA Test Method 6, 6A, 6C, 8, 15, 16A, 16B, or South Coast AQMD Test Method 307-94 (Determination of Sulfur in a Gaseous Matrix), as appropriate.

Ventura County Air Pollution Control District
Rule 54.B.2 Applicable Requirements
Sulfur Compounds - Sulfur Dioxide Concentration at Ground Level - OCS

Rule 54, "Sulfur Compounds"
Adopted 06/14/94, Federally-Enforceable

Applicability:

This attachment applies to all emissions units at this OCS (Outer Continental Shelf) stationary source that emit sulfur compounds. This attachment addresses the requirements of Rule 54.B.2 for sulfur emissions at ground or sea level at or beyond the property line of the stationary source and includes the exemptions of Rule 54 for the unplanned burning of gas for emergency or safety concerns and for the planned burning of gas.

Conditions:

1. Pursuant to Rule 54.B.2, no person shall discharge sulfur compounds, which would exist as a liquid or gas at standard conditions, as sulfur dioxide which results in average ground or sea level concentrations at any point at or beyond the property line in excess of 0.25 ppmv averaged over any one hour period, or 0.04 ppmv averaged over any 24 hour period.

2. Pursuant to Rule 54.C.1 and 54.C.2, the sulfur dioxide emission limitations of Rule 54.B.2 do not apply to the unplanned burning of gas for emergency or safety concerns, or to the planned burning of gas, provided that all the conditions and requirements of Rule 54.C.1 for unplanned flaring, and Rule 54.C.2 for planned flaring events, have been met. For unplanned flaring, Rule 54.C.1 requires notification, recordkeeping, and reporting as detailed below. For planned flaring events, Rule 54.C.2 requires notification, a planned flaring management plan, recordkeeping, excess emissions fees, and reporting as detailed below.

3. Pursuant to Rule 54.C.1, the sulfur dioxide emission limitations of Rule 54.B.2 do not apply to the unplanned burning of gas for emergency or safety concerns provided all of the conditions of Rule 54.C.1 have been met. These include, but are not limited to, the following conditions:

    a. Permittee shall maintain records or logs of each flaring event as required by Rule 54.C.1.d.

    b. Pursuant to Rule 54.C.1.f, the unplanned flaring event shall not exceed 24 hours in duration. If the flaring event exceeds one hour in duration, the operator shall:

1. Notify the District Enforcement Section as soon as reasonably possible, but no later than four hours after its detection by the operator.

2. Within one week after the flaring event, submit a written report to the District Enforcement Section which contains the records required by Rule 54.C.1.d, an estimate of the sulfur emissions, and pictures or descriptions of the equipment or controls that failed.

4. Pursuant to Rule 54.C.2, the sulfur dioxide emission limitations of Rule 54.B.2 do not apply to the planned burning of gas provided all of the conditions of Rule 54.C.2 have been met. These include, but are not limited to, the following conditions:

   a. Permittee shall provide a 72 hour written notification to the District Enforcement Section as required by Rule 54.C.2.a.

   b. Permittee shall have a planned flare management plan in place and approved by the District Enforcement Section as required by Rule 54.C.2.b.

   c. Permittee shall maintain records of the date, time, duration, flare volume and estimated sulfur emissions (as pounds of SO_2) during the entire flaring event as required by Rule 54.C.2.c.

   d. Pursuant to Rule 54.C.2.d, permittee shall notify the District Enforcement Section in writing when work is completed. The notice shall include all updated information from the 72 hour notification as detailed in Rule 54.C.2.a.

   e. Pursuant to Rule 54.C.2.f, permittee shall provide a written report of excess emissions to the District Enforcement Section no later than 15 days after the end of each calendar year. Permittee shall pay a fee pursuant to APCD Rule 42.N for any excess emissions of SO_2.

5. Permittee shall maintain a representative fuel analysis or exhaust analysis, along with modeling data or other demonstration to ensure that compliance with Rule 54.B.2 is being maintained. This analysis and compliance demonstration shall be provided to the District upon request.

6. Upon District request, pursuant to Rule 54.D.2, ground or sea level concentrations of SO_2 shall be determined by Bay Area Air Quality Management District Manual of Procedures, Volume VI, Section 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide with the following amendments:

   a. The wind direction shall be continuously measured and recorded to within 5 degrees of arc, and wind speed shall be continuously measured and recorded to

within 0.25 miles per hour (mph) at wind speeds less than 25 mph and with a threshold no greater than 0.2 mph.

b. The meteorological instruments and siting requirements shall comply with the guidelines in "Quality Assurance Handbook for Air Pollution Measurements Systems, Volume IV, Meteorological Measurements," EPA/600/4-90/003.

c. The gas standards shall be restandardized against the reference wet chemical method at a minimum of once every 12 months, or be standardized using National Institute of Standards and Technology (NIST) standard gases.

M:\TITLEV\Attachments updated\54B2OCS.doc

Ventura County Air Pollution Control District
Rule 57.1 Applicable Requirements
Particulate Matter Emissions From Fuel Burning Equipment

Rule 57.1, "Particulate Matter Emissions From Fuel Burning Equipment"
Adopted 01/11/05, Federally-Enforceable

Applicability:

This attachment applies to fuel burning equipment such as boilers, steam generators, process heaters, water heaters, space heaters, flares, and gas turbines. This attachment does not apply to internal combustion engines, jet engine test stands and rocket engine test stands, and rocket propellant testing devices and rocket fuel testing devices. This attachment also does not apply to exhaust gas streams containing particulate matter that was not generated by the combustion of fuel; such exhaust gas streams are subject to Rule 52 and Rule 53.

Conditions:

1. Pursuant to Section B of Rule 57.1, emissions of particulate matter shall not exceed 0.12 pounds per million BTU of fuel input.

   Particulate matter is defined as any material, except uncombined water, that exists in a finely divided form as a liquid or solid at standard conditions. Standard conditions are: a gas temperature of 68 degrees Fahrenheit (20 degrees Celsius) and a gas pressure of 14.7 pounds per square inch (760 mm. Hg) absolute.

2. Upon request of the District Compliance Division, compliance shall be determined by independent source test using CARB Method 5. The total particulate catch shall include the filter catch, probe catch, impinger catch, and the solvent extract, as specified in CARB Method 5. Any other appropriate test method may be used with prior written approval by the District, the California Air Resources Board, and the U.S. Environmental Protection Agency.

3. Periodic monitoring is not necessary to certify compliance with Rule 57.1. To certify compliance, a reference to the Rule 57.B District analysis dated December 3, 1997 is sufficient.

M:\TITLEV\Attachments updated\571 (01-11-05).doc

Ventura County Air Pollution Control District
Rule 64 Applicable Requirements
Sulfur Content of Fuels - Gaseous Fuel Requirements

Rule 64, "Sulfur Content of Fuels"
Adopted 04/13/99, Federally-Enforceable

Applicability:

This attachment applies to all combustion emissions units at this stationary source while the emissions units are combusting gaseous fuels. Rule 64 shall not apply to any flare gas combustion, where no useful energy is produced and which is subject to Rule 54, "Sulfur Compounds".

Conditions:

1. Pursuant to Rule 64, no person shall burn at any time gaseous fuel containing sulfur compounds in excess of 50 grains per 100 cubic feet of gaseous fuel (788 ppmv), calculated as hydrogen sulfide at standard conditions, unless specifically exempted by Rule 64.

2. If only Public Utilities Commission-regulated natural gas, propane, or butane is combusted at this facility, it will be assumed that the permittee is complying with Rule 64 without additional periodic monitoring requirements. Any person claiming this exemption shall maintain records sufficient to substantiate the use of these fuels.

3. If other than Public Utilities Commission-regulated natural gas, propane, or butane is being combusted, the permittee shall analyze the sulfur content of the fuel on an annual basis using South Coast AQMD Method 307-94 - Determination of Sulfur in a Gaseous Matrix or by ASTM D1072-90 (1994), Standard Test Method for Total Sulfur in Fuel Gases.

   Alternatively, when measuring the sulfur content of landfill or oilfield gaseous fuel, permittee may use the colormetric method ASTM D 4810-88 (Reapproved 1994) or the ASTM D4084-94 (Lead Acetate Reaction Rate Method) and may assume that the hydrogen sulfide content of the fuel gas adequately represents the total sulfur content. However, if the sulfur content as measured by ASTM D4810-88 or ASTM D4084-94 equals or exceeds 200 ppmv, then only South Coast AQMD Method 307-94 or ASTM D1072-90 (1994) shall be used to determine compliance.

   The applicable ranges of some ASTM methods mentioned above are not adequate to measure the levels of sulfur in some fuel gases. Dilution of samples before analysis may be used subject to the verification of the dilution ratio.

Permittee may use the colormetric method ASTM D 4810-88 (Reapproved 1994) for the measurement of the sulfur content of gaseous fuels other than landfill or oilfield gas only if written approval has been granted by the District and by US EPA.

4. Monitoring of the sulfur content of landfill or oilfield gaseous fuel by the permittee shall be at least quarterly if any of the following conditions apply:

   a. Any sulfur measurement exceeds 394 ppmv, calculated as hydrogen sulfide at standard conditions.

   b. A stationary source is new.

   c. The permittee has not reported historical measurements of hydrogen sulfide of the landfill or oilfield gaseous fuel performed within the previous three years in writing to the District for a stationary source.

   An operator may have the sulfur content of landfill or oilfield gaseous fuel monitored annually only, instead of quarterly, by satisfying the following provisions:

   a. During four consecutive calendar quarters, each sulfur content measurement shall not exceed 394 ppmv, calculated as hydrogen sulfide at standard conditions, and

   b. Submit a written request to the District for a reduction in monitoring frequency. This request shall contain backup documentation including monitoring reports that document the above provision. Requests for a reduction in monitoring frequency are not effective until written approval by the District is received by the operator.

   This annual fuel analysis, and the quarterly analyses if applicable, shall be maintained at the facility and a copy of the annual analysis shall be provided to the District with the annual compliance certification.

M:\TITLEV\Attachments updated\64B1(4-13-99).doc

Ventura County Air Pollution Control District
Rule 64 Applicable Requirements
Sulfur Content of Fuels - Liquid Fuel Requirements

Rule 64, "Sulfur Content of Fuels"
Adopted 04/13/99, Federally-Enforceable

Applicability:

This attachment applies to all combustion emissions units at this stationary source while the emissions units are combusting liquid fuels. This attachment does not apply to any combustion emission unit with sulfur emission controls.

Conditions:

1. Pursuant to Rule 64, no person shall burn any liquid fuels with a sulfur content in excess of 0.5 percent, by weight, unless specifically exempted by Rule 64.

2. If only ARB-quality reformulated gasoline or ARB-certified diesel fuel is combusted at this facility, it will be assumed that the permittee is complying with Rule 64 without additional periodic monitoring requirements. Any person claiming this exemption shall maintain records sufficient to substantiate the use of these fuels.

3. If other than ARB-quality reformulated gasoline or ARB-certified diesel fuel is being combusted, for each liquid fuel delivery permittee shall either obtain the fuel supplier's certification, or shall test the sulfur content of the fuel using ASTM Method D4294-98 or D2622-98, to ensure that compliance with Rule 64 is being maintained. For liquid fuels, operators of electric power generation units may use the sampling and analysis methods prescribed in Code of Federal Regulations 40CFR Part 75 Appendix D.2.2. The fuel supplier's certification may be provided once for each purchase lot, if records are kept of the purchase lot number of each delivery.

   The fuel sulfur content by weight data shall be maintained at the facility and shall be provided with the annual compliance certification.

M:\TITLEV\Attachments updated\64B2(4-13-99).doc

Ventura County Air Pollution Control District
Rule 71.1.C Applicable Requirements
Crude Oil Production and Separation - Produced Gas

Rule 71.1, "Crude Oil Production and Separation"
Adopted 06/16/92, Federally-Enforceable

Rule 74.10, "Components at Crude Oil and Natural Gas Production and Processing Facilities"
Adopted 03/10/98, Federally-Enforceable

Applicability:

This attachment applies to the emissions of produced gas from equipment used in the production, gathering, storage, processing, and separation of crude oil and natural gas from any petroleum production unit prior to custody transfer. Specifically, this attachment applies to gas collection systems that are hard-piped and closed systems that direct all produced gas to a fuel or sales gas system or to a flare.

Conditions:

1. Pursuant to Rule 71.1.C.1, the emissions of produced gas shall be controlled at all times using a properly maintained and operated closed system that directs all gas, except gas used in a tank battery vapor recovery system, to one of the following:

   a. A fuel or sales gas system
   b. A flare that combusts reactive organic compounds

2. Pursuant to Rule 71.1.C.2, the provisions of Rule 71.1.C.1 shall not apply to wells which are undergoing routine maintenance, or to exploratory wells (during the first two weeks of production) if the composition of the produced gas is unknown (i.e., new reservoir) and there are no existing gas handling systems within 150 feet of the well.

3. Permittee shall annually certify the produced gas collection system to ensure that compliance with Rules 71.1.C.1 is being maintained. This annual certification shall include a visual inspection assuring that the produced gas collection system is a closed system.

4. If a flare is used to control the produced gas, permittee shall inspect the flare on a quarterly basis to ensure that it is operating properly. A record of these inspections shall be maintained at the facility and shall be submitted to the District upon request.

5. The gas collection system's gas and liquid piping connections are components subject to the leak requirements of Rule 74.10, "Components at Crude Oil and Natural Gas Production and Processing Facilities". Compliance with Rule 74.10 at the gas collection system ensures compliance with the maintenance requirements of Rule 71.1.C.1.

M:\TITLEV\Attachments updated\711C.doc

Ventura County Air Pollution Control District
Rule 71.4.B.1 Applicable Requirements
First Stage Sump Prohibition

Rule 71.4, "Petroleum Sumps, Pits, Ponds, and Well Cellars"
Adopted 06/08/93, Federally-Enforceable

Applicability:

This attachment applies to any first stage production sump at this stationary source. A first stage production sump is a sump that receives a stream of petroleum material directly from wells or a field gathering system. A sump is a receptacle, formed primarily of earthen materials, although it may be lined with artificial materials. A sump is further defined as "in continuous use for separating oil, water, sand, or other material in petroleum production operations".

Conditions:

1. Pursuant to Rule 71.4.B.1, no person shall install, maintain, or operate a first stage production sump. A first stage production sump is a sump that receives a stream of petroleum material directly from wells or a field gathering system.

2. In order to ensure that compliance with Rule 71.4.B.1 is being maintained, permittee shall annually certify that there are no first stage production sumps at the facility.

M:\TITLEV\Attachments updated\714B1.doc

Ventura County Air Pollution Control District
Rule 71.4.B.3 Applicable Requirements
Well Cellar Storage Prohibition

Rule 71.4, "Petroleum Sumps, Pits, Ponds and Well Cellars"
Adopted 06/08/93, Federally Enforceable

Applicability:

This attachment applies to any well cellar at this stationary source. This attachment addresses the requirements of Rule 71.4.B.3 which prohibits the storage of crude oil or petroleum material in a well cellar. Rule 71.4 applies to well cellars at facilities where crude oil or petroleum material is produced, gathered, separated, processed, or stored.

A well cellar is a lined or unlined area around one or more oil wells, allowing access to the wellhead components for servicing and/or installation of blowout prevention equipment.

Conditions:

1. Pursuant to Rule 71.4.B.3, no person shall store crude oil or petroleum material in a well cellar except during periods of equipment maintenance or well workover. In no case shall storage occur for more than five (5) calendar days.

2. Pursuant to Rule 71.4.C, the provisions of Rule 71.4 shall not apply to well cellars used in an emergency, if clean-up procedures are implemented within 24 hours after each emergency occurrence and if clean-up procedures are completed within fifteen (15) calendar days.

3. Permittee shall perform routine surveillance and visual inspections of well cellars to ensure that compliance with Rule 71.4.B.3 is being maintained.

4. Pursuant to Rule 71.4.D.2, any person storing crude oil in a well cellar during periods of equipment maintenance or well workover shall maintain records, which may include but are not limited to, workover invoice documents, indicating the date(s) the material was stored in the well cellar or the date(s) of workover activity. These records shall be submitted to the District upon request.

M:\TITLEV\Attachments updated\714B3.doc

Ventura County Air Pollution Control District
Rule 74.6 Applicable Requirements
Surface Cleaning and Degreasing

Rule 74.6, "Surface Cleaning and Degreasing"
Adopted 11/11/03, Federally-Enforceable

Applicability:

This attachment applies to all solvent cleaning activities at this stationary source, except those activities listed in Condition No. 11 that are exempt pursuant to Section E of Rule 74.6. This attachment does not apply to substrate surface preparation regulated by other APCD surface coating, adhesive, ink, resin, and solvent rules. "Solvent" is defined as any ROC-containing liquid used to perform solvent cleaning. "Solvent cleaning" is defined as the use of organic solvent to remove loosely held uncured adhesives, uncured inks, uncured coatings, uncured resins, and other contaminants which include, but are not limited to, dirt, soil, lubricants, coolant, moisture, grease, and fingerprints, from parts, tools, machinery, equipment, and general work areas.

This attachment also contains requirements, pursuant to Rule 74.6, for cold cleaners. A cold cleaner is defined in Rule 74.6 as any batch operated equipment designed to contain liquid solvent that is operated below the solvent's boiling point to carry out solvent cleaning operations. A specific type of cold cleaner is a "remote reservoir cold cleaner" which is a device in which solvent is moved through a sink-like work area for cleaning parts and drains immediately, without forming a pool, through a single drain hole less than 100 square centimeters (15.5 square inches) in area into an enclosed container that is not accessible for soaking parts. The freeboard height for remote reservoir cold cleaners is the distance from the top of the solvent drain to the top of the tank.

This attachment does not apply to solvent cleaning where an emission control system is used pursuant to Rule 74.6.B.5 or where an alternative cleaning system is used pursuant to Rule 74.6.B.6. Pursuant to APCD Rule 23.F.7, solvents used by the permittee for facility, ground, and building maintenance and repair are exempt from the requirement to have a permit. However, unless exempted by Rule 74.6.E, such solvents are required to comply with Rule 74.6.

Conditions:

1. Pursuant to Rule 74.6.B.1, no person shall perform solvent cleaning using solvent that exceeds the following limits:

    a. Solvents used for application equipment cleanup, and all other cleanup of uncured coatings, adhesives, inks, or resins, shall not exceed an ROC content of 900 grams per liter and an ROC composite partial pressure of 33 mmHg at 20^{o}C, as applied.

b. Solvents used for cleaning of electronic components, electrical apparatus components, medical devices, or aerospace components shall not exceed an ROC content of 900 grams per liter and an ROC composite partial pressure of 33 mmHg at 20°C, as applied.

c. Solvents used for cleaning for purposes other than those listed in (a) and (b) above shall not exceed an ROC content of 25 grams per liter, as applied.

2. Pursuant to Rule 74.6.B.2, no person shall perform solvent cleaning using a solvent with an ROC content greater than 25 grams per liter unless one of the following cleaning devices or methods is used:

a. Wipe cleaning where solvent is dispensed to wipe cleaning materials from containers that are kept closed to prevent evaporation, except while dispensing solvent or replenishing the solvent supply;

b. Non-atomized solvent flow, dip, or flush method where pooling on surfaces being cleaned is prevented or drained, and all solvent runoff is collected in a manner that enables solvent recovery or disposal. The collection system shall be kept closed to prevent evaporation except while collecting solvent runoff or emptying the collection system;

If the cleaning method has a solvent capacity more than one gallon, a cold cleaner or remote reservoir cold cleaner meeting the equipment and operating requirements of Condition Nos. 8, 9, and 10 of this attachment (Sections C and D of Rule 74.6) shall be used to comply with this requirement.

c. Application of solvent from a hand held spray bottle, squirt bottle or other closed container with a capacity of one liter or less;

d. A properly used enclosed gun washer or low emission spray gun cleaner.

3. Pursuant to Rule 74.6.B.3.a, no person shall allow liquid cleaning solvent to leak from any equipment or container.

4. Pursuant to Rule 74.6.B.3.b, no person shall specify, solicit, supply, or require any cleaning solvent or solvent cleaning equipment intended for uses governed by Rule 74.6 if such use would violate Rule 74.6. This prohibition applies to all written and oral contracts under which solvent cleaning operations subject to Rule 74.6 are to be conducted at any location in Ventura County.

5. Pursuant to Rule 74.6.B.3.c, no person shall use more than one gallon per week of

solvents containing methylene chloride, perchloroethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, or chloroform, or any combination of these solvents, in a total concentration greater than 5 percent by weight, for cold cleaning except in a cold cleaner operated in accordance with National Emission Standards for Halogenated Solvent Cleaning, 40 CFR Parts 9 and 63, Subpart T, Sections 63.460 through 63.469 (Degreasing MACT Standards). Any person that uses the above solvent in quantities less than one gallon per week shall maintain records of the volume and formulation of such solvent on an as-used basis (recording use each day such material is used). Records shall be saved for at least five (5) years from the date of each record and shall be made available to District personnel upon request.

6. Pursuant to Rule 74.6.B.4.a, all ROC-containing solvents shall be stored in non-absorbent, non-leaking containers that shall be kept closed at all times except when filling or emptying.

7. Pursuant to Rule 74.6.B.4.b, waste solvent and waste solvent residues shall be disposed of in a manner conforming with Division 20, Chapter 6.5 of the California Health and Safety Code.

8. Pursuant to Rule 74.6.C.1, all cold cleaners, except remote reservoir cold cleaners, shall be equipped with the following devices:

   a. A drying rack suspended above the solvent, or other facility for draining cleaned parts such that the drained solvent is returned to the cleaner.

   b. A cover that prevents the solvent from evaporating when not processing work in the cleaner. If high volatility solvent is used, the cover must be a sliding, rolling, or guillotine (bi-parting) type that is designed to easily open and close, or it must be designed to be easily operated with one hand. A high volatility solvent is an unheated solvent with an ROC composite partial pressure of greater than 2 mmHg @ 20°C.

   c. A freeboard height of at least 6 inches (15.2 centimeters), if low volatility solvent is used. A low volatility solvent is an unheated solvent with an ROC composite partial pressure of 2 mmHg or less @ 20°C.

   d. At least one of the following control devices, if high volatility solvent is used:

      1. A freeboard height such that the freeboard ratio is at least 0.75.
      2. A water cover if the solvent is insoluble in and heavier than water.

   e. A permanent conspicuous mark locating the maximum allowable solvent level that conforms with the applicable freeboard height requirement in Condition No. 8.c or 8.d.1.

f. A permanent conspicuous label or sign summarizing the applicable operating requirements appropriate for cold cleaning operations.

9. Pursuant to Rule 74.6.C.2, remote reservoir cold cleaners shall be equipped with the following devices:

a. A permanent conspicuous label or sign summarizing the applicable operating requirements appropriate for cold cleaning operations.

b. A sink-like work area that is sloped sufficiently towards the drain to preclude pooling of solvent.

c. A single drain hole, less than 100 square centimeters (15.5 square inches) in area, for the solvent to flow from the sink into the enclosed reservoir.

d. A freeboard height of at least 6 inches (15.2 centimeters).

e. A cover for the drain when no work is being processed in the cleaner and high volatility solvent is used. If low volatility solvent is used, a cover is not required.

10. Pursuant to Rule 74.6.D, any person who operates a cold cleaner shall conform to the following operating requirements:

a. The operator shall drain cleaned parts of all solvent until dripping ceases to ensure that the drained solvent is returned to the cleaner.

b. Solvent agitation, where necessary, shall be achieved using pump recirculation, a mixer, or ultrasonics. Air agitation shall not be used.

c. If a solvent flow is utilized, only a solid fluid stream (not a fine, atomized, or shower type spray) shall be used.

d. The pressure of the solvent flow system shall be such that liquid solvent does not splash outside the container.

e. No person shall remove or open any required device designed to cover the solvent unless work is being processed in the cleaner or maintenance is being performed on the cleaner.

f. The cleaning equipment and emission control equipment shall be operated and maintained in proper working order.

g. The cleaning of porous or absorbent materials such as cloth, leather, wood, or rope is prohibited. This provision shall not apply to paper gaskets or paper filters.

11. Pursuant to Rule 74.6.E.1, Rule 74.6 (all requirements of this permit attachment) shall not apply to:

a. Cleaning activities using Clean Air Solvent, or a solvent with an ROC-content no more than 25 grams per liter as applied. A "Clean Air Solvent" is a solvent certified by the South Coast Air Quality Management District as a Clean Air Solvent.

b. The use of up to 160 fluid ounces of non-refillable aerosol cleaning products per day, per facility.

c. Janitorial cleaning including graffiti removal.

d. Cleaning carried out in vapor degreasers or motion picture film cleaning equipment.

e. Any cleaning device or mechanism regulated by National Emission Standards for Halogenated Solvent Cleaning, 40 CFR Parts 9 and 63, Subpart T, Sections 63.460 through 63.469 (Degreasing MACT Standards).

f. Cleaning operations subject to any of the following rules:

Rule 74.3, Paper, Fabric and Film Coating Operations
Rule 74.5.1, Petroleum Solvent Dry Cleaning
Rule 74.5.2, Synthetic Solvent Dry Cleaning
Rule 74.19, Graphic Arts Operations
Rule 74.19.1, Screen Printing Operations
Rule 74.21, Semiconductor Manufacturing

g. Stripping of cured coating (e.g.; stripping), cured adhesive (e.g.; debonding, unglueing), cured ink, or cured resin.

h. The use of solvent for purposes other than solvent cleaning activities.

12. Pursuant to Rule 74.6.E.2, Rule 74.6.B.1 (Condition No. 1 of this attachment) shall not apply to:

a. Cleaning operations required to comply with any ROC content and/or composite vapor pressure limit in any of the following rules:

Rule 74.12, Surface Coating of Metal Parts and Products
Rule 74.13, Aerospace Assembly and Component Manufacturing Operations
Rule 74.14, Polyester Resin Material Operations
Rule 74.18, Motor Vehicle and Mobile Equipment Coating Operations
Rule 74.20, Adhesives and Sealants

Rule 74.24, Marine Coating Operations
Rule 74.24.1, Pleasure Craft Coating Operations
Rule 74.30, Wood Products Coatings

b. Cleaning of ultraviolet lamps used to cure ultraviolet inks coatings, adhesives or resins.

c. Cleaning of solar cells, laser hardware, scientific instruments, or high-precision optics.

d. Cleaning conducted in laboratory tests and analyses including quality assurance/quality control applications, or bench scale or short-term (less than 2 years) research and development programs.

e. Removal of elemental sodium from the inside of pipes and lines.

f. Cleaning of mold release compounds from molds.

g. Cleaning of tools used to cut or abrade cured magnetic oxide coatings.

h. Cleaning of aerospace assembly and subassembly surfaces that are exposed to strong oxidizers or reducers such as nitrogen tetroxide, liquid oxygen or hydrazine.

i. Cleaning of paper gaskets.

j. Cleaning of clutch assemblies where rubber is bonded to metal by means of an adhesive.

k. Cleaning of hydraulic actuating fluid from filters and filter housings.

l. Removal of explosive materials and constituents from equipment associated with manufacturing, testing or developing explosives.

m. Manufacturing cleaning of nuts and bolts designed for automotive racing applications, in a cold cleaner complying with Sections C and D of Rule 74.6 using solvent with an ROC content no more than 900 grams per liter and a ROC composite partial pressure no more than 5 mm Hg @ 20C.

n. Cleaning of precision–lapped mechanical seals in pumps that handle liquefied gasses, in a cold cleaner complying with Sections C and D of Rule 74.6 using solvent with an ROC content no more than 900 grams per liter and a ROC composite partial pressure no more than 5 mm Hg @ 20C.

o. Facilitywide use of less than 1 gallon per week of non-compliant solvent where compliant solvents are not available. Any person claiming this exemption shall maintain records of the volume and formulation of non-compliant solvent used on an as-used basis (recording use each day such material is used). Records shall be saved for at least five (5) years from the date of each record and shall be made available to District personnel upon request.

13. Pursuant to Rule 74.6.E.3, Rule 74.6 Sections B.1 and B.2 (Condition Nos. 1 and 2 of this attachment) shall not apply to aircraft engine gas path cleaning or stationary gas turbine gas path cleaning using solvent with an ROC content of 200 g/l or less, as applied.

14. Pursuant to Rule 74.6.F, the permittee shall maintain a current material list showing each ROC containing material used in solvent cleaning activities. The list shall summarize the following information:

a. Solvent name and manufacturer's description.

b. All intended uses of the solvent at the facility, classified as follows:

1. Cleanup, including application equipment cleaning, or
2. Cleaning of electronic components, electrical apparatus components, medical devices, or aerospace components, or
3. Solvent used pursuant to an exemption in Rule 74.6.E (specify the exemption claimed).

c. The ROC content in units of grams per liter of material (and ROC composite partial pressure in units of mm Hg @ 20C, if applicable) of the solvent.

d. If the solvent is a mix of materials blended by the operator, a record of the mix ratio.

This information shall be made available to District personnel upon request.

15. Permittee shall maintain the above records and perform routine surveillance of the applicable solvent cleaning activities to ensure that compliance with Rule 74.6 is being maintained. Upon request of the District, compliance with Rule 74.6 shall be determined using the following methods:

a. Pursuant to Rule 74.6.G.1, the ROC content of materials shall be determined by EPA Test Method 24 (40 CFR Part 60, Appendix A).

b. Pursuant to Rule 74.6.G.4, the identity of components in solvents shall be determined using manufacturer's formulation data or by using ASTM E168-67, ASTM E169-87, or ASTM E260-85.

c. Pursuant to Rule 74.6.G.5, ROC composite partial pressure of a solvent shall be calculated using a widely accepted published source such as: Boublik, T., V. Fried and E. Hala, "The Vapor Pressure of Pure Substances," Elsevier Scientific Publishing Co., New York (1973), Perry's Chemical Engineers Handbook, McGraw-Hill Book Company, CRC Handbook of Chemistry and Physics, Chemical Rubber Publishing Company (1986-1987), and Lange's Handbook of Chemistry, John A. Dean, editor, McGraw-Hill Book Company (1985). The true vapor pressure of a component in a solvent mix may be determined by ASTM Method D2879-86. The ROC composite partial pressure of a solvent mix consisting entirely of ROC may be determined by ASTM Method D2879-86.

d. Pursuant to Rule 74.6.G.6, the active and passive solvent losses from spray gun cleaning systems shall be determined using South Coast Air Quality Management District's "General Test Method for Determining Solvent Losses from Spray Gun Cleaning Systems" dated October 3, 1989. The test solvent for this determination shall be any lacquer thinner with a minimum vapor pressure of 105 mm Hg at 20°C. The minimum test temperature shall be 15°C.

e. Pursuant to Rule 74.6.G.7, initial boiling point of solvent shall be determined by ASTM 1078-78 or by using a published source such as listed in Rule 74.6.G.5.

\\APCDBULLPEN\DivData\ENG\TITLEV\Attachments updated\746 (11-11-03).doc

Ventura County Air Pollution Control District
Rule 74.10 Applicable Requirements
Components at Crude Oil and Natural Gas Production and Processing Facilities

Rule 74.10, "Components at Crude Oil and Natural Gas Production and Processing Facilities"
Adopted 03/10/98, Federally Enforceable

Applicability:

This attachment applies to the crude oil and gas production facilities, pipeline transfer stations, and to natural gas processing facilities, at this stationary source. This attachment summarizes the fugitive leak and leak inspection requirements of Rule 74.10.

A crude oil and gas production facility is defined as an onshore or offshore facility at which crude petroleum and natural gas production and handling are conducted, as defined in the SIC Code as Industry No. 1311, Crude Petroleum and Natural Gas. A pipeline transfer station is defined as a facility that handles the transfer or storage of crude oil in pipelines. A natural gas processing facility is defined as a facility engaged in the separation of natural gas liquids from field gas and/or fractionation of the liquids into natural gas products, such as ethane, propane, butane, and natural gasoline. Excluded from the definition are compressor stations, dehydration units, sweetening units, field treatment, underground storage facilities, liquefied natural gas units, and field gas gathering systems unless these facilities are located at a natural gas processing plant. This attachment does not apply to petroleum refineries.

Conditions:

1. Pursuant to Rule 74.10.B, the operator shall identify all leaking components that cannot be immediately repaired. This identification shall consist of readily visible labels, tags, or other such system approved by the APCO, in writing, that enables the District and the operator to locate and identify each leaking component. Identification tags and labels shall remain visible for at least one year from the date attached.

   As detailed in Rule 74.10.K.14, a leak is defined as any major gas leak, minor gas leak, major liquid leak or minor liquid leak. A leak is not a gaseous emission from a pneumatic control valve if it occurs when the valve is in the act of opening or closing. As detailed in Rule 74.10.K.3, a component is defined as any valve, stuffing box, dump lever arm, open ended line, fitting, pump seal, compressor seal, pressure relief valve, diaphragm, hatch, sight glass or meter. As detailed in Rule 74.10.K.16, a leak repair is any corrective action taken for the purposes of reducing a component leak to the lowest achievable level or at least below 1,000 ppmv for gas leaks and three drops per minute for liquid leaks using the best modern practices.

2. Pursuant to Rule 74.10.C.1, hatches shall be closed at all times except during sampling, adding of process material through the hatch, or attended maintenance operations.

3. Pursuant to Rule 74.10.C.2, no person shall use a component that emits a major gas leak, major liquid leak or minor liquid leak and the applicable maximum leak threshold for that component category, as listed in Attachment 1 of Rule 74.10, has been exceeded at the facility in any calendar quarter. The provisions of Rule 74.10.C.2 shall not apply to components that are tagged and repaired in accordance with Rules 74.10.D and 74.10.F.

   For the purpose of complying with the operating requirements in Rule 74.10.C.2, any fugitive emissions leak originating at a tank seam, broken pipe or any other nondesigned opening in a process unit shall be considered an "other component" leak for the purpose of Attachment 1 of Rule 74.10.

   A major gas leak, major liquid leak, and minor liquid leak are defined in Subsections K.17, K.18, and K.20 of Rule 74.10, respectively.

4. Pursuant to Rule 74.10.D.1, at natural gas processing plants, operators shall inspect with or without instrumentation all accessible operating pump seals, compressor seals, and pressure relief valves in service for leaks or indications of leaks once during every operating shift or every eight-hour period, whichever is greater.

5. Pursuant to Rule 74.10.D.2, at oil and gas production facilities and pipeline transfer stations, operators shall inspect with or without instrumentation all operating pump seals, compressor seals, pressure relief valves in service, and polished rod stuffing boxes for leaks or indications of leaks as follows:

   a. Inspection frequency at manned facilities shall be at least once per day except when operators do not report to work at a facility at any time during that day.

   b. Inspection frequency at unmanned facilities shall be at least once per week.

6. Pursuant to Rule 74.10.D.3, any gaseous leaks or indications of gaseous leaks discovered by inspection, that cannot be immediately repaired, shall be measured using EPA Method 21. The operator shall perform this leak measurement as follows:

   a. For leaks detected during normal business hours, the leak measurement shall be performed as soon as feasible but no later than 24 hours after detection. If this 24 hour deadline occurs on a weekend or holiday, then the deadline is shifted to the end of the next normal business day.

   b. For leaks detected during holidays, weekends or after business hours, the leak measurement shall be performed as soon as feasible but no later than the end of

the next normal business day.

7. Pursuant to Rule 74.10.D.4, immediately after being placed into service, an operator shall inspect all new, replaced or repaired fittings, including flanges and threaded connections, for leaks using EPA Method 21.

8. Pursuant to Rule 74.10.D.5, operators shall inspect all components, except for the following, at least every calendar quarter for gaseous leaks using EPA Method 21.

   a. Inaccessible components or unsafe to monitor components shall be inspected for leaks by the operator at least annually using EPA Method 21.

   b. Threaded connections and flanges shall be inspected for leaks by the operator using EPA Method 21 annually, unless the operator has designated them in the Operator Management Plan as exempt from all inspection requirements and subject to a zero leak threshold.

9. Pursuant to Rule 74.10.D.6, a pressure relief valve shall be inspected using EPA Method 21 within 3 calendar days after every known pressure release.

10. Pursuant to Rule 74.10.D.7, upon detection, operators shall affix a visible, weatherproof tag to all leaking components awaiting repair. The tag shall remain affixed until the component is repaired free of leaks as shown by re-inspection.

    If the leak is gaseous, the operator shall include the following on the tag: date and time of leak detection, date and time of leak measurement; and the concentration (ppmv) measured using EPA Method 21.

    If the leak is liquid, the operator shall include the following on the tag: date and time of leak detection; and whether leak is minor or major.

    A tag may also be some other system approved in writing by the APCO that demonstrates to District personnel that the operator has detected a component leak awaiting repair and contains all of the information required to be on tags by Rule 74.10.D.7.

11. Pursuant to Rule 74.10.D.8, notwithstanding the requirements of Rule 74.10.D.5, operators may inspect components annually instead of quarterly at a facility by satisfying all the following provisions, except that compressor seals, pressure relief valves, polished rod stuffing boxes, and pump seals shall not be eligible for this reduction in inspection frequency:

    a. During 4 consecutive calendar quarters, successfully operate and maintain all components at the facility so that no more than 0.5 percent of the total

components inspected, excluding polished rod stuffing boxes, have liquid leaks or major gas leaks that have not been immediately repaired.

b. A Notice of Violation from the District for a violation of Rule 74.10.C.2 was not received by the operator for the facility during the previous twelve months.

c. Submit a written request to the District for a reduction in inspection frequency. This request shall contain backup documentation including inspection reports that demonstrates that the above performance level in Rule 74.10.D.8.a has been achieved. Requests for a reduction in inspection frequency are not effective until written approval by the APCO is received by the operator.

12. Pursuant to Rule 74.10.D.9, an annual inspection frequency approved in Rule 74.10.D.8 shall revert to the inspection frequency specified in Rule 74.10.D.5 should the sum of liquid leaks and major gas leaks, not including leaks from polished rod stuffing boxes, exceed 0.5 percent of the total components inspected per inspection period or should the operator receive a Notice of Violation from the District for violation of Rule 74.10.C.2 for that facility.

13. Pursuant to Rule 74.10.E.1, each operator shall submit an Operator Management Plan to the APCO for approval. If the APCO fails to respond to the Plan in writing within 90 days after it has been received, then it shall be deemed approved. No provision in the Plan, approved or not, shall conflict with or take precedence over any provision of this rule. The Plan shall identify any component exempt from this rule or part of this rule, and describe the procedures which the operator intends to use to comply with the requirements of this rule. The Plan shall include:

a. Establishment of a data base of every leaking component that cannot be immediately repaired. The following parameters shall be included:

1) Identification number, name or code.

2) Component type, process unit and location.

3) Dates found leaking and repair description for each leak found.

This identification provision is for inspection, repair, replacement and recordkeeping purposes.

b. Identification of critical process units.

c. Identification of components for which exemption from Rule 74.10 is being claimed under Rule 74.10.G.1. Gaseous streams and liquid streams, exempted by

Rule 74.10, Subsections G.1.a, G.1.b, G.1.c, or G.1.e shall be verified by analysis of the ROC concentrations, and the results of such analyses shall be included.

d. Identification of liquid streams or components for which exemption is being claimed from the operator inspection requirements under Rule 74.10.G.3. The results of any testing used to qualify a stream for exemption shall be included.

e. Whether flanges or threaded fittings are exempt from all inspection requirements and subject to a zero leak threshold or whether flanges or threaded fittings are subject to annual inspection requirements and a one percent leak threshold as specified in Attachment 1 of Rule 74.10.

f. The inspection schedule to be followed.

g. Identification and description of any known hazard which may affect the safety of APCD personnel.

h. Identification of unmanned production facilities, if applicable.

14. Pursuant to Rule 74.10.E.2, the operator shall be required, upon written request by the APCO, to re-qualify, by analysis, the exemption(s) from the rule or part of the rule (Rule 74.10.G.1 and 74.10.G.3) if the exemption(s) may no longer be valid based on the changed composition of the process stream. The results of that analysis and any modification to the Plan shall be submitted to the District within 90 calendar days after receipt of the District request.

15. Pursuant to Rule 74.10.E.3, if the exempt status of a component is affected by a revision to Rule 74.10, then the Plan shall be modified accordingly by June 10, 1998.

16. Pursuant to Rule 74.10.E.4, existing operator management plans shall be updated no later than September 10, 1998, to include any provision that is needed to show compliance with Rule 74.10.

17. Pursuant to Rule 74.10.E.5, beginning September 10, 1998, each operator shall submit to the APCO, for approval in writing, an annual report to update the Operator Management Plan by no later than January 30 of each year. This report shall include any changes to exemptions, inspection schedule, or any other changes to the inspection and maintenance program. If no changes to the Plan have occurred over the past 12 months, then the operator shall indicate this in the annual report.

If the APCO fails to respond to the Plan update in writing within 90 days after it has been received, then it shall be deemed approved. No provision in the Plan, approved or not, shall conflict with or take precedence over any provision of Rule 74.10.

18. Pursuant to Rule 74.10.F.1, the operator shall minimize all component leaks immediately if feasible but no later than 1 hour following detection during normal business hours. Component leaks detected during holidays, weekends and after business hours shall be immediately minimized if feasible but not later than the next normal business day.

19. Pursuant to Rule 74.10.F.2, any noncritical component found leaking shall be replaced or repaired to a leak free condition, within the time periods in Table 1 of Rule 74.10. For gaseous leaks, the repair period shall start at the time of leak measurement. For liquid leaks, the repair period shall start at the time of leak detection. If the Table 1 deadline for repairing any major gas leak or any liquid leak falls on a Saturday, Sunday or holiday, then the deadline shall be shifted to the next normal business day.

20. Pursuant to Rule 74.10.F.3, the operator shall re-inspect repaired or replaced components for leaks as soon as practicable using EPA Method 21, but not later than one calendar month after the date on which the component is repaired.

21. Pursuant to Rule 74.10.F.4, any component leak identified by District personnel shall be repaired and inspected as required by Rule 74.10.F.

22. Pursuant to Rule 74.10.F.5, any open-ended line found to be leaking shall be sealed with a blind flange, cap, plug, or a second closed valve at all times except during operations requiring process fluid flow through the open-ended line or valve. If a second closed valve is used, the process side valve shall be closed first, after the completion of any operations requiring flow through the open-ended valve.

23. Pursuant to Rule 74.10.F.6, for major gas leaks (>50,000 ppm) or major liquid leaks from any critical compressor seal, pump seal, pressure relief valve or valve that cannot be repaired within the repair periods set forth in Table 1 of Rule 74.10, the operator shall replace or retrofit the leaking component with Best Available Control Technology (BACT) equipment, as approved by the APCO in writing, within one year from the date of leak detection, or during the next critical process unit shutdown, whichever occurs first.

    For gas leaks less than or equal to 50,000 ppm or minor liquid leaks from critical components, or for leaks from critical components other than compressor seals, pump seals, pressure relief valves or valves, the owner or operator shall successfully repair or replace all leaking components within one year from leak detection or during the next critical process unit shutdown, whichever occurs first.

    The operator shall notify the District in writing within 3 months after detecting a major gas leak (> 50,000 ppm) or major liquid leak from a critical compressor seal, pump seal, pressure relief valve, or valve if such leak cannot be repaired within the repair periods set

forth in Table 1 of Rule 74.10.

24. Pursuant to Rule 74.10.F.7, for a compressor seal, pump seal, pressure relief valve or valve that emits a total of 5 major leaks within a continuous 12 month period, the operator shall replace or retrofit the leaking component with BACT equipment, as approved by the APCO in writing, within one year from date of leak detection. The operator shall notify the District in writing within 3 months after a compressor, pump, pressure relief valve, or valve has had 5 major leaks in the previous 12 months.

25. Pursuant to Rule 74.10.G.1, the requirements of Rule 74.10 shall not apply to the following components that are verified in the Operator Management Plan:

    a. Components, not at natural gas processing plants, with gaseous streams with ROC concentrations of 10 percent, by weight or less.

    b. Components at natural gas processing plants with gaseous streams with ROC concentrations of one percent, by weight or less.

    c. Components, not at natural gas processing plants, in liquid service, with ROC concentrations of 10 percent, by weight or less.

    d. Underground components.

    e. Components exclusively handling fluids if the fluid weight evaporated is 10 percent or less at 150 degrees Celsius.

26. Pursuant to Rule 74.10.G.2, the operator inspection requirements of Rule 74.10.D shall not apply to the following components. All other requirements of this rule shall still apply.

    a. Pump seals, compressor seals, and pressure relief valves that are equipped with a closed-vent system to a vapor recovery system. The vapor disposal portion of the vapor recovery system shall consist of one of the following:

        1) A system which directs all vapors to a fuel gas system, a sales gas system, or a flare that combusts ROC.

        2) Any other system that processes all vapors and has a ROC vapor destruction or removal efficiency of at least 90 percent, by weight.

    b. One-half inch and smaller stainless steel tube fittings that have been determined to be leak-free.

c. Components in vacuum service.

d. Flanges or threaded connections that are designated in the Operator Management Plan as subject to the zero leak threshold specified in Attachment 1 of Rule 74.10.

27. Pursuant to Rule 74.10.G.3, the operator inspection requirements of Rule 74.10, Subsections D.1, D.2, D.4 and D.5 shall not apply to components that are inspected with or without instrumentation on a quarterly basis and are at oil and gas production facilities or pipeline transfer stations that handle liquids with the following properties and specified vapor recovery systems:

a. Liquid having an API gravity of 20 degrees or less after the point of primary separation;

b. Liquid having an API gravity between 20 and 30 degrees which are located either:

1) Downstream of a wellhead equipped with a casing vapor recovery system, provided that the vapor recovery system is operated at a pressure of less than 10 psig; or

2) After the point of primary separation of oil and gas, provided the separation vessel is equipped with a vapor recovery system and is operated at a pressure of less than 25 psig.

28. Pursuant to Rule 74.10.G.4, an owner or operator may petition the APCO for exemption from the replacement or retrofit requirements in Rules 74.10.F.6 and 74.10.F.7 by submitting a cost evaluation for retrofitting or replacing a compressor, pump, pressure relief valve, or valve. Each petition shall include:

a. A cost-effectiveness evaluation conducted in accordance with "BACT Cost-Effectiveness Procedures and Screening Levels for Costs," adopted by the Air Pollution Control Board on December 20, 1988. The cost analysis shall be based on the retrofit cost of the component if a retrofit is feasible. If the component cannot be retrofitted, then the following control option with the lower cost shall be used in the cost analysis:

1) Component replacement with the lowest feasible cost BACT option.

2) Enclosing the component seal and venting to a vapor recovery system.

b. Evidence of costs with written bids from vendors, published price lists, or other verifiable cost information. The potential emission reduction from the component retrofit/replacement shall be based on the ROC emissions over the previous 12

months. ROC emissions from a critical process unit shutdown shall be included if those emissions are associated with a critical leaking component. APCO-approved emission factors or source tests shall be used to quantify emissions.

29. Pursuant to Rule 74.10.H.1, any person subject to Rule 74.10 shall maintain an inspection log. The inspection log shall contain at least the following:

    a. Location, type, description, and name or code of each leaking component inspected that cannot be immediately repaired, and name of associated operating unit.

    b. For liquid leaks that cannot be immediately repaired: Date and time of leak detection and whether leak is major or minor.

    c. For gaseous leaks that cannot be immediately repaired: Date and time of leak detection, date and time of leak measurement, analyzer reading (ppmv) of the leak, and whether the leak is major or minor.

    d. Date that leak referenced in Rule 74.10.H.1.b or Rule 74.10.H.1.c is repaired to a leak-free condition, description of repair action, and date and emission level of re-check.

    e. Identification of leak as critical if the component is critical.

    f. Maintenance and calibration records of appropriate analyzer used in the EPA Method 21 measurements.

30. Pursuant to Rule 74.10.H.2, where a functional pressure relief has been detected, the operator shall record:

    a. Location, operating unit identification, and date of detection.

    b. Date of inspection of the pressure relief device after it was detected, and analyzer reading from EPA Method 21.

31. Pursuant to Rules 74.10.H.3 and 74.10.H.4, the inspection log shall be retained by the operator and shall be made available upon request to District personnel.

32. Pursuant to Rule 74.10.I.1, gaseous leaks from components shall be inspected or determined by EPA Method 21 by using an appropriate analyzer calibrated with methane. The calibration, maintenance, and operation of the appropriate analyzer shall follow the manufacturer's recommendations.

33. Pursuant to Rule 74.10.I.2, the ROC concentration, by weight, of process streams shall be measured by ASTM E168-88 (General Techniques of Infrared Qualitative Analysis), ASTM E169-87 (General Techniques of Ultraviolet Quantitative Analysis), or ASTM E260-85 (Gas Chromatography), or updated versions of these methods approved by EPA and published in the 40 CFR Part 60.

34. Pursuant to Rule 74.10.I.3, weight percentage of evaporated compounds of liquids shall be determined using ASTM Method D 86-82.

35. Pursuant to Rule 74.10.I.4, the API gravity of crude oil shall be determined using ASTM Method D287.

36. Pursuant to Rule 74.10.J, the failure of a person to meet any requirements of Rule 74.10 shall constitute a violation of Rule 74.10. Each leak exceeding the applicable maximum leak threshold in Attachment 1 of Rule 74.10 discovered by District personnel will be considered to be a violation.

M:\TITLEV\Attachments updated\7410(3-10-98).doc

Ventura County Air Pollution Control District
Rule 74.11.1 Applicable Requirements
Rule 74.11.1, Large Water Heaters and Small Boilers

Rule 74.11.1, "Large Water Heaters and Small Boilers"
Federally Enforceable Version Adopted 09/14/99
District Enforceable Version Adopted 09/11/12

This permit attachment lists the requirements of the September 11, 2012 version of the rule. Compliance with this attachment will ensure compliance with both versions of Rule 74.11.1. The permit conditions below, therefore, are federally enforceable. The District-enforceable version of this rule will become federally enforceable when approved by the EPA as part of the SIP.

Applicability:

This attachment applies to all natural gas-fired water heaters, boilers, steam generators or process heaters (units) with a rated heat input capacity greater than or equal to 75,000 BTU/hr and less than 1,000,000 BTU/hr at this stationary source installed after January 1, 2013 and to the future installation of any such unit at this stationary source.

Conditions:

1. Pursuant to Rule 74.11.1.B.1, until January 1, 2014, no person shall sell, offer for sale, or install in Ventura County any new unit with a rated heat input capacity of greater than or equal to 75,000 BTU/hr and less than or equal to 400,000 BTU/hr that does not meet the following criteria:

   a. Oxides of nitrogen emissions shall not exceed 40 nanograms per joule of heat output (93 pounds per billion BTU), or 55 parts per million, and

   b. The unit is certified in accordance with Rule 74.11.1.C.

2. Pursuant to Rule 74.11.1.B.2, after January 1, 2014, no person shall sell, offer for sale, or install in Ventura County any new unit with a rated heat input capacity of greater than or equal to 75,000 BTU/hr and less than or equal to 400,000 BTU/hr that does not meet the following criteria:

   a. Oxides of nitrogen emissions shall not exceed 14 nanograms per joule of heat output (32.5 pounds per billion BTU), or 20 parts per million, and

   b. The unit is certified in accordance with Rule 74.11.1.C.

The oxides of nitrogen emission standard required above (Condition No. 2.a) does not apply to units specifically designed to heat swimming pools, hot tubs, or spas. For such units, oxides of nitrogen emissions shall not exceed 40 nanograms per joule of heat output (93 pounds per billion BTU), or 55 parts per million.

3. Pursuant to Rule 74.11.1.B.3, no person shall sell, offer for sale, or install in Ventura County any new unit with a rated heat input capacity of greater than 400,000 BTU/hr and less than or equal to 1,000,000 BTU/hr that does not meet the following criteria:

   a. Oxides of nitrogen emissions shall not exceed 20 parts per million and carbon monoxide emissions shall not exceed 400 parts per million, and

   b. The unit is certified in accordance with Rule 74.11.1.C.

4. The permittee shall maintain a listing of manufacturer, brand name, model number, heat input rating, and installation date for each water heater, boiler, steam generator and process heater, with a rated heat input capacity greater than or equal to 75,000 BTU/hr and less than 1,000,000 BTU/hr, at this stationary source. Permittee shall submit these identification records for all of these units to the District upon request.

5. On an annual basis, the permittee shall certify that all water heaters, boilers, steam generators and process heaters, with a rated heat input capacity greater than or equal to 75,000 BTU/hr and less than 1,000,000 BTU/hr, at this stationary source are complying with Rule 74.11.1. This annual certification shall include a formal survey identifying each unit and documentation of certification status (pursuant to Rule 74.11.1.C), as required.

M:\TITLEV\Attachments updated\7411.1 (9-11-12).doc

Ventura County Air Pollution Control District
Rule 74.22 Applicable Requirements
Rule 74.22, Natural Gas-Fired Fan-Type Central Furnaces

Rule 74.22, "Natural Gas-Fired Fan-Type Central Furnaces"
Adopted 11/09/93, Federally-Enforceable

Applicability:

This attachment applies to all natural gas-fired, fan-type central furnaces at this stationary source installed after May 31, 1994 and to the future installation of any natural gas-fired, fan-type central furnaces at this stationary source. A fan-type central furnace is a self contained space heater providing for circulation of heated air at pressures other than atmospheric through ducts of more than 10 inches in length that has a rated heat input capacity of less than 175,000 BTU per hour and, for combination heating and cooling units, a rated cooling capacity of less than 65,000 BTU per hour. Natural gas-fired, fan-type central furnaces installed in manufactured housing (mobile homes) are exempt from Rule 74.22.

Conditions:

1. Pursuant to Rule 74.22.B, no person shall install, after May 31, 1994, any natural gas-fired fan-type central furnace:

   a. with NOx (oxides of nitrogen) emissions in excess of 40 nanograms per joule of heat output. (74.22.B.1)

   b. unless it is certified and identified in accordance with Section C of Rule 74.22. (74.22.B.2)

2. Permittee shall maintain a listing of manufacturer, brand name, model number, and heat input rating for each natural gas-fired fan-type central furnace at this stationary source. Permittee shall submit these identification records for all of these furnaces to the District upon request.

3. On an annual basis, permittee shall certify that all natural gas-fired fan-type central furnaces at this stationary source are complying with Rule 74.22. This annual certification shall include a formal survey identifying each natural gas-fired fan-type central furnace; whether it was installed before or after May 31, 1994; and for those furnaces installed after May 31, 1994, information indicating that the certification is contained on the furnace nameplate, or that the furnace is included on a District-provided list of certified furnaces.

10. GENERAL REQUIREMENTS FOR SHORT-TERM ACTIVITIES (ATTACHMENTS)

The general requirements for short-term activities are broadly applicable requirements that apply to temporary activities at the facility (e.g., abrasive blasting, architectural coatings, degassing operations, etc.). These are activities occurring infrequently and for a short duration. Requirements for short-term activities can normally be adequately addressed in the permit application with minimal or no reference to any specific emissions unit, provided that the scope of the requirement and the manner of its enforcement are clear.

As detailed in the Title V Permit Reissuance Application, general applicable requirements for short-term activities that apply to this facility were determined. The permit conditions associated with each requirement for a short-term activity are listed in an individual attachment. The attachment is identified with the label "Attachment (APCD Rule No.) ____" or "Attachment 40CFR61.M" in the lower left corner of each attachment.

Ventura County Air Pollution Control District
Rule 74.1 Applicable Requirements
Abrasive Blasting

Rule 74.1, "Abrasive Blasting"
Adopted 11/12/91, Federally-Enforceable

Applicability:

This attachment applies to short term activities involving any abrasive blasting operation conducted at this facility. Abrasive blasting is the operation of cleaning or preparing a surface by forcibly propelling a stream of abrasive material against that surface. Abrasive materials subject to Rule 74.1 include, but are not limited to, sand, slag, steel shot, garnet or walnut shells.

Conditions:

1. Pursuant to Rule 74.1.B.1.a, all abrasive blasting operations shall be conducted within a permanent building, except for abrasive blasting operations conducted under one or more of the following conditions as detailed in Rule 74.1.B.1.b:

    a. Steel or iron shot/grit is used exclusively

    b. The item to be blasted exceeds eight feet in any dimension

    c. The surface being blasted is situated at its permanent location or no further away from its permanent location than is necessary to allow the surface to be blasted

2. Pursuant to Rule 74.1.B.1.c, any abrasive blasting that is allowed to be conducted outside of a permanent building, and is not exclusively using steel or iron shot/grit, must use one of the following:

    a. Wet abrasive blasting

    b. Hydroblasting

    c. Vacuum blasting

    d. Dry blasting with California ARB certified abrasives

3. Abrasive blasting for pavement marking shall comply with the requirements of Rule 74.1.B.2.

4. Abrasive blasting of stucco and concrete shall comply with the requirements of Rule 74.1.B.3.

5. Packages or containers for abrasives certified in accordance with Section 92530 of the California Code of Regulations used for permissible outdoor blasting shall comply with the labeling requirements of Rule 74.1.B.4.

6. Abrasive blasting operations shall comply with the visible emission standards of Rule 74.1.C.1 and the nuisance prohibition of Rule 74.1.C.2. The visible emission evaluation of abrasive blasting operations shall be conducted in accordance with Section 92400 of the California Code of Regulations.

7. Permittee shall perform routine surveillance and visual inspections of the abrasive blasting operation to ensure that compliance with Rule 74.1 is being maintained. This routine surveillance shall include assuring that operation and equipment requirements are being met, and that there are no opacity violations.

   In addition, for each abrasive blasting operation conducted at the facility, permittee shall maintain records of the following information:

   a. Date of operation

   b. Type of abrasive blasting media used

   c. Identity, size, and location of item blasted

   d. Whether operation was conducted inside or outside a permanent building

   e. California ARB certifications for abrasives used

   These records shall be maintained at the facility and submitted to the District upon request.

M:\TITLEV\Attachments updated\741.doc

Ventura County Air Pollution Control District
Rule 74.2 Applicable Requirements
Architectural Coatings

Rule 74.2, "Architectural Coatings"
Adopted 01/12/10, Federally-Enforceable

Applicability:

This attachment applies to short term activities involving any person who supplies, sells, offers for sale, applies or solicits the application of any architectural coating at this stationary source. An architectural coating is a coating to be applied to stationary structures or their appurtenances at the site of installation, to portable buildings at the site of installation, to pavements, or to curbs. Coatings applied in shop applications or to nonstationary structures, such as airplanes, ships, boats, railcars and automobiles, are not considered to be architectural coatings for the purposes of this rule, nor are adhesives.

This attachment and Rule 74.2 do not apply to architectural coatings that are sold in a container with a volume of one liter (1.057 quart) or less and do not apply to any aerosol coating product.

Conditions:

1. Pursuant to Rule 74.2.B.1, the volatile organic compound (VOC) content of architectural coatings shall not exceed the following standards, as found in Table 2 of Rule 74.2.B.1, unless specifically exempted by Rule 74.2:

    a. The VOC content of flat coatings shall not exceed 50 grams per liter of coating.

    b. The VOC content of nonflat coatings shall not exceed 100 grams per liter of coating.

    c. The VOC content of nonflat-high gloss coatings shall not exceed 150 grams per liter of coating.

    Limits are expressed as VOC Regulatory (unless otherwise specified in Rule 74.2) thinned to the manufacturer's maximum recommendation, excluding colorant added to the tint bases. VOC Regulatory is defined in Rule 74.2.

2. Pursuant to Rule 74.2.B.1, the VOC content of specialty architectural coatings shall not exceed the VOC limits in the Table of Standards in Rule 74.2, unless specifically exempted by Rule 74.2.

    Specifically, the VOC content of industrial maintenance coatings shall not exceed 250 grams per liter of coating.

Limits are expressed as VOC Regulatory (unless otherwise specified in Rule 74.2) thinned to the manufacturer's maximum recommendation, excluding colorant added to the tint bases. VOC Regulatory is defined in Rule 74.2.

3. Pursuant to Rule 74.2.B.4, all architectural coating containers used to apply the contents therein to a surface directly from the container by pouring, siphoning, brushing, rolling, padding, ragging or other means, shall be closed when not in use. These architectural coating containers include, but are not limited to, drums, buckets, cans, pails, trays or other application containers. Containers of any VOC-containing materials used for thinning and cleanup shall also be closed when not in use.

4. Pursuant to Rule 74.2.B.5, no person who applies or solicits the application of any architectural coating shall apply or solicit the application of any coating that is thinned to exceed the applicable VOC limit specified in the Tables in Subsection B.1.

5. Permittee shall perform routine surveillance of the architectural coating operation to ensure that compliance with Rule 74.2 is being maintained. Permittee shall specify the usage of compliant coatings and shall maintain VOC records of coatings used at the stationary source. This information shall be submitted to the District upon request.

6. The VOC content of architectural coatings, along with other specified physical and chemical properties, shall be measured using the testing procedures in Rule 74.2.G.

M:\TITLEV\Attachments updated\742 (01-12-10).DOC

Ventura County Air Pollution Control District
Rule 74.16 Applicable Requirements
Oilfield Drilling Operations on Platform Gina

Rule 74.16, "Oilfield Drilling Operations"
Adopted 01/08/91, Federally-Enforceable

Applicability:

This attachment applies to short term activities involving all oilfield drilling operations. Oilfield drilling operations are defined as activities powered by nonvehicular internal combustion engines for the purpose of drilling or redrilling oil wells, injection wells, or gas wells. For the purpose of Rule 74.16, drilling operations do not include any operations at any existing well where the derrick is a part of an oilwell production service unit, as defined in the California Vehicle Code. Rule 74.16 applies to drill rig engines over 50 HP including, but not limited to, engines supplying power to drawworks, rotary tables, mud pumps, mud mixers and auxiliary generators.

This attachment applies to an oil company, which Rule 74.16 defines as the person contracting the drilling rig and/or the person who applies for an Authority to Construct for the well. The APCD issues portable Permits to Operate to the owners of drilling rigs. The California Air Resources Board Portable Equipment Registration Program (PERP) is not valid on an OCS platform; therefore an APCD Permit to Operate is required for drilling rig engines.

This permit does not authorize the operation of any non-vehicular engine of 50 BHP, or greater, for well drilling or workover operations. Prior to using such an engine, the engine owner shall obtain a Permit to Operate for the engine. A portable engine used to power an emergency drilling generator that is used only when electrical power line fails is exempt from permit pursuant to Rule 23.D.7.

Conditions:

1. Pursuant to Rule 74.16.B.1, all drilling operations shall be powered by grid power, unless exempted by Rule 74.16.C.1. Grid power is defined as electricity conveyed by power lines connected physically and contractually to the Southern California Edison System, or any electricity generated by equipment permitted by the District and having permitted emissions commensurate with an emissions rate of not more than 1.0 pound of NO_x per megawatt-hour of electricity produced.

2. Pursuant to Rule 74.16.C.1, an oil company may petition the Air Pollution Control Officer for exemption from Rule 74.16.B.1 by submitting a cost evaluation for grid powered drilling. Best Available Control Technology cost guidelines shall be used to determine cost effectiveness. As detailed in APCD Rule 44, "Exemption Evaluation

Fee", Rule 44.B.2 requires that any person requesting an exemption from Rule 74.16 that is based on a cost evaluation shall be assessed an evaluation fee of $450.00.

3. Pursuant to Rule 74.16.B.2.a, if a drilling operation is exempt from Rule 74.16.B.1, NOx emissions from drilling engines, or any exhaust stack of multiple engines permanently manifolded together, shall not exceed 515 ppmv corrected to 15% oxygen. As an alternate, pursuant to Rule 74.16.B.2.c, drilling engines certified by the manufacturer to emit 6.9 grams of NOx per brake horsepower-hour or less based on a California ARB approved heavy duty offroad engine testing procedure shall be deemed in compliance with Rule 74.16.B.2.a, and shall not be subject to the annual source test requirements in Rule 74.16.B.2.b.

   In order to comply with this condition, permittee shall ensure that the drilling rig utilized has a valid APCD Permit to Operate and that the drilling rig has demonstrated compliance with Rule 74.16.B.2.a in accordance with CARB Method 100 as detailed in Rule 74.16.E (Test Methods), or has demonstrated compliance with Rule 74.16.B.2.c.

4. In order to demonstrate compliance with Rule 74.16.B.2.a, the drilling rig company shall perform source testing on the drilling engine exhaust annually. Permittee shall obtain from the drilling rig company the most recent source test results for the exempt engines subject to Rule 74.16.B.2.a, or the engine manufacturer certification for engines subject to Rule 74.16.B.2.c. This information shall be made available on site and submitted to the District upon request.

5. Upon District request, the NO_x emissions from the drilling engine exhaust shall be measured using CARB Method 100, in accordance with Rule 74.16.E (Test Methods).

6. In order to demonstrate compliance with Rule 74.16.C.1, permittee shall maintain documentation on the cost analysis as verification to the grid power exemption. This documentation shall be submitted to the District upon request.

M:\TITLEV\TV Permits\PO1491\Permit III\7416N1491.doc

Ventura County Air Pollution Control District
40 CFR Part 61, Subpart M Applicable Requirements
National Emission Standard for Asbestos

40 CFR Part 61, Subpart M, "National Emission Standard for Asbestos"
Federally-Enforceable

Applicability:

This attachment applies to short term activities conducted at this facility pertaining to procedures for asbestos demolition or renovation activities as detailed in 40 CFR Part 61.145.

As defined in 40 CFR Part 61.141, asbestos means the asbestiform varieties of serpentinite (chrysotile), riebeckite (crocidolite), cummingtonite-grunerite, anthophyllite, and actinolite-tremolite. Renovation means altering a facility or one or more facility components in any way, including the stripping or removal of regulated asbestos containing material (RACM) from a facility component. Operations in which load-supporting structural members are wrecked or taken out are demolitions.

Conditions:

1. Permittee shall insure compliance with 40 CFR Part 61 Subpart M, "National Emission Standard for Asbestos". The owner or operator of a demolition or renovation activity, as defined in 40 CFR Part 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR Part 61.145, "Standards for Demolition and Renovation".

2. During times when asbestos renovation or demolition are underway at the facility, permittee shall ensure that all applicable requirements of 40 CFR Part 61.145 are met.

M:\TITLEV\Attachments updated\CFR61M.doc

11. GENERAL PERMIT CONDITIONS

This section contains general Part 70 permit conditions and general APCD permit to operate conditions. The general Part 70 permit conditions are associated with general federal requirements that apply to all Title V facilities. These conditions are based on APCD Rules 8, 30, 32, and 33, and 40 CFR Part 70.

The general permit to operate conditions are associated with general District requirements that apply to all operating Title V facilities. These conditions are based on APCD Rules 19, 20, 22, and 27.

M:\TITLEV\Attachments updated\PERMIT11.doc

Ventura County Air Pollution Control District
General Part 70 Permit Conditions

1. The permittee shall comply with all federally-enforceable conditions of the Part 70 permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of an application for reissuance of the permit. (40 CFR 70.6(a)(6)(i), APCD Rule 33.3.B.1)

2. The permittee shall continue to comply with all the applicable requirements with which the company has certified that it is already in compliance. The permittee shall comply in a timely manner with applicable requirements that become effective during the permit term of this permit.

3. The permittee shall promptly report deviations from Part 70 permit requirements, including those attributable to upset conditions as defined in the Part 70 permit, the probable cause of the deviations, and any corrective actions or preventive measures taken. Promptly is defined as no later than four (4) hours after its detection by such owner or operator, or his agents or employees. (40 CFR 70.6(a)(3)(iii)(B), APCD Rule 33.3.A.3, APCD Rule 32.B.1)

4. The need to halt or reduce activity is not a defense. It shall not be a defense for a permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Part 70 permit. (40 CFR 70.6(a)(6)(ii), APCD Rule 33.3.B.2)

5. All required records, monitoring data, and support information shall be maintained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, and copies of all reports required by the Part 70 permit. All applicable reports shall be submitted to the District every 6 months and shall be certified by a responsible official. Such reports shall identify any deviations from Part 70 permit conditions. (40 CFR 70.6(a)(3)(ii)(B), 40 CFR 70.6(a)(3)(iii)(A), APCD Rule 33.3.A.3)

6. The permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the Part 70 permit or to determine compliance with the Part 70 permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the Part 70 permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of the EPA along with a claim of confidentiality. (40 CFR 70.6(a)(6)(v), APCD Rule 33.3.B.5)

7. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the District or an authorized representative to perform the following:

   a. Enter upon the permittee's premises where a Part 70 source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the Part 70 permit;

   b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the Part 70 permit;

   c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the Part 70 permit; and

   d. As authorized by the federal Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the Part 70 permit or applicable requirements.

   (40 CFR 70.6(c)(2), APCD Rule 8, APCD Rule 33.3.B.7)

8. The Part 70 permit may be modified, revoked, reopened, reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. (40 CFR 70.6(a)(6)(iii), APCD Rule 33.3.B.3)

9. A Part 70 permit shall be reopened under the following conditions:

   a. Additional applicable requirements under the federal Clean Air Act become applicable to the facility with a remaining Part 70 permit term of 3 or more years. Such a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the Part 70 permit is due to expire, unless the original Part 70 permit or any of its terms and conditions has been extended pursuant to APCD Rule 33.6.D;

   b. Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator of the EPA, excess emissions offset plans shall be deemed to be incorporated into the Part 70 permit;

c. The District or EPA determines that the Part 70 permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Part 70 permit; or

d. The Administrator of the EPA or the District determines that the Part 70 permit must be revised or revoked to assure compliance with the applicable requirements.

(40 CFR 70.7(f), APCD Rule 33.8.A)

10. All fees required by District Regulation III, Fees, shall be paid on a timely basis as requested by the District. Notwithstanding the term of the Part 70 permit, if the permittee fails to pay the annual renewal fees required pursuant to APCD Rule 42.H within the time period specified in APCD Rule 30, the Part 70 permit will be void. (40 CFR 70.6(a)(7), APCD Rule 30, APCD Rule 33.3.B.6)

11. The Part 70 permit does not convey any property rights of any sort, or any exclusive privilege. (40 CFR 70.6(a)(6)(iv), APCD Rule 33.3.B.4)

12. The provisions of this Part 70 permit shall be severable, and in the event of any challenge to any portion of the permit, or if any portion is held invalid, the remaining permit conditions shall remain valid and in force. (40 CFR 70.6(a)(5), APCD Rule 33.3.B.8)

13. An application for reissuance of this Part 70 Permit shall be submitted no more than 18 months prior to the expiration date and no less than 6 months prior to the expiration date as stated on this permit. The application shall be subject to the same procedural requirements, including those for public participation and EPA review, that apply to initial Part 70 permit issuance. (40 CFR 70.5(a)(1)(iii), 40 CFR 70.7(c)(1)(i), APCD Rule 33.6.B)

14. Any Part 70 application and any document, including reports, schedule of compliance progress reports, and compliance certification, required by this Part 70 permit shall be certified by a responsible official. The certification shall state that, based on information and belief formed after a reasonable inquiry, the statements and information in the document are true, accurate, and complete (40 CFR 70.5(d), APCD Rule 33.9.C)

15. Permittee shall submit a certification of compliance with all applicable requirements and all Part 70 permit conditions. A compliance certification shall be submitted with any Part 70 permit application and annually, on the anniversary date of the Part 70 permit, or on a more frequent schedule if required by an applicable requirement or permit condition.

This compliance certification shall identify each applicable requirement or condition of the Part 70 permit, the compliance status of the stationary source, whether the compliance was continuous or intermittent since the last certification, and the method(s) used to

determine compliance. In addition, the certification shall indicate the stationary source's compliance status with any applicable enhanced monitoring and compliance certification requirement of the federal Clean Air Act. A copy of each compliance certification shall be submitted to EPA Region IX. (40 CFR 70.5(c)(9), 40 CFR 70.6(c)(5), APCD Rule 33.3.A.9, APCD Rule 33.9.B)

M:\TITLEV\Attachments updated\PART70GN (10-01-02).DOC

Ventura County Air Pollution Control District
General Permit to Operate Conditions

1. Within 30 days after receipt of a permit to operate, the permittee may petition the Hearing Board, in writing, to review any new or modified condition on the permit. (APCD Rule 22)

2. This permit to operate, or a copy, shall be posted reasonably close to the subject equipment and shall be readily accessible to inspection personnel from the District. Posting a copy of the "Permitted Equipment and Applicable Requirements Table" contained in Section No. 2 will fulfill this requirement if the entire permit to operate is readily available at another location at the stationary source. (APCD Rule 19)

3. This permit to operate is not transferable from one location to another unless the equipment is specifically listed as being portable. (APCD Rule 20)

4. If, within a reasonable amount of time, any permittee refuses to furnish information requested by the District, the District may suspend this permit to operate The permittee will be informed, in writing, of the permit suspension and the reasons for the suspension. (APCD Rule 27)

M:\TITLEV\Attachments updated\POGNCN.doc

12. MISCELLANEOUS FEDERAL PROGRAM CONDITIONS

This section contains miscellaneous federal program conditions that are not emission unit-specific or short-term. These federal requirements are broadly applicable requirements that apply and are enforced in the same manner for all subject emissions units or short-term activities. Permit conditions associated with these miscellaneous federal program requirements are listed in an individual attachments. The attachment is identified with the label "Attachment 40CFR(Part No.) __" in the lower left corner of each attachment.

Ventura County Air Pollution Control District
40 CFR Part 55 Applicable Requirements
Outer Continental Shelf Air Regulations

40 CFR Part 55, "Outer Continental Shelf Air Regulations"
Federally-Enforceable

Applicability:

This attachment applies to the stationary source since it is an existing outer continental shelf (OCS) source. 40 CFR Part 55 and related consistency updates detail the District rules that apply to OCS sources. Attachments contained in this permit use the term "Federally-Enforceable OCS Version" to designate those rules that are federally-enforceable at OCS sources via 40 CFR Part 55.

Conditions:

1. Permittee shall comply with 40 CFR Part 55, "Outer Continental Shelf Air Regulations". Permittee shall also comply with Rule 72.1, "Outer Continental Shelf Air Regulations". Rule 72.1 incorporates the following provisions of 40 CFR Part 55:

Section 55.1	Statutory authority and scope
Section 55.2	Definitions
Section 55.3	Applicability
Section 55.4	Requirement to submit a notice of intent
Section 55.5	Corresponding onshore area designation
Section 55.6	Permit requirements
Section 55.7	Exemptions
Section 55.8	Monitoring, reporting, inspections, and compliance
Section 55.9	Enforcement
Section 55.10	Fees
Section 55.13	Federal requirements that apply to OCS sources
Section 55.14 a,b,c	Requirements that apply to OCS sources located within 25 miles of states' seaward boundaries, by state

M:\TITLEV\Attachments updated\CFR55.doc

Ventura County Air Pollution Control District
40 CFR Part 68 Applicable Requirements
Accidental Release Prevention and Risk Management Plans

40 CFR Part 68, "List of Regulated Substances and Thresholds for Accidental Release Prevention"
Federally-Enforceable

Applicability:

This attachment applies to regulated substances that are contained in a process at this facility and that exceed the threshold quantity, as presented in 40 CFR Part 68.130. This regulation addresses the requirements of section 112(r) of the federal Clean Air Act as amended. Specifically, this attachment applies to a facility that has stated that a federal Risk Management Plan pursuant to section 112(r) is currently not required, but where flexibility is desired to preclude a permit reopening should 40 CFR Part 68 become an applicable requirement.

Conditions:

1. Should the stationary source, as defined in 40 CFR Part 68.3, become subject to Part 68, then the owner or operator shall submit a risk management plan (RMP) by the date specified in Part 68.10 and shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 CFR Part 70.

M:\TITLEV\Attachments updated\CFR68.doc

Ventura County Air Pollution Control District
40 CFR Part 82 Applicable Requirements
Protection of Stratospheric Ozone

40 CFR Part 82, "Protection of Stratospheric Ozone"
40 CFR Part 82, Subpart B, "Servicing of Motor Vehicle Air Conditioners"
40 CFR Part 82, Subpart F, "Recycling and Emissions Reduction"
Federally-Enforceable

Applicability:

This attachment applies to activities conducted at this facility that involve producing, importing, exporting, or consuming of the specified controlled substances described under 40 CFR Part 82.4. Specifically, this attachment includes the requirements of 40 CFR Part 82, Subpart B, "Servicing of Motor Vehicle Air Conditioners", and 40 CFR Part 82, Subpart F, "Recycling and Emissions Reduction".

As defined in 40 CFR Part 82.30, 40 CFR Part 82, Subpart B applies to any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner.

As defined in 40 CFR Part 82.150, 40 CFR Part 82, Subpart F applies to any person servicing, maintaining or repairing appliances, except for motor vehicle air conditioners. This subpart also applies to persons disposing of appliances, including motor vehicle air conditioners An appliance is any device which uses a class I or class II substance as a refrigerant and which is used for household or commercial purposes, including any air conditioner, refrigerator, chiller, or freezer.

Conditions:

1. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, "Servicing of Motor Vehicle Air Conditioners".

   The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.

2. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee is subject to all of the applicable requirements as specified in 40 CFR Part 82, Subpart F, "Recycling and Emissions Reduction".

M:\TITLEV\Attachments updated\CFR82.doc

Ventura County Air Pollution Control District
Standards of Performance (NSPS) for
Crude Oil and Natural Gas Production, Transmission and Distribution

40 CFR Part 60, Subpart OOOO, "Standards of Performance (NSPS) for Crude Oil and Natural Gas Production, Transmission and Distribution"

Applicability:

This NSPS applies to all well completions, pneumatic controllers, equipment leaks from natural gas processing plants, reciprocating compressors, centrifugal compressors and storage vessels which are constructed, modified or reconstructed after August 23, 2011 as discussed in more detail below. Well completions subject to the NSPS are limited to the flowback period following hydraulic fracturing operations at an applicable gas well. These applicable completions include those conducted at newly drilled and fractured gas wells, as well as completions conducted following refracturing operations that may occur at various times over the life of the gas well. When a gas well is refractured, the applicability of this NSPS does not by itself trigger applicability beyond the well head to other ancillary components that may be at the well site such as existing storage vessels, compressors, pneumatic controllers, process vessels, separators, dehydrators or any other components or apparatus. Note that the NSPS does not apply to gas wells located on offshore oil platforms in Ventura County. This document summarizes the requirements of the NSPS and is not intended to supersede or conflict with the requirements of the NSPS.

Note that the issuance of this NSPS now includes, incorporates, and / or revises the requirements of 40 CFR Part 60 Subpart KKK, "Standards of Performance for Equipment Leaks of VOC From Onshore Natural Gas Processing Plants", and 40 CFR Part 60 Subpart LLL, "Standards of Performance for Onshore Natural Gas Processing: SO2 Emissions". These NSPS now each have sunset dates of August 23, 2011 and their requirements are now contained in 40 CFR Part 60, Subpart OOOO, "Standards of Performance (NSPS) for Crude Oil and Natural Gas Production, Transmission and Distribution".

Conditions:

1. Gas wells undergoing hydraulic fracturing subject to this NSPS shall comply with Section 60.5375. A gas well or natural gas well is defined as an onshore well drilled principally for production of natural gas. In general, the NSPS requires the use of reduced emissions completions (REC) also known as green completions.

   The drilling of all new oil wells and all new gas wells requires a Ventura County APCD Authority to Construct. In addition, an Authority to Construct shall be obtained prior to refracturing an existing gas well.

2. Centrifugal compressors subject to this NSPS shall comply with Section 60.5380. A centrifugal compressor is defined as any machine for raising the pressure of a natural gas by drawing in low pressure natural gas and discharging significantly higher pressure natural gas by means of mechanical rotating vanes or impellers. Screw, sliding vane, and liquid ring compressors are not centrifugal compressors as defined in this NSPS. In general, the NSPS requires the operators of affected centrifugal compressors to reduce VOC emissions from each centrifugal compressor wet seal fluid degassing system by 95.0 percent or greater. Compressors located at the wellhead or in the transmission, storage and distribution segments are not covered by this NSPS.

   The Ventura County APCD does not require permits for natural gas compressors, but does require permits for an internal combustion engine (in lieu of an electric motor) powering a natural gas compressor. Therefore, this condition authorizes the installation of the equipment necessary to comply with these centrifugal compressor requirements provided that the permittee comply with all the requirements of Section 60.5380, including the required notification, recordkeeping and reporting requirements.

3. Reciprocating compressors subject to this NSPS shall comply with Section 60.5385. A reciprocating compressor is defined as a piece of equipment that increases the pressure of a process gas by positive displacement, employing linear movement of a drive shaft. In general, the NSPS requires the operators of affected reciprocating compressors to replace the rod packing every 26,000 hours or 36 months from the date of initial startup of the reciprocating compressor affected facility. Compressors located at the wellhead or in the transmission, storage and distribution segments are not covered by this NSPS.

   The Ventura County APCD does not require permits for natural gas compressors, but does require permits for an internal combustion engine (in lieu of an electric motor) powering a natural gas compressor. Therefore, this condition authorizes the work necessary to comply with these reciprocating compressor requirements provided that the permittee comply with all the requirements of Section 60.5385, including the required notification, recordkeeping and reporting requirements.

4. Pneumatic controllers subject to this NSPS shall comply with Section 60.5390. A pneumatic controller is defined as an automated instrument used for maintaining a process condition such as liquid level, pressure, delta-pressure and temperature. The requirements apply to pneumatic controllers located (a) in the oil production segment between the wellhead and the point of custody transfer to an oil pipeline; or (b) in the natural gas production segment between the wellhead and the point at which the gas enters the transmission and storage segment. In general, this NSPS requires each pneumatic controller affected facility at a natural gas processing plant to have a natural gas bleed rate of zero standard cubic feet per hour. Each pneumatic controller affected facility between the wellhead and a natural gas processing plant must have a natural gas bleed rate of less than or equal to 6 standard cubic feet per hour. Note that a natural gas

processing plant is defined as any processing site engaged in the extraction of natural gas liquids from field gas, fractionation of mixed natural gas liquids to natural gas products, or both. A Joule-Thompson valve, a dew point suppression valve, or an isolated or stand-alone Joule-Thompson skid is not a natural gas processing plant.

The Ventura County APCD does not require permits for the installation and operation of pneumatic controllers and other components such as valves and flanges. Therefore, this condition authorizes the work necessary to comply with these pneumatic controller requirements provided that the permittee comply with all the requirements of Section 60.5390, including the required notification, recordkeeping and reporting requirements.

5. Storage vessels subject to this NSPS shall comply with Section 60.5395. A storage vessel is defined as a unit that is constructed primarily of nonearthen materials (such as wood, concrete, steel, fiberglass, or plastic) which provides structural support and is designed to contain an accumulation of liquids or other materials. Note that pressure vessels designed to operate in excess of 204.9 kilopascals (29.7 psi) and without emissions to the atmosphere are not considered to be storage vessels. Also, process vessels such as surge control vessels, bottoms receivers, and knockout vessels are not considered to be process vessels.

   In general, the NSPS requires that individual storage vessels with VOC emissions equal to or greater than 6 tons per year achieve at least 95.0 percent reduction in VOC emissions. These requirements do not apply to storage vessels subject to and controlled in accordance with the requirements for storage vessels in 40 CFR Part 60, Subpart Kb, or 40 CFR Part 63, Subparts G, CC, HH, WW, or HHH.

   The Ventura County APCD does require permits for the installation and operation of storage vessels such as crude oil storage tanks, wash tanks, and produced water storage tanks. In addition, these tanks must comply with the vapor recovery requirements of Rule 71.1, "Crude Oil Production and Separation". If a tank that complies with Rule 71.1 has VOC emission of 6 tons per year of more, the permittee shall apply for, and obtain, an APCD Authority to Construct for the equipment necessary to comply with Section 60.5395 of the NSPS.

6. All process units, except compressors, located at an onshore natural gas processing plant subject to this NSPS shall comply with Section 60.5400. A process unit means components assembled for the extraction of natural gas liquids from field gas, the fractionation of the liquids into natural gas products or other operations associated with the processing of natural gas products.

   In general, the NSPS requires a leak detection and repair program for components such as pressure relief devices, pumps and valves that reflects the procedures and leak thresholds established in 40 CFR Part 60, Subpart VVa, the NSPS for Equipment Leaks of VOC in

the Synthetic Organic Chemicals Manufacturing Industry (that is, this NSPS OOOO references out to NSPS VVa). For certain components, a leak is defined as 500 ppm or greater and a first attempt at a repair must be made no later than 5 calendar days after a leak is detected.

The Ventura County APCD does not require permits for the installation and operation of components such as pressure relief devices, pumps, valves and flanges. Therefore, this condition authorizes any work necessary to comply with these leak detection and repair requirements provided that the permittee comply with all the requirements of Section 60.5400, including the required notification, recordkeeping and reporting requirements. Any onshore natural gas processing plant at this facility subject to this NSPS will be specifically addressed elsewhere in this permit, as applicable.

7. Sweetening units at onshore natural gas processing plants subject to this NSPS shall comply with Section 60.5405. A sweetening unit is defined as a process device that removes hydrogen sulfide and / or carbon dioxide from the sour natural gas stream. To qualify as a sweetening unit, there must be sulfur recovery technology with a liquid sulfur accumulation rate. These requirements do not apply to sweetening units located on offshore oil platforms in Ventura County. The requirements also do not apply to devices that remove hydrogen sulfide or carbon dioxide that use replaceable media or units that use membrane separation technology.

   In general, the NSPS requires that the sweetening unit achieve a minimum SO2 reduction efficiency that varies from approximately 74.0% to 99.9% depending on the hydrogen sulfide content of the acid gas and the sulfur feed rate.

   The Ventura County APCD does require an Authority to Construct for the installation of a sweetening unit at both onshore natural gas plants and offshore natural gas plants. Any sweetening unit at this facility subject to this NSPS will be specifically addressed elsewhere in this permit, as applicable.

13. PART 70 PERMIT APPLICATION PACKAGE

The Part 70 permit application, which was submitted by this facility, is included in this section for reference only and is not a part of the Part 70 permit.

During the processing of the permit application, additional information was submitted by the facility in response to District requests. This additional information is included with the application. If the applicant was asked to replace a page or a portion of the application, the original submittal is stamped "REPLACED" and the replacement page or section is placed in front of the original. The applicant and District correspondence for the Part 70 permit application is located in the District permit file for this stationary source.

M:\TITLEV\Attachments updated\PERMIT13.doc