



JUN 28 2010

Gerardo C. Rios, Chief
Permits Office (AIR-3)
U.S. EPA - Region IX
75 Hawthorne St
San Francisco, CA 94105

**Re: Notice of Final Action - Minor Title V Permit Modification
District Facility # N-2107
Project # 1071665**

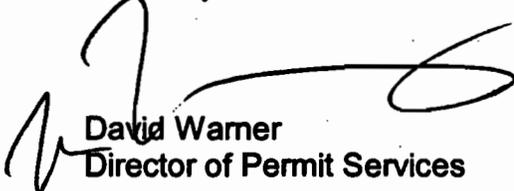
Dear Mr. Rios:

The Air Pollution Control Officer has modified the Title V permit for Darling International, Inc. by incorporating Authorities to Construct (ATC's) N-2107-1-8 and '-1-9. These ATC's authorized the modification of one 48.0 MMBtu/hr boiler to install a Selective Catalytic Reduction (SCR) system for District Rule 4306 compliance and to add denatured yellow grease as a backup fuel (yellow grease with up to 1.0% fuel oil content, by volume).

Enclosed is the modified Title V permit. The application and proposal were sent to US EPA Region IX on April 20, 2010. No comments were received following the District's preliminary decision on this project.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,



David Warner
Director of Permit Services

DW:ddb

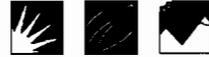
Enclosures

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95358-8718
Tel: (209) 557-6400 FAX: (209) 557-8475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93728-0244
Tel: (559) 230-6000 FAX: (559) 230-8061

Southern Region
34948 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585



JUN 28 2010

William McMurtry
Darling International, Inc.
P O Box 1068
Turlock, CA 95381

**Re: Notice of Final Action - Minor Title V Permit Modification
District Facility # N-2107
Project # 1071665**

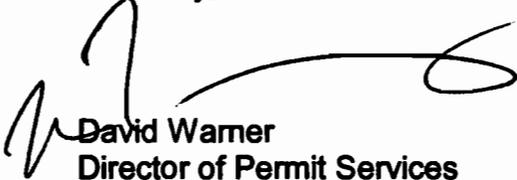
Dear Mr. McMurtry:

The Air Pollution Control Officer has modified the Title V permit for Darling International, Inc. by incorporating Authorities to Construct (ATC's) N-2107-1-8 and '-1-9. These ATC's authorized the modification of one 48.0 MMBtu/hr boiler to install a Selective Catalytic Reduction (SCR) system for District Rule 4306 compliance and to add denatured yellow grease as a backup fuel (yellow grease with up to 1.0% fuel oil content, by volume).

Enclosed is the modified Title V permit. The application and proposal were sent to US EPA Region IX on April 20, 2010. No comments were received following the District's preliminary decision on this project.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,



David Warner
Director of Permit Services

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-2107-1-11

EXPIRATION DATE: 08/31/2009

EQUIPMENT DESCRIPTION:

48 MMBTU/HR NEBRASKA MODEL NS-C-53 NATURAL GAS, DENATURED YELLOW GREASE, OR YELLOW GREASE-FIRED BOILER WITH A TODD MODEL V651G LOW-NOX BURNER, A FLUE GAS RECIRCULATION SYSTEM (FGR), AND A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. The unit shall only be fired on PUC-regulated natural gas, denatured yellow grease, or yellow grease. [District NSR Rule and 4301, 5.2.1, and 40 CFR § 60.42c(d)] Federally Enforceable Through Title V Permit
3. Denatured yellow grease is yellow grease blended with fuel oil No. 2, not to exceed 1.0% fuel oil No.2 by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Permittee shall maintain records of the gallons of fuel oil and yellow grease blended to make the denatured yellow grease fuel. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The maximum amount of denatured yellow grease and yellow grease burned (combined) shall not exceed 6,409 gallons in any given day and 2,231,678 gallons in any given calendar year. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The boiler shall be equipped with a non-resettable, totalizing liquid fuel flow meter to measure the amount of denatured yellow grease and yellow grease burned, in gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The boiler shall be equipped with a non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Except during start-up and shutdown, only when fired on natural gas, exhaust from this unit shall be controlled by the SCR system. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Except during start-up and shutdown, when fired on natural gas, emissions from this boiler shall not exceed any of the following emission limits: 6 ppmv NO_x @ 3% O₂ or 0.0073 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 50 ppmv CO @ 3% O₂ or 0.037 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule, and District Rules 4305, 5.1, and 4306, 5.1] Federally Enforceable Through Title V Permit
10. When fired on denatured yellow grease and yellow grease, emissions from this boiler shall not exceed any of the following limits: 40 ppmv NO_x @ 3% O₂ or 0.052 lb-NO_x/MMBtu, 0.0062 lb-SO_x/MMBtu, 0.005 lb-PM₁₀/MMBtu, 142 ppmv CO @ 3% O₂ or 0.1049 lb-CO/MMBtu, or 0.0056 lb-VOC/MMBtu. [District NSR Rule, and District Rules 4305, 5.1, and 4306, 5.1] Federally Enforceable Through Title V Permit
11. During start-up and shutdown, when fired on natural gas, emissions from this boiler shall not exceed any of the following emission limits: 30 ppmv NO_x @ 3% O₂ or 0.036 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 50 ppmv CO @ 3% O₂ or 0.037 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule, and District Rules 4305, 5.5.6, and 4306, 5.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

12. The total duration of startup and shutdown time shall not exceed any of the following limits: 2.0 hours startup per day, 2.0 hours shutdown per day, or 730 hours total startup and shutdown time per year. [District NSR Rule, and District Rules 4305, 5.5.6, and 4306, 5.3] Federally Enforceable Through Title V Permit
13. The NO_x emissions from this unit shall not exceed 43.5 pounds during any one day. The NO_x emissions shall be determined utilizing the following equation: [(cubic feet of natural gas burned during non-start-up and non-shutdown periods) x (7.3E-6) + (cubic feet of natural gas burned during start-up and shutdown periods) x (3.6E-5) + (combined number of gallons of yellow grease and denatured yellow grease burned) x (6.79E-3)]. [District NSR Rule] Federally Enforceable Through Title V Permit
14. The ammonia emission rate shall not exceed 5.0 ppmvd @ 3% O₂ over a 15 minute averaging period. [District Rule 4102]
15. The concentration of sulfur compounds in the exhaust from this unit shall not exceed 0.2% by volume as measured on a dry basis over a 15 minute period. [District Rule 4801 and Stanislaus County Rule 407] Federally Enforceable Through Title V Permit
16. Source testing to measure denatured yellow grease-combustion for NO_x and CO emissions from this unit shall be conducted within 60 days of initial firing on denatured yellow grease. [District NSR Rule, and District Rule 4102, 4305, 6.3.1, and 4306, 6.3.1] Federally Enforceable Through Title V Permit
17. Source testing to measure natural gas combustion NO_x, CO, and NH₃ emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests when unit is fired on natural gas, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District NSR Rule, and District Rules 4102, 4305, 6.3.1, and 4306, 6.3.1] Federally Enforceable Through Title V Permit
18. Source testing to measure yellow grease combustion NO_x and CO emissions from this unit shall be performed within 60 days of the combined amount of yellow grease and denatured yellow grease usage exceeding 29,877 gallons during any rolling 12-month period unless compliance with yellow grease NO_x and CO emissions has been demonstrated within 12 months prior to the date of the exceedance. After demonstrating compliance on two (2) consecutive source tests when the unit is fired on yellow grease, the unit shall be tested within 60 days of the combined amount of yellow grease and denatured yellow grease usage exceeding 29,877 gallons during any rolling 12-month period unless compliance with yellow grease NO_x and CO emissions has been demonstrated within 36 months prior to the date of the exceedance. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to the rolling 12-month period according to the requirements described above. [District NSR Rule, and District Rules 4102, 4305, 6.3.1, and 4306, 6.3.1] Federally Enforceable Through Title V Permit
19. Source testing to measure PM₁₀ emissions shall be conducted each calendar year boiler fires 720 hours (264,761 gallons) or more on denatured yellow grease and/or yellow grease. Source testing shall be performed using EPA Method 201A or CARB Method 501. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
21. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 5.5.5 and 4306, 5.5.5] Federally Enforceable Through Title V Permit
22. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 5.5 and 4306, 5.5] Federally Enforceable Through Title V Permit
23. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 6.2, and 4306, 6.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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24. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 6.2, and 4306, 6.2] Federally Enforceable Through Title V Permit
25. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 6.2, and 4306, 6.2] Federally Enforceable Through Title V Permit
26. Source testing for ammonia slip shall be conducted utilizing BAAQMD method ST-1B. [District Rule 1081] Federally Enforceable Through Title V Permit
27. Each denatured yellow grease and yellow grease fuel source shall be tested annually for sulfur content value by using ASTM methods D 1072, D 3031, D 4084, D 3246 or grab sample analysis by GC-FPD/TCD performed in the laboratory. The tested fuel sulfur content shall be used to calculate sulfur compounds emissions by use of mass balance technique. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
28. If fuel analysis is used to determine the sulfur content of denatured yellow grease and yellow grease, the fuel higher heating value for denatured yellow grease and yellow grease shall be determined by ASTM D 240 or D 2382 for liquid hydrocarbon fuels. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
29. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
30. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305, 5.4 and 4306, 5.4] Federally Enforceable Through Title V Permit
31. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 5.4 and 4306, 5.4] Federally Enforceable Through Title V Permit
32. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 5.4 and 4306, 5.4] Federally Enforceable Through Title V Permit
33. The permittee shall monitor and record the stack concentration of ammonia (NH₃) at least once during each month in which a source test is not performed. NH₃ monitoring shall be conducted utilizing "short term" tubes or a District approved equivalent method. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
34. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305, 5.5.2, and 4306, 5.5.2] Federally Enforceable Through Title V Permit

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35. The portable analyzer shall be calibrated as recommended by the manufacturer. All instrument calibration data shall be kept on file including the date of calibration. The calibration date shall not exceed 6 months prior to the date the stack concentrations are measured and recorded. [District Rule 4305] Federally Enforceable Through Title V Permit
36. Concentration measurements shall not be taken until the sample acquisition probe has been exposed to the stack gas for at least 150% of the response time. Measurements shall be taken in triplicate. [District Rule 4305] Federally Enforceable Through Title V Permit
37. If water vapor is not removed prior to measurement, the absolute humidity in the gas stream must be determined so that the gas concentrations may be reported on a dry basis. [District Rule 4305] Federally Enforceable Through Title V Permit
38. If water vapor creates an interference with the measurement of any component, then the water vapor must be removed from the gas stream prior to concentration measurements. [District Rule 4305] Federally Enforceable Through Title V Permit
39. Daily and annual records of yellow grease (and denatured yellow grease) consumption consisting of the date the boiler operated on either of these fuels and the amount of either of these fuels that was combusted in the boiler (in gallons) shall be maintained. [District NSR Rule and District Rule 1070] Federally Enforceable Through Title V Permit
40. Daily and annual records of start-up and shutdown durations and number of occurrences of each shall be kept. [District NSR Rule and District Rules 4305, 5.5.6, and 4306, 5.3] Federally Enforceable Through Title V Permit
41. A record of the daily NOx emissions from this unit shall be kept for any day that yellow grease or denatured yellow grease is burned. [District NSR Rule] Federally Enforceable Through Title V Permit
42. The permittee shall maintain records of: (1) the date and time of NOx, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOx and CO concentrations corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 6.1 and 4306, 6.1] Federally Enforceable Through Title V Permit
43. Copies of all natural gas fuel invoices and test results to determine compliance with the conditions of this permit shall be maintained. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
44. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made readily available for District inspection upon request. [District Rules 1070, 4305, 6.1, and 4306, 6.1] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.