



South Coast Air Quality Management District



21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

November 20, 2009

Mr. Gerardo Rios
Chief – Permits Office
U. S. EPA, Region IX
75 Hawthorne Street, Air 3
San Francisco, CA 94105

Dear Mr. Rios:

Subject: MillerCoors, LLC. (ID 155877) – Title V Permit Revision

MillerCoors, LLC. (ID 155877) has proposed to revise their Title V permit. The revision will include modification of an odor control system, and throughput increase for two ethanol storage tanks. MillerCoors is a brewing facility (SIC 2082), and is located at 15801 E. 1st Street, Irwindale, CA 91706. The proposed permit revision is considered a “de minimis significant permit revision” to the facility’s Title V permit. Attached for your review are the evaluation and the proposed permit for the revision. With your expected receipt of the proposed Title V permit revision today, we will note that the EPA 45-day review period begins on November 20, 2009.

If you have any questions or need additional information regarding the proposed permit revision, please call Hassan Namaki at (909) 396-2699.

Very truly yours,

A handwritten signature in black ink, appearing to read "Brian L. Yeh".

Brian L. Yeh
Senior Manager
Chemical/Mechanical Operations

BLY:HN

Attachments

 <p style="text-align: center;"> SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION PERMIT APPLICATION EVALUATION AND CALCULATIONS </p>	PAGES:	PAGE:
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**RECLAIM/TV FACILITY
EVALUATION FOR PERMIT TO
CONSTRUCT AND OPERATE**

APPLICANT'S NAME: MILLERCOORS, LLC

CONTACT PERSON: DONELL HICKS (626) 969-6242

MAILING ADDRESS: 15801 E. 1ST STREET
IRWINDALE, CA 91706

EQUIPMENT ADDRESS: 15801 E. 1ST STREET
IRWINDALE, CA 91706

APPLICATION: 492001, 498002, 498003, and 498004

FACILITY ID: 155877 RECLAIM: YES (NOX) TITLE V: (YES)

APPLICATIONS:

APPLICATION	DESCRIPTION	PREVIOUS APPLICATION AND (PERMIT) NUMBERS	APPLICATION TYPE
492001	RECLAIM/TV AMEND	N/A	CLASS III
498002	ODOR CONTROL SYSTEM		CLASS I (MODIFICATION)
498003	ETHANOL STORAGE TANK		CLASS I (MODIFICATION)
498004	ETHANOL STORAGE TANK		CLASS I (MODIFICATION)

The modification applications are expedited and will be processed on overtime basis.

BACKGROUND:

The facility above is a RECLAIM/TV facility. The applications are for modification of the existing equipment. The facility is located at 15801 E. 1ST Street, Irwindale, CA 91706. The permit applications above will change both section D and H of the facility permit. The odor control equipment is being modified by adding activated carbon vessels at the inlet and outlet of the biofilter

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constructed in series with the existing biofilter. The Ethanol tanks are being modified to allow higher daily throughput for the tanks. These changes will be discussed in detail under separate sections.

FACILITY INFORMATION:

MillerCoors uses conventional brewing techniques to produce beer. The operation at the facility can be grouped into five categories: 1- brewhouse operation, 2- fermentation, 3-aging, 4-packaging, 5-storage and shipping. Manufacturing processes include transfer of raw materials via conveyor piping systems, formation of starches in cereal cooker, malt enzyme conversion in a mash mixer, wort filtration and sparging, decanting, fermentation, rinse, fill and seal for bottles, cans, and kegs, pasteurization, boxing and shipping. MillerCoors has brewing capacity of approximately 7 million barrels per year and packaging capacity of up to ten million barrels per year.

A conventional brewing facility consists of the following:

Storage Silos -The brewing process begins with the preparation of raw materials. Malted barley and corn grits are two of these materials. The raw materials are normally transported in rail car and unloaded at a grain unloading station. The grains are then conveyed to the dedicated storage silos where they are held until needed.

Malt Mill / Malt & Grit Scale Hoppers -The malted barley and corn grits are each conveyed separately to scale hoppers which weigh each material in the correct proportion for the particular product being produced. The malt goes through a preliminary step of milling prior to weighing. This milling process partially crushes the barley husk longitudinally to expose the inner portion of the kernel. This is done to enhance subsequent enzymatic activity.

Cereal Cooker - From the grits scale hopper, the corn grits are conveyed to the cereal cooker, which contains a measured amount of heated process water along with a measured amount of milled barley malt. The materials are mixed together and heated in a programmed manner to soften and release the starches present in the grit and to initiate the enzymatic conversion from starch to fermentable sugar. After a programmed time period, the temperature of the mixture is raised to boiling.

Mash Mixer – From the malt scale hopper, the milled malt is conveyed to the mash mixer containing a measured amount of heated process water. After a programmed “rest” period to soak the malt and activate the enzymatic activity of the malt/water mixture, the hot mixture from the cereal cooker is gradually transferred to the mash mixer and agitated. During the transfer and immediately following, the malt enzymes rapidly convert the cereal starches into fermentable sugars. After the combined mash reaches a predetermined temperature to complete the conversion process, the temperature is raised slightly, which deactivates the enzymatic action of the mixture.

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Lauter Tun – The mash mix (grit, malt, water solution) is gently transferred to the lauter tun where the water soluble materials are extracted from the grain mixture utilizing a sparging process (filtration of the liquid portion of the mash, plus additional heated water through the grain bed). This process completes the extraction of the water soluble sugars (now called “wort”) from the insoluble grains. This process also clarifies the wort. Once the desired clarity is achieved, the wort is transferred to the brew kettle. The remaining solid has no brewing value any more.

Brew Kettle – Once the wort is pumped into brew kettles, the solution is brought to boiling to ensure wort stabilization, flavor development and hop addition, and finally, to concentrate the wort solution through evaporation in preparation for fermentation process.

Hot Wort Tank / Wort Cooling – From The brew kettle, the hot wort is transferred to a closed, vertical tank where the trub (coagulate protein formed during the brew kettle operation) is allowed to settle out from the wort. The clear wort is drawn from the hot wort tank and pumped through wort cooler to cool the solution to the optimal temperature for wort aeration and yeast injection.

Wort Aeration / Yeast Injection – The cooled wort is saturated with oxygen which will enhance the fermentation process. Yeast is then injected into the cooled and aerated wort in required amounts for the particular product being produced.

Fermentation – Fermentation is the process in which the yeast converts the sugars in the wort to alcohol and CO₂ under controlled conditions. Fermentation is largely dependent upon the amount of nutrients present for the yeast, the type of yeast itself, and the processing conditions of the fermentation (time, temperature, pH, and volume of agitation). The CO₂ produced as a by-product in the fermentation process is collected, purified and stored for later injection into other brewery processes. The fermented beer/yeast mixture is pumped out of the fermenter through a transfer tank to the yeast centrifuge. Some yeast may be harvested from designated fermenters for reuse in subsequent fermentations.

Yeast Centrifugation and Primary Filtration –Yeast is removed from the fermented beer by centrifugation. The yeast removed in this manner will be reclaimed and later sold as a by-product. In the meantime, the beer is further clarified by processing through the primary filter which will remove additional yeast and other suspended solids.

Aging –The beer is transferred to aging tanks where the beer is allowed to rest for flavor maturation, product stabilization and carbonation using the purified CO₂ produced during the fermentation process.

Final Filtration –The alcohol content of the aged beer is adjusted with diluents and processed through final filtration and additional trap filter to remove any remaining suspended solids from the finished product. The finished beer is then transferred to the packaging supply tanks.

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Ceramic Cold Filtration –Miller’s exclusive cold filtration process employing a ceramic filter is an additional processing step used for all packaged draft products. This highly controlled process protects the draft beer character of the packaged product without the need for subsequent pasteurization.

APPLICATION 498002, ALTERATION (PERMIT TO CONSTRUCT) TO ODOR CONTROL SYSTEM, PREVIOUS(484143):

MillerCoors installed a treatment plant to treat the wastewater generated at the facility. The suspended particles in the brewery wastewater are captured and placed into a digester tank. The digestion process generates digester gas consisting of 60-65 percent methane and 30-35 percent CO₂. The gas is treated and used as a fuel for two cogeneration producing about 1.0 MW of electrical power. The clarified wastewater disposed of into sewer system.

The wastewater treatment system consists of several tanks and other mechanical equipment. To minimize odor from the wastewater process tanks, the headspace vapor of the tanks (equalization tank, calamity tank, sludge storage tank), and some fugitive waste gas from the digester tank is collected and vented to the odor control system prior to discharge into the atmosphere. Initial design of the odor control system consisted of an enclosed biofilter. Permit conditions limited the discharge of contaminant to 10 ppm for H₂S and 0.5 ppm of VOC. In addition to the biofilter, three 500-lb carbon vessels were installed at the exhaust of the biofilter to further reduce odor. Upon completion of the construction, facility completed a source test indicating VOC emission out of compliance with 0.5 ppm limit. Facility replaced the carbons with two 3000 lb carbon vessels and source tested the equipment again. The test results once again showed VOC concentration greater than the permit condition. Data was also collected at the inlet to the biofilter. The results of the tests indicate low VOC inlet concentration to the biofilter at about 5 to 7 ppmv.

Being out of compliance with their permit condition, MillerCoors filed a variance to continue operation until the problems are determined and permit and equipment are modified. The variance was not granted by AQMD; but an order of abatement petition has been put in process and a hearing has been scheduled for October 7.

Facility submitted the above application (498002) to modify the odor control equipment. The proposed system will consist of two 3000 lb KOH impregnated carbon vessel followed by the existing biofilter and two more 3000 lbs KOH impregnated carbon vessels at the outlet of the biofilter. MillerCoors explains that high H₂S concentration in the vapor adversely impacts the biofilter, resulting in reduced performance in controlling VOC. MillerCoors also had began adding ferrous chloride to the wastewater. Ferrous Chloride reacts with dissolved sulfide in the wastewater forming insoluble ferrous sulfide. This will reduce the formation H₂S in the vapor headspace of the wastewater tanks and also reduces the formation of H₂S in the biogas.

As stated above, the test results show that the inlet VOC to the odor control equipment is minimal. The uncontrolled VOC emissions are about 0.48 lb/day. This level of VOC does not trigger

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application of BACT. Further, this level of emission would not have triggered offset requirement. Since the intention of the equipment is odor control not VOC, it is recommended that the VOC concentration limit be removed from permit. The carbon vessels and biofilter will assure even lower VOC concentration at the outlets compared to the inlet. Previously the H2S at the inlet to the biofilter was around 300 ppm. Addition of ferrous chloride had caused the H2S to drop to about 200 ppm. With the addition of carbon ahead of biofilter, the H2S at the inlet to the biofilter will reduce to less than 1 ppm, enabling the biofilter to perform better in reducing VOC. Because of low inlet VOC, and since control of VOC at this level is not required by rules, and VOC at lower concentrations can only be determined by costly sampling and laboratory analysis, monitoring for VOC is not recommended. However, it will be required that H2S to be kept below 1.0 ppm at the outlet of the primary carbon vessels for both carbon trains. Also, daily monitoring for H2S will be required. This will result in H2S being lower than 1 ppm at the point of discharge to the atmosphere. The changes to the equipment and recommended permit conditions, and emission requirements are as follow:

Note: The strikethrough texts indicate removal, and the underline texts indicate addition.

EQUIPMENT	ID NO	CONNECTED TO	RECLAIM SOURCE TYPE	EMISSIONS & REQUIREMENT.	EQUIPMENT SPECIFIC CONDITIONS
Process 8: WASTEWATER SYSTEM					
System : No System was assigned to this process					
<u>CARBON ADSORBER, , TWO CANISTERS IN SERIES, EACH WITH 3000 LB OF KOH IMPREGNATED CARBON</u> <u>A/N: 498002</u>	<u>C220</u>	<u>D160 D161</u> <u>D167 D168</u> <u>D169 D171</u> <u>D179 C222</u>		<u>H2S: 1.0 PPMV</u>	<u>D90.1, E153.1, K67.7</u>
<u>INJECTOR, HUMIDIFIER</u> <u>A/N 498002</u>	<u>C222</u>	<u>C173 C220</u>			
BIOFILTER, GWE, MODEL NO. G1500, WIDTH: 7 FT; HEIGHT: 5 FT 4 IN; LENGTH: 21 FT 5 IN <u>A/N: 484143 498002</u>	C173	D160 D161 D167 D168 D169 D171 D179 <u>C222, C221</u>		H2S: 10 PPMV DIGESTER GAS (6) [1401,3-4-2005;RULE 402 5-7-1976]; ROG: 0.5 PPMV DIGESTER GAS (5) [1303(b)(2)-Offset,5-10-1996] SO2: 0.3 PPMV DIGESTER GAS (5)	D28.6, D90.1, K67.7 <u>E202.1</u>

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<u>CARBON ADSORBER, , TWO CANISTERS IN SERIES, EACH WITH 3000 LB OF KOH IMPREGNATED CARBON</u>	<u>C221</u>			<u>H2S: 1.0 PPMV</u>	<u>D90.1, E153.1, K67.7</u>
<u>A/N 498002</u>					

CONDITIONS:

~~D28.6~~ The operator shall conduct source test(s) in accordance with the following specifications:

~~The test shall be conducted to determine the H2S emissions at the outlet using District method 307-91 measured over a 4 hour averaging time period.~~

~~The test shall be conducted to determine the VOC emissions at the outlet using District method 25 or 25.1 measured over a 15 minute averaging time period.~~

~~The test shall be conducted within 60 days after achieving maximum production rate, but no later than 120 days after initial start up.~~

~~The District shall be notified of the date and time of the test at least 10 days prior to the test.~~

~~[RULE 1110.2, 6-3-2005; RULE 3004(a) (4)-Periodic Monitoring, 12-12-1997]~~

~~[Devices subject to this condition: C173]~~

D90.1 The operator shall periodically monitor the H2S concentration at the outlet according to the following specifications:

The operator shall use a Draeger Tube to monitor the parameter.

The operator shall monitor once every day.

[RULE 3004(a) (4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition: C173]

E153.1 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough shall be defined as when H2S monitoring indicates a concentration of no more than 1.0 ppm at the outlet of the first carbon canister.

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To change over the carbon, the operator shall replace the first carbon canister with a fresh carbon canister. After the new carbon canister is installed, it shall become the last carbon canister in series. The previous sequencing of the remaining carbon canisters shall remain the same.

[RULE 1303(a) (1)-BACT, 5-10-1996; RULE 1 303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition: C220, C221]

K67.7 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Daily H₂S concentration by Draeger Tube or equivalent

Carbon replacement dates

[RULE 3004(a) (4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition: C173]

PROCESS DESCRIPTION:

Foul air from wastewater treatment system is pulled into a series of control equipment constructed in series. Four KOH impregnated carbon vessels each containing 3000 lb of carbon, two before and two after biofilter will be part of the odor removal system. A humidifier sprays water at a rate of about 2 gallons per hour into inlet vent air at the inlet of biofilter. Facility also will be injecting iron salt (ferrous chloride) into wastewater to reduce formation of hydrogen sulfide in the vent gas and digester gas. A combination of the equipment above will reduce both H₂S and VOC.

EMISSIONS:

The above equipment is a control equipment and it does not generate any air contaminant of its own. The emissions are released from the wastewater treatment system. However, for demonstration, the air contaminant controlled by the odor control equipment are shown below.

Operating schedule: 24 hrs/day, 7 day/week, 52 weeks/year
Flow: 1000 scfm

H₂S = 700 ppmv inlet (maximum)
= H₂S will be kept below 1 ppmv at the outlet of the first carbon. H₂S will be a lot lower at

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the outlet of second carbon, however we will use 1 ppmv to calculate H2S emissions.

VOC = 8 ppmv inlet (as methane)
= 4 ppmv outlet (as methane)

It will be required that facility meet 1.0 ppmv H2S at the outlet of first carbon for both carbon systems. The carbon change out will be required when the reading of 1.0 ppmv H2S is detected at the outlet of the first carbon vessels.

H2S (uncontrolled) = (700 ppmv)(1000 scfm)(34 lb/mole)(1 mole/ 379 scf)(60 min/hr)
= 3.77 lb/hr

H2S (controlled) = (1.0 ppmv)(1000 scfm)(34 lb/mole)(1 mole/ 379 scf)(60 min/hr)
= 0.0054 lb/hr
= 0.13 lb/day
= 47.3 lb/year

VOC (uncontrolled) = (8 ppmv)(1000 scfm)(16 lb/mole)(1 mole/ 379 scf)(60 min/hr)
= 0.02 lb/hr
= 0.48 lb/day

VOC (controlled) = (4 ppmv)(1000 scfm)(34 lb/mole)(1 mole/ 379 scf)(60 min/hr)
= 0.01 lb/hr
= 0.24 lb/day
= 87.6 lb/year

A/N 498003 & 498004, ALTERATION (PERMIT TO OPERATE) TO ETHANOL STORAGE TANKS, PREVIOUS (484171 & 484153):

The subject applications were submitted to modify the monthly ethanol throughput for the tanks. The tanks are used to store flavored ethanol for production of flavored malt beverage at the facility. Each tank has a holding capacity of 6420 gallons. Currently a permit condition limits a monthly throughput of 5494 gallons per each tank. The permit condition limit was derived using the total annual ethanol demand for the flavored malt beverage production then dividing the number in 2 and 12 (2 tanks, 12 months). Although the facility can comply with the targeted annual throughput, the monthly compliance has created an operational problem for the Facility. A truckload of flavored ethanol contains 6,200 gallons of products which exceed the monthly throughput limit for each tank. Therefore the product has to be split in between two tanks to meet the production limit mixing the new ethanol with old. This has created a quality control problem for the facility. Another operational issue is the variation in seasonal demand. The seasonal demand could be 20% higher than annual average demand, requiring greater usage of the flavored methanol. Facility has requested a higher monthly throughput limit. A maximum of 2 full loads per month per tank will be more than sufficient to meet the seasonal demand and it will allow complete depletion of a tank prior to filling.

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This will also alleviate the quality control issues. The emissions from this operation are very low and they will be discussed below.

Since the tanks are already installed and operating, permit to operate for the equipment is recommended. Only the throughput condition will be modified to allow higher monthly throughput.

The subject equipment are as follow. The strikethrough texts indicate deletion and the underlined text indicate modification or new addition.

EQUIPMENT	ID NO	CONNECTED TO	RECLAIM SOURCE TYPE	EMISSIONS & REQUIREMENT.	EQUIPMENT SPECIFIC CONDITIONS
Process 9: FLAVORED MALT BEVERAGE LINE					
System 2: ETHANOL STORAGE					
STORAGE TANK, FIXED ROOF, ETHANOL, HEIGHT: 20 FT; DIAMETER: 8 FT A/N: 484171 <u>498003</u> Permit to Construct Issued: 02/05/08 Note: PO is recommended for this equipment	D182				<u>C1.5, E144.1, K67.8</u>
STORAGE TANK, FIXED ROOF, ETHANOL, HEIGHT: 20 FT; DIAMETER: 8 FT A/N: 484153 <u>498004</u> Permit to Construct Issued: 02/05/08 Note: PO is recommended for this equipment	D183				<u>C1.5, E144.1, K67.8</u>

CONDITIONS:

CL5 The operator shall limit the material processed to no more than ~~5494~~ 12400 gallon(s) per month.

For the purpose of this condition, material processed shall be defined as the maximum quantity of ethanol transferred to this ~~received or dispensed from the~~ storage tanks.

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[RULE 1303(b) (2)-Offset, 5-10-1996]

[Devices subject to this condition: D182, D183]

E144.1 The operator shall vent this equipment, during filling, only to the vessel from which it is being filled.

[RULE 1303(a) (1)-BACT, 5-10-1996; RULE 1 303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D182, D183]

K67.8 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Monthly gallons of ethanol ~~dispensed from~~ transferred into this ~~equipment~~ tank

[RULE 3004(a) (4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition: D182, D183]

PROCESS DESCRIPTION:

The tanks above currently permitted under A/N 484171 (D182) and 484153 (D183). Each tank is 8 ft in diameter and 20 ft High. The tanks are used to store 70% concentration flavored ethanol for flavored malt beverage production. The modification to the tanks only includes increase in throughput for the tanks. The previously permitted throughputs for the tanks were at 5494 gallons per month per tank.. The permit revisions will allow a throughput of 12400 gallons per month per tank. The tanks are equipped with vapor balance system to allow vapor return to the tanker truck upon transfer of material into tanks. The flavored ethanol is fed through closed system for dilution and blending with other ingredients for production of flavored malt beverages. The emissions associated with the tanks are breathing losses and the wok losses during bulk unloading. The tanks are equipped with vapor balance system, reducing air emission by 95% during unloading of ethanol into the tanks. The breathing losses will remain uncontrolled. The conveying and dilution of flavored ethanol for beverage production is conducted through closed systems, therefore no work loss will be calculated for this operation.

EMISSIONS:

DATA:

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The data indicated below is for one tank. The second tank is identical in size, throughput, and operation.

Operating Schedule: 24 hrs/day, 7 days/week, 365 days/year
 Tank dimension: 8 ft diameter x 20 ft long, 6420 gallons capacity
 Tank throughput: 12,400 gallons per month
 Ethanol MW: 46 lb/mole
 Vapor pressure: 1.14 psia @ 66 F
 Annual average maximum temperature: 75.12 F
 Annual average minimum temperature: 56.81 F
 Average daily temperature: 66 F
 Tanks pressure valve setting: Vacuum: -0.03, Pressure: +0.03 (will not include in calculations)

Capture efficiency (work losses): 95% for work loss (vapor return line, vented to tanker truck, BACT)

Capture efficiency (breathing losses): 0% for breathing loss

Emissions are discharged from this operation in two ways. One is due to the displaced vapors resulting from tank filling, and the other is due breathing losses.

The emissions can be assessed using the following equations:

Working loss:

$$L_w = (F)(1 \text{ cft}/7.48 \text{ gal})(1 \text{ lb-mole}/380 \text{ cf})(M)(P/14.7 \text{ psia})$$

$$= 2.4 \times 10^{-5} \times F \times M \times P$$

Breathing loss:

$$L_B = (V)(\Delta T/T_{avg})(1 \text{ lb-mole}/380 \text{ cf})(M)(P/14.7 \text{ psia})$$

$$= 1.79 \times 10^{-4} \times V \times (\Delta T/T_{avg}) \times M \times P$$

The equations above are listed in section 4 of AQMD Permit Processing Handbook.

For working loss:

- L_w = working loss (lb/day)
- F = filling rate(gal/day)
- P = true vapor pressure (psia)
- M = molecular weight of vapor (lb/lb-mole)

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For breathing loss:

- L_B = breathing loss (lb/day)
 V = volume of vapor above liquid (cf)
 ΔT = average daily temperature change
 T_{avg} = average daily temperature
 P = true vapor pressure
 M = molecular weight of vapor (lb/lb-mole)

Working loss:

- M = 46 lb/lb-mole
 P = 1.14 PSIA
 F = 6200 gallons/day
 L_w = $2.4 \times 10^{-5} \times 6200 \times 46 \times 1.14 = 7.8$ lb/day (uncontrolled)
 L_w = $(7.8 \text{ lb/day}) \times (1 - 0.95) = 0.39$ lb/day (controlled) maximum

- Maximum per day (uncontrolled) = **7.8 lb/day**
 Maximum per day (controlled) = **0.39 lb/day**

Only two loads per month will be allowed therefore the 30 day average will be:

30 day Avg = $[(0.39 \text{ lb/load/day})(2 \text{ loads/month})] / [30 \text{ day/month}] = \mathbf{0.026 \text{ lb/day}}$

Breathing loss:

The daily average liquid level in the tank is over 1/2 of the tank capacity. If we assume a vapor space of 50% of the total tank capacity, then:

- Tank Capacity = 6420 gallons or 858 cf
 V (vapor space) = $858 \text{ cf} \times \frac{1}{2} = 429 \text{ cf}$
 ΔT = 18.31 R
 T_{avg} = $460 + 66 F = 526 \text{ R}$

$L_B = 1.79 \times 10^{-4} \times V \times (\Delta T / T_{avg}) \times M \times P$

$L_B = 1.79 \times 10^{-4} \times 429 \times (18.31/526) \times 46 \times 1.14 = 0.1350$ lbs/day (uncontrolled)

Daily controlled = uncontrolled = **0.135 lb/day**

The total emissions = Working loss + Breathing loss

Total maximum daily (uncontrolled) = $7.8 \text{ lb/day} + 0.135 \text{ lbs/day} = \mathbf{7.94 \text{ lbs/day}}$

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It takes about two hours to transfer ethanol into a tank:

Total maximum hourly (uncontrolled) = $[(7.8 \text{ lb/day}) / (2 \text{ hrs/day})] + [(0.135 \text{ lbs/day}) / (24 \text{ hrs/day})] = \underline{\underline{3.96 \text{ lbs/hr}}}$

Total maximum daily (controlled) = $0.39 \text{ lb/day} + 0.135 \text{ lbs/day} = \underline{\underline{0.515 \text{ lbs/day}}}$

Total maximum hourly (controlled) = $[(0.39 \text{ lb/day}) / (2 \text{ hrs/day})] + [(0.135 \text{ lbs/day}) / (24 \text{ hrs/day})] = \underline{\underline{0.33 \text{ lbs/hr}}}$

Total 30-day average (controlled) = $(0.026 \text{ lb/day} + 0.135 \text{ lb/day}) = \underline{\underline{0.161 \text{ lb/day}}}$

Annual = $(0.161 \text{ lb/day})(365 \text{ days/year}) = \underline{\underline{58.77 \text{ lb/year}}}$

The emission calculated above is tabulated below. The emissions are for one tank, but the tanks are identical so are the emissions.

- H1: Maximum hourly, uncontrolled
- H2: Maximum hourly, controlled
- D1: Maximum daily, uncontrolled
- D2: Maximum daily, controlled
- DA: 30-day average, controlled

EQUIPMENT	CONTAMINANT	H1 LB/HR	D1 LB/DAY	H2 LB/HR	D2 LB/DAY	DA LB/DAY	ANNUAL LB/YEAR
Tank, D182	VOC	3.96	7.94	0.33	0.515	0.161	58.77
Tank, D183	VOC	3.96	7.94	0.33	0.515	0.161	58.77

The emissions assessed under previous tank applications are tabulated below. Data indicate the contribution of the vapor balance system was not included in previous assessment. Also a different method (tank program) was used to assess the emissions. This has resulted into a higher emission estimates for the tanks as shown below:

Previous emission assessments:

EQUIPMENT	CONTAMINANT	WORK LOSS LB/YEAR	BREATHING LOSS LB/YEAR	TOTAL LOSS LB/YEAR	30-DAY AVERAGE LB/DAY
Tank, D182	VOC	62.47	78.07	140.54	0.22
Tank, D183	VOC	62.47	78.07	140.54	0.22

 <p style="text-align: center;">SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION PERMIT APPLICATION EVALUATION AND CALCULATIONS</p>	PAGES:	PAGE:
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HEALTH RISK ASSESSMENT:

Ethanol is not considered a hazardous air pollutant, and there is no increase in H2S emission, HRA is not required.

RULE EVALUATION:

CEQA: California Environmental Quality Act (CEQA)
The modification of the equipment above are not considered significant project. CEQA evaluation is not required.

Rule 212: Standards for Approving Permits:
The criteria pollutant (ROG) for the project is below Rule 212(g) threshold. There is no increase in the emission of toxic compounds (no increase in risk), and there are no schools within 1000 feet from the facility. Public Notice is not required.

Rule 401: Visible Emissions:
No visible emissions are expected from the equipment above and thus compliance with this rule is expected.

Rule 402: Public Nuisance:
With proper operation public nuisance is not expected.

Rule 404: Particulate Matter Concentration:
Operation of the equipment above will not result in issuance of particulate emissions.

Rule 462: Organic Liquid Loading:
This rule is intended to control emissions of volatile organic compounds (VOC) from facilities that load organic liquids with a vapor pressure of 1.5 psia (77.5 mm Hg) or greater under actual loading conditions into any tank truck, trailer, or railroad tank car. This rule is not applicable to this operation.

Rule 466: Pumps And Compressors:
A person shall not use any pump or compressor handling reactive organic compounds unless such pump or compressor is equipped with adequate seals in good working order or other devices of equal or greater efficiency. Reactive Organic Compound means any chemical compound which contains the element carbon, which has a Reid vapor pressure (RVP) greater than 80 mm Hg (1.55 pounds per square inch), or an absolute vapor pressure (AVP) greater than 36 mm Hg (0.7 psi) at 20°C excluding carbon monoxide, carbon dioxide, carbonic acid, carbonates and metallic carbides and excluding methane, 1,1,1-trichloroethane, methylene chloride,

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trifluoromethane, and chlorinated-fluorinated hydrocarbons. Compliance with this rule is expected.

Rule 466.1: Valves and Flanges:

Reactive Organic Compound means any chemical compound which contains the element carbon, which has a Reid vapor pressure (RVP) greater than 80 mm Hg (1.55 pounds per square inch), or an absolute vapor pressure (AVP) greater than 36 mm Hg (0.7 psi) at 20°C excluding carbon monoxide, carbon dioxide, carbonic acid, carbonates and metallic carbides and excluding methane, 1,1,1,-trichloroethane, methylene chloride, trifluoromethane, and chlorinated-fluorinated hydrocarbons. The solution vapor pressure of the products at this facility is lower than 36 mmHg at 20⁰C. Compliance with this rule is expected.

Rule 1131: Food Product manufacturing and Processing Operations:

The purpose of this rule is to reduce emissions of Volatile Organic Compounds (VOCs) from solvents used in food product manufacturing and processing operations. This rule applies to any person using solvents in any food product manufacturing and processing operation except food supplements in tablet or capsule form.

Breweries are exempt from this Rule. [Ruel 1131(g)(2)(B)]

REGULATION XIII: New Source Review:

BACT: Odor control system is installed to reduce odor potential and the ethanol tanks are equipped with vapor balance system. Compliance with BACT is met.

Modeling: VOC is the only criteria pollutant emitted from this operation. Modeling for VOC is not required.

Offset: In previous application tank emissions were overestimated. The contribution of the vapor balanced system was not included. The 30-day average emissions were estimated at 0.22 lb/day for each tank. The above calculations show that the 30-day average VOC emission for each tank is 0.161 lb/day. There is an emission increase of VOC for the odor control equipment compared to previous permit, however the

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total daily VOC is just 0.24 lb/day, offset is not required. The previous permit limit for daily VOC for the biofilter was 0.03 lb/day.

Rule 1401: New Source Review of Toxic Air Contaminants:

Ethanol is not considered a hazardous air pollutant, and H2S emission is insignificant. In compliance with this rule.

Regulation XX: RECLAIM:

The facility is NOX RECLAIM facility. No NOX emission is emitted from the above equipment. Compliance is expected.

Regulation XXX: Title V Facilities:

Compliance is expected

CONCLUSIONS:

Emission calculations and equipment analysis show that the equipment would operate in compliance with all the applicable Rules and Regulations.

RECOMMENDATIONS:

It is recommended to grant Permit to Construct for the odor control equipment and Permit to Operate for the equipments ethanol storage tanks, subject to the conditions stated above.

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

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Process 1 : BOILERS					
BURNER, FUEL OIL NO. 2, NATURAL GAS, TAMPELLA KEELER/FABER, MODEL WB-23- 1/2-FGR, WITH LOW NOX BURNER, 59.6 MMBTU/HR				<p><i>RULE 2012,4-9-1999</i> ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: 11 LBS/HR (5A) [RULE 476,10-8-1976]</p> <p>PM: 0.01 GRAINS/SCF (5B) [RULE 476,10-8-1976] ; SOX: 500 PPMV (5) [RULE 407,4-2- 1982]</p>	
BOILER, NO.3, NATURAL GAS, KEELER, WITH LOW NOX BURNER, OXYGEN CONTENT CONTROL, 59.6 MMBTU/HR WITH A/N: 484115	D3		NOX: MAJOR SOURCE**	<p>CO: 2000 PPMV (5A) [RULE 407,4-2-1982] ; CO: 400 PPMV (5) [RULE 1146,5-13-1994] ; PM: 11 LBS/HR (5A) [RULE 476,10-8-1976]</p> <p>PM: 0.01 GRAINS/SCF (5B) [RULE 476,10-8-1976] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; SOX: 500 PPMV (5) [RULE 407,4-2-1982]</p>	D12.2, D29.2, D82.1, D328.1, E17.1, E113.1, E193.1, K48.1

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 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See Section J for NESHAP/MACT requirements
 ** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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Process 2 : INTERNAL COMBUSTION ENGINES					
				NOX: 10.95 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; NOX: 36 PPMV NATURAL GAS (5) [RULE 1110.2,6-3-2005] ; NOX: 10.95 PPMV (3) [RULE 2012,12-7-1995 RULE 2012,4-9-1999] ; ROG: 0.15 GRAM/BHP-HR (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; ROG: 250 PPMV NATURAL GAS (5) [RULE 1110.2,11-14-1997]	
NON-SELECTIVE CATALYTIC REDUCTION A/N: 484124	C99	D98			
System 3 : GAS TURBINES POWER GENERATION					
GAS TURBINE, NO. 1, NATURAL GAS, SOLAR TAURUS, MODEL 60, 57 MMBTU/HR A/N: 484125	D102	C107	NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; CO: 6 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; NH3: 5 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996] NOX: 2.5 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; NOX: 180 PPMV (8) [40CFR 60 Subpart GG,3-6-1981]	A99.1, A195.1, A195.2, A195.3, C1.4, D12.5, D12.6, D28.2, D29.1, D82.2, D82.3, E179.2, E179.3, E193.1, K40.1

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 (5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 2 : INTERNAL COMBUSTION ENGINES					
				PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; SOX: 150 PPMV (8) [40CFR 60 Subpart GG,3-6-1981] ; SOX: 500 PPMV NATURAL GAS (5) [RULE 407,4-2-1982]	
BURNER, DUCT, NATURAL GAS, FORNEY, MODEL B10076, 39 MMBTU/HR A/N: 484125	D104	C107	NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; CO: 6 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; NOX: 2.5 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996]	
GAS TURBINE, NO.2, NATURAL GAS, SOLAR TAURUS, MODEL 60, 57 MMBTU/HR A/N: 484126	D103	C109	NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; CO: 6 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; NH3: 5 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996] NOX: 2.5 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; NOX: 180 PPMV (8) [40CFR 60 Subpart GG,3-6-1981]	A99.1, A195.1, A195.2, A195.3, C1.4, D12.5, D12.6, D28.2, D29.1, D82.2, D82.3, E179.2, E179.3, E193.1, K40.1

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2 : INTERNAL COMBUSTION ENGINES					
				PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; SOX: 150 PPMV (8) [40CFR 60 Subpart GG,3-6-1981] ; SOX: 500 PPMV NATURAL GAS (5) [RULE 407,4-2-1982]	
BURNER, DUCT, NATURAL GAS, FORNEY, MODEL B10076, 39 MMBTU/HR A/N: 484126	D105	C109	NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; CO: 6 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; NOX: 2.5 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996]	
STACK A/N: 484125	S112	C106			
STACK A/N: 484126	S113	C108			
System 4 : EMERGENCY ELECTRICAL POWER GENERATION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CATERPILLAR, MODEL 3406 DITA, WITH AFTERCOOLER, TURBOCHARGER, 499 BHP A/N: 484119	D116			NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,12-7-1995;RULE 2012,3-16-2001] ; PM: DIESEL (5) [RULE 1470,3-4-2005] PM: (9) [RULE 404,2-7-1986]	B61.1, C1.1, D12.3, E71.1, E71.2, H23.4, K67.5, K67.6

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 (5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
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Process 3 : FUEL STORAGE AND DISPENSING					P28.1
STORAGE TANK, FIXED ROOF, GASOLINE, 1000 GALS A/N: 484127	D7				C1.2, C1.3, H23.2, H23.3, J109.1, J373.2, K67.3
FUEL DISPENSING NOZZLE, GASOLINE A/N: 484127	D8				H23.2, J110.1, J373.1, K67.4
Process 4 : BEER PRODUCTION					
System 1 : MALT AND GRITS RECEIVING AND STORAGE					
PIT A/N: 484137	D9	C21		PM: (9) [RULE 405,2-7-1986]	D323.1
CONVEYOR A/N: 484137	D10	C21		PM: (9) [RULE 405,2-7-1986]	D323.1
HOPPER, SURGE A/N: 484137	D11	C21		PM: (9) [RULE 405,2-7-1986]	D323.1
CONVEYOR, PNEUMATIC A/N: 484137	D12			PM: (9) [RULE 405,2-7-1986]	D323.1
STORAGE SILO, MALT, WIDTH: 24 FT; HEIGHT: 60 FT; LENGTH: 24 FT A/N: 484137	D13	C20		PM: (9) [RULE 405,2-7-1986]	D323.1
STORAGE SILO, MALT, WIDTH: 24 FT; HEIGHT: 60 FT; LENGTH: 24 FT A/N: 484137	D14	C20		PM: (9) [RULE 405,2-7-1986]	D323.1
STORAGE SILO, MALT, WIDTH: 24 FT; HEIGHT: 60 FT; LENGTH: 24 FT A/N: 484137	D15	C20		PM: (9) [RULE 405,2-7-1986]	D323.1

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Process 4 : BEER PRODUCTION					
STORAGE SILO, MALT, WIDTH: 24 FT; HEIGHT: 60 FT; LENGTH: 24 FT A/N: 484137	D16	C20		PM: (9) [RULE 405,2-7-1986]	D323.1
STORAGE SILO, GRITS, WIDTH: 11 FT; HEIGHT: 60 FT; LENGTH: 24 FT A/N: 484137	D17	C20		PM: (9) [RULE 405,2-7-1986]	D323.1
STORAGE SILO, GRITS, WIDTH: 11 FT; HEIGHT: 60 FT; LENGTH: 24 FT A/N: 484137	D18	C20		PM: (9) [RULE 405,2-7-1986]	D323.1
STORAGE SILO, GRITS, WIDTH: 11 FT; HEIGHT: 60 FT; LENGTH: 24 FT A/N: 484137	D19	C20		PM: (9) [RULE 405,2-7-1986]	D323.1
BAGHOUSE, BUHLER-MIAG, MODEL ASFA-18/8, 168 SQ.FT. A/N: 484135	C20	D13 D14 D15 D16 D17 D18 D19 D24 D29		PM: (9) [RULE 404,2-7-1986]	D322.1, D381.1, E102.1, K67.2
BAGHOUSE, BUHLER-MIAG, MODEL ASFA-64/8, 597 SQ.FT. A/N: 484131	C21	D9 D10 D11		PM: (9) [RULE 404,2-7-1986]	D322.1, D381.1, E102.1, K67.2
System 2 : BEER MANUFACTURING					
CONVEYOR, PNEUMATIC A/N: 484130	D22	C90		PM: (9) [RULE 405,2-7-1986]	D323.1
CONVEYOR, PNEUMATIC A/N: 484130	D23	C91		PM: (9) [RULE 405,2-7-1986]	D323.1
HOPPER, WEIGH, GRITS A/N: 484130	D24	C20		PM: (9) [RULE 405,2-7-1986]	D323.1
HOPPER, WEIGH, MALT A/N: 484130	D25	C32		PM: (9) [RULE 405,2-7-1986]	D323.1

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Process 4 : BEER PRODUCTION					
MILL, MALT A/N: 484130	D26	C32		PM: (9) [RULE 405,2-7-1986]	D323.1, E17.3
MILL, MALT A/N: 484130	D27	C32		PM: (9) [RULE 405,2-7-1986]	D323.1, E17.2
CONVEYOR, DRAG A/N: 484130	D28	C32		PM: (9) [RULE 405,2-7-1986]	D323.1
CONVEYOR, SCREW A/N: 484130	D29	C20		PM: (9) [RULE 405,2-7-1986]	D323.1
MIXER, HEIGHT: 10 FT 8 IN; DIAMETER: 22 FT A/N: 484130	D30				
COOKER A/N: 484130	D31				
BAGHOUSE, BUHLER-MIAG, MODEL ASFA-24/8, 224 SQ.FT. A/N: 484129	C32	D25 D26 D27 D28 D89			D322.1, D381.1, E102.1, K67.2
HOPPER, MALT MILL INLET A/N: 484130	D89	C32		PM: (9) [RULE 405,2-7-1986]	D323.1
MILL, MALT A/N: 484130	D88			PM: (9) [RULE 405,2-7-1986]	D323.1, E80.1
BAGHOUSE, BUHLER-MIAG, MODEL ASFA-9/8 FILTER RECEIVER, 84 SQ.FT. A/N: 484130	C90	D22		PM: (9) [RULE 404,2-7-1986]	D322.1, D381.1, E102.1, K67.2
BAGHOUSE, BUHLER-MIAG, MODEL ASFA-9/8 FILTER RECEIVER, 84 SQ.FT. A/N: 484130	C91	D23		PM: (9) [RULE 404,2-7-1986]	D322.1, D381.1, E102.1, K67.2

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Process 4 : BEER PRODUCTION					
System 3 : BEER MANUFACTURING/TANKS					
TANK, DIATOMACEOUS EARTH, 3767 GALS; DIAMETER: 10 FT; HEIGHT: 7 FT 3 IN A/N: 484136	D33	C35		PM: (9) [RULE 405,2-7-1986]	D323.1
TANK, DIATOMACEOUS EARTH, 2273 GALS; DIAMETER: 8 FT 6 IN; HEIGHT: 6 FT 9 IN A/N: 484133	D34	C35		PM: (9) [RULE 405,2-7-1986]	D323.1
TANK, DIATOMACEOUS EARTH, 2273 GALS; DIAMETER: 8 FT 6 IN; HEIGHT: 6 FT 9 IN A/N: 484132	D41	C35		PM: (9) [RULE 405,2-7-1986]	D323.1
BAGHOUSE, GRIFFIN ENVIRONMENTAL, MODEL JV-16-6X, 124 SQ.FT. A/N: 484138	C35	D33 D34 D41		PM: (9) [RULE 404,2-7-1986]	D322.1, D381.1, E102.1, K67.2
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D42	D219			
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D47	D219			
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D48	D219			

* (1)(1A)(1B) Denotes RECLAIM emission factor
 (2)(2A)(2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4 : BEER PRODUCTION					
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D49	D219			
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D50	D219			
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D51	D219			
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D52	D219			
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D53	D219			
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D54	D219			
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D55	D219			

* (1)(1A)(1B) Denotes RECLAIM emission factor
 (2)(2A)(2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4 : BEER PRODUCTION					
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D56	D219			
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D57	D219			
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D58	D219			
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D59	D219			
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D60	D219			
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D61	D219			
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D62	D219			

* (1)(1A)(1B) Denotes RECLAIM emission factor
 (2)(2A)(2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)
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FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4 : BEER PRODUCTION					
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 484128	D63	D219			
TANK, FERMENTATION, BEER, 2300 BBL; DIAMETER: 19 FT 9 IN; HEIGHT: 26 FT A/N: 484128	D64	D219			
TANK, FERMENTATION, BEER, 2300 BBL; DIAMETER: 19 FT 9 IN; HEIGHT: 26 FT A/N: 484128	D65	D219			
TANK, FERMENTATION, BEER, 2300 BBL; DIAMETER: 19 FT 9 IN; HEIGHT: 26 FT A/N: 484128	D66	D219			
TANK, FERMENTATION, BEER, 2300 BBL; DIAMETER: 19 FT 9 IN; HEIGHT: 26 FT A/N: 484128	D67	D219			
TANK, FERMENTATION, BEER, 2300 BBL; DIAMETER: 19 FT 9 IN; HEIGHT: 26 FT A/N: 484128	D68	D219			
TANK, FERMENTATION, BEER, 2300 BBL; DIAMETER: 19 FT 9 IN; HEIGHT: 26 FT A/N: 484128	D69	D219			

* (1)(1A)(1B) Denotes RECLAIM emission factor
 (2)(2A)(2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
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FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4 : BEER PRODUCTION					
TANK, FERMENTATION, BEER, 2300 BBL; DIAMETER: 19 FT 9 IN; HEIGHT: 26 FT A/N: 484128	D70	D219			
TANK, FERMENTATION, BEER, 2300 BBL; DIAMETER: 19 FT 9 IN; HEIGHT: 26 FT A/N: 484128	D71	D219			
TANK, FERMENTATION, BEER, 2300 BBL; DIAMETER: 19 FT 9 IN; HEIGHT: 26 FT A/N: 484128	D72	D219			
TANK, FERMENTATION, BEER, 2300 BBL; DIAMETER: 19 FT 9 IN; HEIGHT: 26 FT A/N: 484128	D73	D219			
TANK, FERMENTATION, BEER, 2300 BBL; DIAMETER: 19 FT 9 IN; HEIGHT: 26 FT A/N: 484128	D74	D219			
TANK, FERMENTATION, BEER, 2300 BBL; DIAMETER: 19 FT 9 IN; HEIGHT: 26 FT A/N: 484128	D75	D219			
TANK, FERMENTATION, BEER, 2300 BBL; DIAMETER: 19 FT 9 IN; HEIGHT: 26 FT A/N: 484128	D76	D219			

* (1)(1A)(1B) Denotes RECLAIM emission factor
 (2)(2A)(2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
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FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4 : BEER PRODUCTION					
TANK, FERMENTATION, BEER, 2300 BBL; DIAMETER: 19 FT 9 IN; HEIGHT: 26 FT A/N: 484128	D77	D219			
TANK, FERMENTATION, BEER, 1146 BBL; DIAMETER: 14 FT; HEIGHT: 27 FT 7 IN A/N: 484128	D78	D219			
TANK, FERMENTATION, BEER, 1146 BBL; DIAMETER: 14 FT; HEIGHT: 27 FT 7 IN A/N: 484128	D79	D219			
TANK, FERMENTATION, BEER, 1146 BBL; DIAMETER: 14 FT; HEIGHT: 27 FT 7 IN A/N: 484128	D80	D219			
TANK, FERMENTATION, BEER, 1146 BBL; DIAMETER: 14 FT; HEIGHT: 27 FT 7 IN A/N: 484128	D81	D219			
TANK, FERMENTATION, BEER, 1146 BBL; DIAMETER: 14 FT; HEIGHT: 27 FT 7 IN A/N: 484128	D82	D219			
TANK, FERMENTATION, BEER, 1146 BBL; DIAMETER: 14 FT; HEIGHT: 27 FT 7 IN A/N: 484128	D83	D219			

* (1)(1A)(1B) Denotes RECLAIM emission factor
 (2)(2A)(2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit
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FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4 : BEER PRODUCTION					
TANK, , FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 485039	D117	D219			C1.12, E71.8
TANK, , FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT., HEIGHT: 34 FT. A/N: 485039	D118	D219			C1.13, E71.9
System 4 : CO2 RECOVERY / PURIFICATION SYSTEM					
FILTER, FOAM TRAP A/N: 484955	D219	D42 D47 D48 D49 D50 D51 D52 D53 D54 D55 D56 D57 D58 D59 D60 D61 D62 D63 D64 D65 D66 D67 D68 D69 D70 D71 D72 D73 D74 D75 D76 D77 D78 D79 D80 D81 D82 D83 D117 D118 D216 D217			
COMPRESSOR, CO2 BOOSTER, 2500 LB/HR A/N: 484955	D119				
COMPRESSOR, CO2 BOOSTER, 2500 LB/HR. A/N: 484955	D120				

* (1)(1A)(1B) Denotes RECLAIM emission factor
 (2)(2A)(2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)
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FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4 : BEER PRODUCTION					
COMPRESSOR, CO2 BOOSTER, 2500 LB/HR. A/N: 484955	D121				
GAS SEPARATOR, CO2 STRIPPER, 12,500 LB/HR. A/N: 484955	D200				
EVAPORATOR, / CONDENSOR, CO2, LIQUIVAP, 12,500 LB/HR. A/N: 484955	D201				
SCRUBBER, CO2, 6250 LB/HR. A/N: 484955	D202				
SCRUBBER, CO2, 6250 LB/HR. A/N: 484955	D203				
COOLER, PRECOOLER, HIGH PRESSURE, 6250 LB/HR. A/N: 484955	D204				
COOLER, PRECOOLER, HIGH PRESSURE, 6250 LB/HR. A/N: 484955	D205				
CARBON ADSORBER, PURIFIER, 6250 LB/HR. A/N: 484955	D206				
CARBON ADSORBER, PURIFIER, 6250 LB/HR. A/N: 484955	D207				
DRYER, CO2 DRYER, 6250 LB/HR. A/N: 484955	D208				

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 (2)(2A)(2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit
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FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4 : BEER PRODUCTION					
DRYER, CO2 DRYER, 6250 LB/HR. A/N: 484955	D209				
FILTER, DUST FILTER A/N: 484955	D210				
CARBON ADSORBER, PURIFIER, 6250 LB/HR. A/N: 484955	D211				
CARBON ADSORBER, PURIFIER, 6250 LB/HR. A/N: 484955	D212				
COMPRESSOR, CO2, 2500 LB/HR. A/N: 484955	D133				
COMPRESSOR, CO2, 2500 LB/HR. A/N: 484955	D134				
COMPRESSOR, CO2, 2500 LB/HR. A/N: 484955	D135				
COMPRESSOR, CO2, 2500 LB/HR. A/N: 484955	D136				
COOLER, CO2 AFTERCOOLER, 2500 LB/HR. A/N: 484955	D137				
COOLER, CO2 AFTERCOOLER, 2500 LB/HR. A/N: 484955	D138				
COOLER, AFTERCOOLER, 2500 LB/HR. A/N: 484955	D139				

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 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit
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 (7) Denotes NSR applicability limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4 : BEER PRODUCTION					
COOLER, AFTERCOOLER, 2500 LB/HR. A/N: 484955	D140				
CONDENSER, CO2 CONDENSER, 5000 LB/HR. A/N: 484955	D148				
CONDENSER, CO2 CONDENSER, 5000 LB/HR. A/N: 484955	D149				
STORAGE TANK, LIQUID CO2, 242,000 LB. A/N: 484955	D150				
STORAGE TANK, LIQUID CO2, 242,000 LB. A/N: 484955	D151				
STORAGE TANK, LIQUID CO2, 242,000 LB. A/N: 484955	D152				
EVAPORATOR, CO2, 12,000 LB/HR. A/N: 484955	D153				
EVAPORATOR, CO2, 4,000 LB/HR. A/N: 484955	D154				
EVAPORATOR, CO2, 4,000 LB/HR. A/N: 484955	D155				
EVAPORATOR, CO2, 4,000 LB/HR. A/N: 484955	D156				

* (1)(1A)(1B) Denotes RECLAIM emission factor
 (2)(2A)(2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4 : BEER PRODUCTION					
STORAGE TANK, CO2 SURGE/VAPOR STORAGE TANK. A/N: 484955	D157				
STORAGE TANK, CO2 SURGE/VAPOR STORAGE TANK. A/N: 484955	D158				
Process 5 : STORAGE TANKS					
STORAGE TANK, FIXED ROOF, NO.4801T1, DIESEL FUEL, 1E+06 GALS A/N: 484140	D38				J123.1
Process 7 : Rule 219 Exempt Equipment/Process Subject to Source-Specific Rules					
System 1 : RULE 219 EXEMPT					
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, <= 53 FT3, WITH DUST FILTER	E92			PM: (9) [RULE 1140,8-2-1985;RULE 404,2-7-1986;RULE 405,2-7-1986]	D322.1, D381.1, K67.2
RULE 219 EXEMPT EQUIPMENT, PRINTING EQUIPMENT, WITH RELATED COATING, LAMINATING AND DRYING EQUIPMENT	E93			ROG: (9) [RULE 1130,3-8-1996;RULE 1130,10-8-1999;RULE 1171,6-13-1997;RULE 1171,10-8-1999]	
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E94			ROG: (9) [RULE 1171,6-13-1997;RULE 1171,10-8-1999]	H23.1

* (1)(1A)(1B) Denotes RECLAIM emission factor
 (2)(2A)(2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7 : Rule 219 Exempt Equipment/Process Subject to Source-Specific Rules					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E95			ROG: (9) [RULE 1113.5-44-1999;RULE 1171.6-43-1997;RULE 1171.10-8-1999]	K67.1
Process 9 : FLAVORED MALT BEVERAGE LINE					
System 2 : ETHANOL STORAGE					
STORAGE TANK, FIXED ROOF, ETHANOL, HEIGHT: 20 FT; DIAMETER: 8 FT A/N:	D182				C1.5, E71.11, E144.1, K67.8
STORAGE TANK, FIXED ROOF, ETHANOL, HEIGHT: 20 FT; DIAMETER: 8 FT A/N:	D183				C1.5, E144.1, K67.8

* (1)(1A)(1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5)(5A)(5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits
 (2)(2A)(2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)
 (10) See Section J for NESHAP/MACT requirements
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**FACILITY PERMIT TO OPERATE
MILLERCOORS, LLC**

SECTION D: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

**FACILITY PERMIT TO OPERATE
 MILLERCOORS, LLC**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
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D3	2	1	0
D6	3	2	1
D7	7	3	0
D8	7	3	0
D9	7	4	1
D10	7	4	1
D11	7	4	1
D12	7	4	1
D13	7	4	1
D14	7	4	1
D15	7	4	1
D16	8	4	1
D17	8	4	1
D18	8	4	1
D19	8	4	1
C20	8	4	1
C21	8	4	1
D22	8	4	2
D23	8	4	2
D24	8	4	2
D25	8	4	2
D26	9	4	2
D27	9	4	2
D28	9	4	2
D29	9	4	2
D30	9	4	2
D31	9	4	2
C32	9	4	2
D33	10	4	3
D34	10	4	3
C35	10	4	3
D38	20	5	0
D41	10	4	3
D42	10	4	3

**FACILITY PERMIT TO OPERATE
 MILLERCOORS, LLC**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
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D48	10	4	3
D49	11	4	3
D50	11	4	3
D51	11	4	3
D52	11	4	3
D53	11	4	3
D54	11	4	3
D55	11	4	3
D56	12	4	3
D57	12	4	3
D58	12	4	3
D59	12	4	3
D60	12	4	3
D61	12	4	3
D62	12	4	3
D63	13	4	3
D64	13	4	3
D65	13	4	3
D66	13	4	3
D67	13	4	3
D68	13	4	3
D69	13	4	3
D70	14	4	3
D71	14	4	3
D72	14	4	3
D73	14	4	3
D74	14	4	3
D75	14	4	3
D76	14	4	3
D77	15	4	3
D78	15	4	3
D79	15	4	3
D80	15	4	3
D81	15	4	3
D82	15	4	3

**FACILITY PERMIT TO OPERATE
 MILLERCOORS, LLC**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
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D88	9	4	2
D89	9	4	2
C90	9	4	2
C91	9	4	2
E92	20	7	1
E93	20	7	1
E94	20	7	1
E95	21	7	1
C97	3	2	2
D98	3	2	2
C99	4	2	2
D102	4	2	3
D103	5	2	3
D104	5	2	3
D105	6	2	3
S112	6	2	3
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**FACILITY PERMIT TO OPERATE
 MILLERCOORS, LLC**

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FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F14.1 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

This condition shall become effective on or after June 1, 2004.

As of January 1, 2006, the operator shall only use diesel fuel with a sulfur content that does not exceed 15 ppm by weight, unless the operator demonstrates in writing to the Executive Officer that specific additional time is necessary.

The .05 percent sulfur limit shall not apply to existing supplies of any liquid fuel in storage as of October 1, 1993 until such supply is exhausted.

[**RULE 431.2, 5-4-1990**; RULE 431.2, 9-15-2000]

F24.1 Accidental release prevention requirements of Section 112(r)(7):

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[**40CFR 68 - Accidental Release Prevention, 5-24-1996**]

PROCESS CONDITIONS

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

- P28.1 Except for diesel transfers, Phase I vapor recovery systems shall be in full operation whenever fuel is being transferred into storage tanks.

Except for diesel transfers, Phase II vapor recovery systems shall be in full operation whenever fuel is being transferred into motor vehicles, as defined in Rule 461.

All Phase I and Phase II vapor recovery equipment at this facility shall be installed, operated and maintained to meet all California Air Resources Board certification requirements.

[RULE 461, 9-8-1995; RULE 461, 4-21-2000]

[Processes subject to this condition : 3]

DEVICE CONDITIONS

A. Emission Limits

- A99.1 The 2.5 PPM NOX emission limit(s) shall not apply during start-up or shutdown, or the initial start-up period. The initial start-up period shall not exceed 30 calendar days from the date of installation. The start-up and shutdown time shall not exceed 2 hours for cold and 1 hour for hot and warm, as applicable.

[RULE 2005, 4-9-1999; RULE 2005, 4-20-2001; RULE 429, 12-21-1990]

[Devices subject to this condition : D102, D103]

- A195.1 The 5 PPM NH3 emission limit(s) is averaged over 15 minutes at 15 percent oxygen.

[RULE 2005, 4-9-1999; RULE 2005, 4-20-2001]

[Devices subject to this condition : D102, D103]

- A195.2 The 2.5 PPM NOX emission limit(s) is averaged over 15 minutes at 15 percent oxygen.

[RULE 2005, 4-9-1999; RULE 2005, 4-20-2001]

[Devices subject to this condition : D102, D103]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

A195.3 The 6 PPM CO emission limit(s) is averaged over 15 minutes at 15 percent oxygen.

[**RULE 2005, 4-9-1999; RULE 2005, 4-20-2001**]

[Devices subject to this condition : D102, D103]

B. Material/Fuel Type Limits

B61.1 The operator shall not use fuel oil containing the following specified compounds:

Compound	Header 2	weight percent
Sulfur	greater than	0.05

[**RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000**]

[Devices subject to this condition : D1, D2, D5, D6, D116]

B75.1 The operator shall not use fuel oil in this equipment except under the following circumstance(s):

Natural gas curtailment

Maintenance testing

Compliance testing

[**RULE 1303(a)(1)-BACT, 5-10-1996**]

[Devices subject to this condition : D1, D2]

C. Throughput or Operating Parameter Limits

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

- C1.1 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

No more than 50 hours in any one year should be included in the total operating hours of this engine for maintenance and testing purposes.

[RULE 1110.2, 11-14-1997; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996**; RULE 1470, 4-2-2004; RULE 1470, 3-4-2005; **RULE 2012, 12-7-1995**; RULE 2012, 4-9-1999; RULE 2012, 3-16-2001]

[Devices subject to this condition : D5, D6, D116]

- C1.2 The operator shall limit the material processed to no more than 300 gallon(s) per month.

For the purpose of this condition, material processed shall be defined as the maximum quantity of gasoline dispensed from the storage tanks.

[**RULE 1303(b)(2)-Offset, 5-10-1996**]

[Devices subject to this condition : D7]

- C1.3 The operator shall limit the material processed to no more than 3600 gallon(s) per year.

For the purpose of this condition, material processed shall be defined as the maximum quantity of gasoline dispensed from the storage tank.

[**RULE 1303(b)(2)-Offset, 5-10-1996**]

[Devices subject to this condition : D7]

- C1.4 The operator shall limit the duration of startup to no more than 2 hour(s).

For the purpose of this condition, duration of start-up shall be defined as hours per incident.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 429, 12-21-1990]

[Devices subject to this condition : D102, D103]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

C1.5 The operator shall limit the material processed to no more than 12400 gallon(s) per month.

For the purpose of this condition, material processed shall be defined as the maximum quantity of ethanol transferred to this storage tank.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D182, D183]

C1.12 The operator shall limit the material processed to no more than 20,834 barrel(s) in any one month.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D117]

C1.13 The operator shall limit the material processed to no more than 20,834 barrel(s) in any one month.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D118]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) flow meter to accurately indicate the flue gas flow from the exhaust stack to the burner.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D2]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

- D12.2 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage in the boiler.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[**RULE 2012, 12-7-1995**; RULE 2012, 4-9-1999]

[Devices subject to this condition : D1, D2, D3]

- D12.3 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[**RULE 1110.2, 11-14-1997**; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996**; RULE 1470, 4-2-2004; RULE 1470, 3-4-2005; **RULE 2012, 12-7-1995**; RULE 2012, 4-9-1999; RULE 2012, 3-16-2001]

[Devices subject to this condition : D5, D6, D96, D98, D116]

- D12.4 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the engine.

[**RULE 2012, 12-7-1995**; RULE 2012, 4-9-1999]

[Devices subject to this condition : D96, D98]

- D12.5 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the gas turbine.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

[**RULE 1303(b)(2)-Offset, 5-10-1996**]

[Devices subject to this condition : D102, D103]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D12.6 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the ammonia injection rate of the selective catalytic reduction system.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D102, D103]

D28.1 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted at least once every five years.

The test shall be conducted to determine the total PM emissions at the outlet.

Source test shall be conducted when this equipment is using fuel oil.

The test shall be conducted to demonstrate compliance with Rule 476.

The test shall be conducted to determine the PM emissions using District method 5.1 measured over a 15 minute averaging time period.

The test shall be conducted after the boiler fuel oil usage exceeds 2 million gallons in any one year.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : D1, D2]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D28.2 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted only after notifying the District of the date and time of the test at least 10 days prior to the test.

The test shall be conducted quarterly during the first 12 months of operation and at least annually thereafter.

The test shall be conducted and the results submitted to the District within 45 days after the test date.

The test shall be conducted to determine the NH₃ emissions using District methods 207.1 and 5.3 or EPA method 17.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D102, D103]

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine the NO_x emissions using District method 100.1 measured over a 15 minute averaging time period.

The test shall be conducted to determine the CO emissions using District method 100.1 measured over a 15 minute averaging time period.

The test shall be conducted to determine the VOC emissions using District method 25 or 25.1 measured over a 15 minute averaging time period.

The test shall be conducted when this equipment is operating at normal load.

The test shall be conducted at least annually by the operator or by an independent testing laboratory.

[RULE 1110.2, 6-3-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D96, D98]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D29.1 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
CO emissions	District method 100.1	15 minutes	Outlet of the SCR serving this equipment
NOX emissions	District method 100.1	15 minutes	Outlet of the SCR serving this equipment
SOX emissions	District method 100.1	15 minutes	Outlet of the SCR serving this equipment
ROG emissions	District method 25.1	15 minutes	Outlet of the SCR serving this equipment
PM10 emissions	District method 5.1	15 minutes	Outlet of the SCR serving this equipment

The test shall be conducted to determine the PM emissions using District Method 5.1.

The test shall be conducted to determine the oxygen levels in the exhaust. In addition, the test shall measure the fuel flow rate (CFH), the flue gas flow rate, and the turbine generating output (MW)..

The test shall be conducted to determine the NH3 emissions using District Method 207.1 and 5.3 or EPA Method 17..

The test shall be conducted in accordance with a District approved source test protocol. The protocol shall be submitted to the engineer identified on the P/C no later than 45 days before the proposed test date and shall be approved by the District before the test commences. The test protocol shall include the proposed operating conditions of the turbine during the test, the identity of the testing laboratory, a statement from the testing laboratory that it meets the criteria of Rule 304 and a description of all sampling and analyti.

The test shall be conducted when this equipment is operating at loads of 100%, 75%, 50% and the minimum load at which ammonia injection occurs.

The test shall be conducted only after notifying the District of the date and time of the test at least 10 days prior to the test..

The test shall be conducted within 60 days of installation.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2005, 4-9-1999]

[Devices subject to this condition : D102, D103]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D29.2 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM10 emissions	District method 5.1	15 minutes	Outlet

[Devices subject to this condition : D3]

D82.1 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv

O2 concentration in ppmv

[**RULE 2012, 12-7-1995**; RULE 2012, 4-9-1999]

[Devices subject to this condition : D1, D2, D3]

D82.2 The operator shall install and maintain a CEMS to measure the following parameters:

CO concentration in ppmv

Concentrations shall be corrected to 15 percent oxygen on a dry basis.

The CEMS shall be installed and operated in accordance with an approved AQMD Rule 218 CEMS plan application. The operator shall not install the CEMS prior to receiving initial approval from AQMD

[**RULE 1303(a)(1)-BACT, 5-10-1996**]

[Devices subject to this condition : D102, D103]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D82.3 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv

The CEMS shall be installed and operating no later than 12 months after the initial start-up of the turbine. During the interim period between the initial start-up and the provisional certification date of the CEMS, the operator shall comply with the monitoring requirements of Rule 2012(h)(3). The operator shall provide written notification of the initial start-up of the turbine

[**RULE 2012, 12-7-1995**; RULE 2012, 3-16-2001]

[Devices subject to this condition : D102, D103]

D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

[**RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995**]

[Devices subject to this condition : C20, C21, C32, C35, C90, C91, E92]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D22, D23, D24, D25, D26, D27, D28, D29, D33, D34, D41, D88, D89]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : D1, D2, D3]

D371.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever this equipment has combusted one million gallons of diesel fuel, to be counted cumulatively over a five year period. The inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall:

Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three working days (or during the next fuel oil firing period if the unit ceases firing on fuel oil within the three working day time frame) and report any deviations to AQMD.

In addition, the operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- a). Stack or emission point identification;
- b). Description of any corrective actions taken to abate visible emissions;
- c). Date and time visible emission was abated; and
- d). Visible emission observation record by a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : D1, D2]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : C20, C21, C32, C35, C90, C91, E92]

E. Equipment Operation/Construction Requirements

E17.1 The operator shall not use more than 3 of the following items simultaneously:

Device ID: D1 [BOILER, NO.1]

Device ID: D2 [BOILER, NO.2]

Device ID: D3 [BOILER, NO.3]

Device ID: D4 [BOILER, NO.4]

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996]

[Devices subject to this condition : D1, D2, D3]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

E17.2 The operator shall not use more than 1 of the following items simultaneously:

Device ID: D27 [MILL]

Device ID: D88 [MILL]

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D27]

E17.3 The operator shall not use more than 1 of the following items simultaneously:

Device ID: D88 [MILL]

Device ID: D26 [MILL]

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D26]

E71.1 The operator shall not operate beyond 50 hours per year allotted for maintenance and testing this equipment except in the event of a loss of grid power or up to 30 minutes prior to a rotating outage. This is applicabe only when the electrical grid operator or electric utility has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage.

Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect.

[RULE 1470, 4-2-2004; RULE 1470, 3-4-2005]

[Devices subject to this condition : D5, D6, D116]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

- E71.2 The operator shall not use this equipment for a demand response program, using interruptible service contract in which a facility receives a payment or reduced rates in return for reducing its electric load on the grid when requested to do so by the utility or the grid operator.

[RULE 1470, 4-2-2004; RULE 1470, 3-4-2005]

[Devices subject to this condition : D5, D6, D116]

- E71.8 The operator shall only vent this equipment to the CO2 recovery system. Venting to CO2 recovery system during the first 24 hours of fermentation is optional..

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D117]

- E71.9 The operator shall only vent this equipment to the CO2 recovery system. Venting to CO2 recovery system during the first 24 hours of fermentation is optional..

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D118]

- E71.11 The operator shall not disconnect the ethanol transfer line and vapor return line of this equipment until the complete transfer of ethanol and purging of the lines have been accomplished.

[Devices subject to this condition : D182]

- E73.1 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use FGR if all of the following requirement(s) are met:

Exhaust gas stack temperature below 300 Degrees Fahrenheit

[**RULE 1303(a)(1)-BACT, 5-10-1996**]

[Devices subject to this condition : D1, D2]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

E80.1 The operator shall not use this equipment when all of the following equipment are operating:

Device ID: D26 [MILL]

Device ID: D27 [MILL]

[Devices subject to this condition : D88]

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : C20, C21, C32, C35, C90, C91]

E113.1 The operator shall have the burner equipped with a control system to automatically regulate the combustion air, fuel and, if applicable, recirculated flue gas as the boiler load varies. This control system shall be adjusted and tuned at least once a year according to the manufacturer's specifications to maintain its ability to repeat the same performance at the same firing rate.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D1, D2, D3]

E144.1 The operator shall vent this equipment, during filling, only to the vessel from which it is being filled.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D182, D183]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

E179.1 For the purpose of the following condition number(s), maintenance testing shall be defined as maintenance testing not to exceed 30 minutes per month.

Condition Number 75-1

Condition Number SUGGESTED CHARCONDITION CONDITION PARAMETER NOT SET UP

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D1, D2]

E179.2 For the purpose of the following condition number(s), continuous monitoring shall be defined as recording at least once every hour.

Condition Number 12-6

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D102, D103]

E179.3 For the purpose of the following condition number(s), breakthrough shall be defined as H₂S concentration at the outlet of the No. 2 carbon to be 1.0 ppm or greater, as measured by the H₂S continuous emission monitoring device..

Condition Number D 232- 1

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D102, D103]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

E193.1 The operator shall restrict the operation of this equipment as follows:

- A) All three boilers D1, D2, and D3 can only operate simultaneously when both gas turbines are out of service; or
- B) Both gas turbines and the associated duct burners D102, D104, D103, and D105 can only operate simultaneously when no more than one of the above three boilers is in service; or
- C) Only one of the above gas turbines and its duct burner can operate when no more than two of the three boilers are in service.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D1, D2, D3, D102, D103]

E395.1 The operator shall tune-up this equipment once a year in accordance with the tune-up procedure specified by the manufacturer. The tune-up shall be conducted while the boiler is burning fuel oil and shall only be required when the boiler fuel oil consumption exceeds 2 million gallons in any one calendar year. The operator shall keep records in accordance with the recordkeeping requirements in Section K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : D1, D2]

H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[RULE 1122, 7-11-1997]

[Devices subject to this condition : E94]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	461

[RULE 461, 9-8-1995; RULE 461, 4-21-2000]

[Devices subject to this condition : D7, D8]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463

[RULE 463, 3-11-1994]

[Devices subject to this condition : D7]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
SOX	District Rule	431.2
PM	District Rule	1470

[RULE 1470, 4-2-2004; RULE 1470, 3-4-2005; RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

[Devices subject to this condition : D5, D6, D116]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
NOX	District Rule	1110.2
VOC	District Rule	1110.2
CO	District Rule	1110.2

[Devices subject to this condition : D96, D98]

J. Rule 461

J109.1 The operator shall use, except for diesel transfer, the phase I vapor recovery system in full operation whenever this equipment is in use. This system shall be installed, operated and maintained to meet all CARB certification requirements.

[RULE 461, 9-8-1995; RULE 461, 4-21-2000]

[Devices subject to this condition : D7]

J110.1 The operator shall use, except for diesel transfer, the phase II vapor recovery system in full operation whenever gasoline from this equipment is dispensed to motor vehicles as defined in Rule 461. This system shall be installed, operated and maintained to meet all CARB certification requirements.

[RULE 461, 9-8-1995; RULE 461, 4-21-2000]

[Devices subject to this condition : D8]

J123.1 The operator shall not dispense fuel from this equipment into motor vehicles.

[RULE 461, 9-8-1995; RULE 461, 4-21-2000]

[Devices subject to this condition : D38]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

J373.1 The operator shall comply with the following gasoline transfer and dispensing requirements:

a). The Phase II vapor recovery systems shall be installed, operated, and maintained such that the maximum allowable pressure through the system including nozzle, vapor hose, swivels, and underground piping does not exceed the dynamic back pressures described by the California Air Resources Board (CARB) Executive Order by which the system was certified:

Nitrogen Flowrates (CFH)	Dynamic Back Pressure (Inches of Water)
20	0.15
40	0.16
60	0.35
80	0.62
100	0.95

As required by AQMD Rule 461 or CARB Executive Order, dynamic back pressure tests shall be conducted to determine the Phase II system vapor recovery back pressures. The tests shall be conducted in accordance with CARB Test Procedure Method TP-201.4. Results shall be submitted to the AQMD, Engineering and Compliance, within 48 hours of tests.

The AQMD shall be notified by e-mail at R461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least seventy two (72) hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the dynamic back pressure test.

The test shall be conducted as frequently as that required by the most recent amendment to Rule 461 or CARB Executive Order requirements, whichever is more stringent.

b). At least once every year, a static pressure leak decay test shall be conducted to demonstrate that the storage tanks, the remote and/or nozzle vapor recovery check valves, associated vapor return piping and fittings are free from vapor leaks. The test shall be conducted in accordance with CARB Test Procedure Method TP-201.3. Results shall be submitted to the AQMD, Engineering and Compliance, within thirty (30) days of the test.

The AQMD shall be notified by e-mail at R461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least twenty-four hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the static pressure leak decay test.

c). If the CARB Executive Order requires the installation of a liquid removal device, a liquid removal rate test shall be conducted to demonstrate the removal of gasoline from the vapor passage of the coaxial hose. The test shall be conducted within thirty days of initial installation and in accordance with CARB test

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

procedure Method TP-201.6. Results shall be submitted to the AQMD, Engineering and Compliance, within thirty (30) days of the test.

The AQMD shall be notified by e-mail at r461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least twenty-four hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the liquid removal rate test.

[**RULE 461, 4-21-2000**; RULE 461, 6-15-2001]

[Devices subject to this condition : D8]

J373.2 The operator shall comply with the following gasoline transfer and dispensing requirements:

a). At least once every year, a static pressure leak decay test shall be conducted to demonstrate that the storage tanks, the remote and/or nozzle vapor recovery check valves, associated vapor return piping and fittings are free from vapor leaks. The test shall be conducted in accordance with CARB Test Procedure Method TP-201.3. Results shall be submitted to the AQMD, Engineering and Compliance, within thirty (30) days of the test.

The AQMD shall be notified by e-mail at R461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least twenty-four hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the static pressure leak decay test.

[**RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995**]

[Devices subject to this condition : D7]

K. Record Keeping/Reporting

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv), corrected to 15 percent oxygen, dry basis.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 15 percent oxygen.

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

Emission data shall be expressed in terms of lbs/MM cubic feet.

Source test results shall also include turbine fuel flow rate under which the test was conducted.

Source test results shall also include turbine and generator output under which the test was conducted.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2005, 4-9-1999]

[Devices subject to this condition : D102, D103]

K48.1 The operator shall maintain records in a manner approved by the District, to demonstrate compliance with the following condition number(s):

Condition no. 113-1

Condition Number SUGGESTED CHARCONDITION CONDITION PARAMETER NOT SET UP

[RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]

[Devices subject to this condition : D1, D2, D3]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : E95]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The name of the person performing the inspection and/or maintenance of the dust collector

The date, time and results of the inspection

The date, time and description of any maintenance or repairs resulting from the inspection

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : C20, C21, C32, C35, C90, C91, E92]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Monthly and annual gasoline fuel received

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : D7]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

All records and test results that are required to be maintained by Rule 461

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : D8]

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Emergency use hours of operation

Maintenance and testing hours of operation

Hours of operation for emission testing to show compliance with district rules

Initial start-up hours (commissioning)

Other operating hours (describe reason for operation)

Hours of operation to comply with NFPA

The above records shall be maintained on a monthly basis.

[RULE 1470, 4-2-2004; RULE 1470, 3-4-2005]

[Devices subject to this condition : D5, D6, D116]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

K67.6 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The time engine is manually started

The date of operation

The timer reading in hours at the beginning and end of operation

The reason for operation

The above records shall be kept on the premises for a minimum of three years. The total hours of operation shall be recorded sometime during the first 15 days of January of each year.

[RULE 1470, 4-2-2004; RULE 1470, 3-4-2005]

[Devices subject to this condition : D5, D6, D116]

K67.8 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Monthly gallons of ethanol transferred to this tank

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D182, D183]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2 : INTERNAL COMBUSTION ENGINES					
System 3 : GAS TURBINES POWER GENERATION					
CO OXIDATION CATALYST, ENGELHARD, PLATINUM ON ALUMINA SUBSTRATE, WITH 24.8 CUBIC FEET OF TOTAL CATALYST VOLUME A/N: 484117 † Permit to Construct Issued: 02/24/05	C107	D102 D104 C106			
SELECTIVE CATALYTIC REDUCTION, ENGELHARD VNX, 246 CU.FT.; WIDTH: 13 FT 4 IN; HEIGHT: 9 FT 3 IN; LENGTH: 2 FT A/N: 484117 † Permit to Construct Issued: 02/24/05	C106	C107 S112			
CO OXIDATION CATALYST, ENGELHARD, PLATINUM ON ALUMINA SUBSTRATE, WITH 24.8 CUBIC FEET OF TOTAL CATALYST VOLUME A/N: 484117 † Permit to Construct Issued: 02/24/05	C109	D103 D105 C108			
SELECTIVE CATALYTIC REDUCTION, ENGELHARD VNX, 246 CU.FT.; WIDTH: 13 FT 4 IN; HEIGHT: 9 FT 3 IN; LENGTH: 2 FT A/N: 484117 † Permit to Construct Issued: 02/24/05	C108	C109 S113			

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| <ul style="list-style-type: none"> * (1) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5)(5A)(5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.) (10) See Section J for NESHAP/MACT requirements |
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** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4 : BEER PRODUCTION					
System 3 : BEER MANUFACTURING/TANKS					
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 485132 Permit to Construct Issued: 02/05/09	D216	D219			C1.8, E71.4
TANK, FERMENTATION, BEER, 7119 BBL; DIAMETER: 30 FT; HEIGHT: 34 FT A/N: 485132 Permit to Construct Issued: 02/05/09	D217	D219			C1.9, E71.5
System 5 : HIGH GRAVITY BEER					
BULK MATERIAL UNLOADING STATION, HIGH GRAVITY BEER, 300,000 GALLONS/DAY A/N: 485128 Permit to Construct Issued: 02/05/09	D218				E71.10
Process 8 : WASTEWATER SYSTEM					
System 1 : WASTEWATER TREATMENT PLANT					
TANK, HOLDING, SUMP WITH SCREEN, 12000 GALS; WIDTH: 15 FT; HEIGHT: 20 FT; LENGTH: 15 FT A/N: 484141 † Permit to Construct Issued: 05/30/07	D159				
TANK, CALAMITY, 187127 GALS; DIAMETER: 32 FT 8 IN; HEIGHT: 32 FT 8 IN A/N: 484141 † Permit to Construct Issued: 05/30/07	D160	C220			

- * (1) Denotes RECLAIM emission factor (2) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 8 : WASTEWATER SYSTEM					
TANK, EQUALIZATION, 618598 GALS; DIAMETER: 59 FT 5 IN; HEIGHT: 32 FT 8 IN A/N: 484141 † Permit to Construct Issued: 05/30/07	D161	C220			
STORAGE TANK, HYDROCHLORIC ACID, 250 GALS; WIDTH: 4 FT; HEIGHT: 4 FT; LENGTH: 4 FT A/N: 484141 † Permit to Construct Issued: 05/30/07	D162				
HEAT EXCHANGER, NO. 1 A/N: 484141 † Permit to Construct Issued: 05/30/07	D164				
HEAT EXCHANGER, NO. 2 A/N: 484141 † Permit to Construct Issued: 05/30/07	D165				
TANK, MIXING, 7847 GALS; DIAMETER: 15 FT 4 IN; HEIGHT: 8 FT 6 IN A/N: 484141 † Permit to Construct Issued: 05/30/07	D179	C220			
STORAGE TANK, SODIUM HYDROXIDE, 2500 GALS; DIAMETER: 7 FT 7 IN; HEIGHT: 8 FT A/N: 484141 † Permit to Construct Issued: 05/30/07	D163				
TANK, EFFLUENT, 1150 GALS; DIAMETER: 3 FT; HEIGHT: 14 FT 10 IN A/N: 484141 † Permit to Construct Issued: 05/30/07	D167	C220			

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|---|---|
| <p>* (1) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5)(5A)(5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See Section J for NESHAP/MACT requirements</p> |
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** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 8 : WASTEWATER SYSTEM					
TANK, SLUDGE HOLDING, 59319 GALS; DIAMETER: 21 FT 6 IN; HEIGHT: 24 FT 9 IN A/N: 484141 † Permit to Construct Issued: 05/30/07	D168	C220			
TANK, POST AERATION, 59319 GALS; DIAMETER: 21 FT 6 IN; HEIGHT: 24 FT 9 IN A/N: 484141 † Permit to Construct Issued: 05/30/07	D169	C172 C220			
TANK, EFFLUENT FLUME A/N: 484141 † Permit to Construct Issued: 05/30/07	D170				
HEAT EXCHANGER, NO. 3 A/N: 484141 † Permit to Construct Issued: 05/30/07	D166				
System 2 : METHANE REACTOR					
REACTOR, METHANE, HEIGHT: 24 FT 9 IN; DIAMETER: 84 FT 8 IN A/N: 484142 † Permit to Construct Issued: 05/30/07	D171	C172 C174 C220			
System 3 : AIR POLLUTION CONTROL					
SCRUBBER, TRAY, SOX, MODEL NO. BS400/1, COUNTER-CURRENT, WITH 15 HP EXHAUST BLOWER, HEIGHT: 8 FT; DIAMETER: 20 FT A/N: 484144 † Permit to Construct Issued: 05/30/07	C172	D169 D171 D175 D176 C180			C8.1, C10.1, C12.1, D12.13

- * (1) Denotes RECLAIM emission factor (2) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 8 : WASTEWATER SYSTEM					
CARBON ADSORBER, THREE 1,000 POUND CANISTERS IN SERIES, WITH ACTIVATED CARBON ADSORPTION A/N: 484144 † Permit to Construct Issued: 05/30/07	C180	C172 D175 D176			D232.1, E179.3
FLARE, GROUND FLARE, GWE, MODEL NO. HS666B8XXXXP, AUTO IGNITION, STANDBY/EMERGENCY A/N: 484147 † Permit to Construct Issued: 05/30/07	C174	D171		CO: 150 PPMV DIGESTER GAS (3) [RULE 1303(b)(2)-Offset,5-10-1996] ; NOX: 14 PPMV DIGESTER GAS (3) [RULE 2005,4-20-2001] PM: 0.1 GRAINS/SCF DIGESTER GAS (5) [RULE 409,8-7-1981] ; PM10: 0.37 LBS/HR DIGESTER GAS (5) [RULE 1303(b)(2)-Offset,5-10-1996] ROG: 2 PPMV DIGESTER GAS (5) [RULE 1303(b)(2)-Offset,5-10-1996] ; SO2: 100 PPMV DIGESTER GAS (5) [RULE 1303(b)(2)-Offset,5-10-1996]	C10.2, D12.15, D12.16, D12.17, E80.2, H23.7
CARBON ADSORBER, , TWO CANISTERS IN SERIES, EACH WITH 3000 LB OF KOH IMPREGNATED CARBON A/N:	C220	D160 D161 D167 D168 D169 D171 D179 C222		H2S: 1 PPMV (5)	D90.1, E153.1, K67.7
INJECTOR, HUMIDIFIER A/N:	C222	C173 C220			

- * (1) Denotes RECLAIM emission factor (2) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 8 : WASTEWATER SYSTEM					
BIOFILTER, GWE, MODEL NO. G1500, WIDTH: 7 FT; HEIGHT: 5 FT 4 IN; LENGTH: 21 FT 5 IN A/N:	C173	C221 C222			E202.1
CARBON ADSORBER, , TWO CANISTERS IN SERIES, EACH WITH 3000 LB OF KOH IMPREGNATED CARBON A/N:	C221	C173		H2S: 1 PPMV (5)	D90.1, E153.1, K67.7
System 4 : ELECTRICAL GENERATION					
INTERNAL COMBUSTION ENGINE, LEAN BURN, DIGESTER GAS, GE, MODEL JGE312GS-BL, 752 HP WITH A/N: 484145 † Permit to Construct Issued: 05/30/07	D175	C172 C180	NOX: LARGE SOURCE**	<p>CO: 2000 PPMV DIGESTER GAS (5) [RULE 1110.2.6-3-2005] ; CO: 2.5 GRAM/BHP-HR DIGESTER GAS (4) [RULE 1303(a)(1)-BACT,12-6-2002]</p> <p>NOX: 0.6 GRAM/BHP-HR DIGESTER GAS (4) [RULE 2005,4-20-2001] ; PM10: 0.2 GRAM/BHP-HR DIGESTER GAS (5) [RULE 1303(b)(2)-Offset,5-10-1996]</p> <p>ROG: 0.8 GRAM/BHP-HR DIGESTER GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; ROG: 250 PPMV DIGESTER GAS (5) [RULE 1110.2.6-3-2005]</p>	D12.7, D28.4, D323.2, E262.1, H23.6, K40.2, K171.3

- * (1) Denotes RECLAIM emission factor (2) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit(e.g. NPS, NESHAPS, etc.)
 (9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 8 : WASTEWATER SYSTEM					
GENERATOR, STAMFORD, MODEL NO. HCl 634 H2, 540 KW	D177				
INTERNAL COMBUSTION ENGINE, LEAN BURN, DIGESTER GAS, GE, MODEL JGE312GS-BL, 752 HP WITH A/N: 484146 † Permit to Construct Issued: 05/30/07	D176	C172 C180	NOX: LARGE SOURCE**	CO: 2000 PPMV DIGESTER GAS (5) [RULE 1110.2.6-3-2005] ; CO: 2.5 GRAM/BHP-HR DIGESTER GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996] NOX: 0.6 GRAM/BHP-HR DIGESTER GAS (4) [RULE 2005,4-20-2001] ; PM10: 0.2 GRAM/BHP-HR DIGESTER GAS (5) [RULE 1303(b)(2)-Offset,5-10-1996] ROG: 0.8 GRAM/BHP-HR DIGESTER GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996] ; ROG: 250 PPMV DIGESTER GAS (5) [RULE 1110.2.6-3-2005]	D12.12, D28.5, D323.3, E262.2, H23.7, K40.3, K171.2
GENERATOR, STAMFORD, MODEL NO. HCl 634 H2, 540 KW	D178				

- | | |
|--|--|
| * (1) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits | (2) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See Section J for NESHAP/MACT requirements |
|--|--|

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9 : FLAVORED MALT BEVERAGE LINE					
System 1 : BULK UNLOADING					
BULK MATERIAL UNLOADING STATION, ETHANOL A/N: 484148 † Permit to Construct Issued: 02/05/08	D181				E71.3
VAPOR RETURN LINE, VAPOR BALANCE SYSTEM A/N: 484149 † Permit to Construct Issued: 02/05/08	C184				
BULK MATERIAL UNLOADING STATION, ACTIVATED CARBON AND SOY A/N: 484156 † Permit to Construct Issued: 03/20/08	D198	C199		PM10: (9) [RULE 404,2-7-1986]	C1.6, C1.7, D323.4
BAGHOUSE, HORIZON SYSTEMS, INC., MODEL 58RFT7, WITH 1.5 HP BLOWER, 47 SQ.FT.; 7 BAGS A/N: 484158 † Permit to Construct Issued: 03/20/08	C199	D198			D322.2, D381.2, E102.2, K67.9
System 3 : FLAVORED BEVERAGE BLENDING SYSTEM					
BLENDER, CUT, A/N: 484155 † Permit to Construct Issued: 02/05/08	D185				
TANK, BUFFER, ETHANOL, 219 EXEMPT 484148 † Permit to Construct Issued: 02/05/08	E186				

- * (1) Denotes RECLAIM emission factor (2) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9 : FLAVORED MALT BEVERAGE LINE					
BULK MATERIAL UNLOADING STATION, HIGH FRUCTOSE CORN SYRUP, 219 EXEMPT 484148 † Permit to Construct Issued: 02/05/08	E187				
TANK, STORAGE, HIGH FRUCTOSE CORN SYRUP, JACKETED, STEAM HEATED, 219 EXEMPT 484148 † Permit to Construct Issued: 02/05/08	E188				
BLENDER, CONTINUOUS SYSTEM A/N: 484155 † Permit to Construct Issued: 02/05/08	D189				
BLENDER, DRY INGREDIENTS, 250 GALLONS, 219 EXEMPT 484148 † Permit to Construct Issued: 02/05/08	E190				
TANK, SURGE, THREE TOTAL, 1440 GALLONS EACH, 219 EXEMPT 484148 † Permit to Construct Issued: 02/05/08	E191				
COOLER, 219 EXEMPT 484148 † Permit to Construct Issued: 02/05/08	E192				
INJECTOR, CO2 CARBINATION UNIT, 219 EXEMPT 484148 † Permit to Construct Issued: 02/05/08	E193				

- * (1) Denotes RECLAIM emission factor
- (2) Denotes RECLAIM emission rate
- (3) Denotes RECLAIM concentration limit
- (4) Denotes BACT emission limit
- (5)(5A)(5B) Denotes command and control emission limit
- (6) Denotes air toxic control rule limit
- (7) Denotes NSR applicability limit
- (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (9) See App B for Emission Limits
- (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9 : FLAVORED MALT BEVERAGE LINE					
TANK, SURGE, 250 BARREL CAPACITY A/N: 484155 † Permit to Construct Issued: 02/05/08	D194				
MIXING STATION, FLAVORED MALT BEVERAGE FILLING STATION, 219 EXEMPT 484148 † Permit to Construct Issued: 02/05/08	E197				

- | | |
|---|---|
| <p>* (1) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5)(5A)(5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See Section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

**FACILITY PERMIT TO OPERATE
MILLERCOORS, LLC**

SECTION H: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

**FACILITY PERMIT TO OPERATE
 MILLERCOORS, LLC**

SECTION H: DEVICE ID INDEX

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**FACILITY PERMIT TO OPERATE
MILLERCOORS, LLC**

SECTION H: DEVICE ID INDEX

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FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F14.1 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

This condition shall become effective on or after June 1, 2004.

As of January 1, 2006, the operator shall only use diesel fuel with a sulfur content that does not exceed 15 ppm by weight, unless the operator demonstrates in writing to the Executive Officer that specific additional time is necessary.

The .05 percent sulfur limit shall not apply to existing supplies of any liquid fuel in storage as of October 1, 1993 until such supply is exhausted.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F24.1 Accidental release prevention requirements of Section 112(r)(7):

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[40CFR 68 - Accidental Release Prevention, 5-24-1996]

PROCESS CONDITIONS

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- P28.1 Except for diesel transfers, Phase I vapor recovery systems shall be in full operation whenever fuel is being transferred into storage tanks.

Except for diesel transfers, Phase II vapor recovery systems shall be in full operation whenever fuel is being transferred into motor vehicles, as defined in Rule 461.

All Phase I and Phase II vapor recovery equipment at this facility shall be installed, operated and maintained to meet all California Air Resources Board certification requirements.

[RULE 461, 9-8-1995; RULE 461, 4-21-2000]

[Processes subject to this condition : 3]

DEVICE CONDITIONS

C. Throughput or Operating Parameter Limits

- C1.6 The operator shall limit the throughput to no more than 32400 lb(s) in any one day.

For the purpose of this condition, material processed shall be defined as activated carbon.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D198]

- C1.7 The operator shall limit the throughput to no more than 4500 lb(s) in any one day.

For the purpose of this condition, material processed shall be defined as soy.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D198]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

C1.8 The operator shall limit the material processed to no more than 20,834 barrel(s) in any one month.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D216]

C1.9 The operator shall limit the material processed to no more than 20,834 barrel(s) in any one month.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D217]

C8.1 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 745 gpm.

To comply with this condition, the operator shall monitor the flow rate as specified in condition number 12-13.

[Devices subject to this condition : C172]

C10.1 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is maintained between 7 and 8 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) continuous monitoring system to accurately indicate the pH of the scrubbing solution.

[Devices subject to this condition : C172]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- C10.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is maintained between 1400 and 1500 Deg F.

To comply with this condition, the operator shall install and maintain a(n) continuous monitoring system to accurately indicate the temperature in the combustion chamber.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

This condition shall only apply when the biogas is being vented to the flare from the methan reactor because D175 and/or D176 are in a non-operational status..

[**RULE 1303(b)(5)(A), 5-10-1996; RULE 1303(b)(5)(A), 12-6-2002**]

[Devices subject to this condition : C174]

- C12.1 The operator shall use this equipment in such a manner that the hydrogen sulfide emission being monitored as indicated below is less than or equal to 100 ppmv..

The operator shall install and maintain a continuous monitoring and recording system to accurately measure and record the:

1. H₂S

concentration. In addition, the operator shall keep records, in a manner approved by the District, for this parameter.

[Devices subject to this condition : C172]

D. Monitoring/Testing Requirements

- D12.7 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[**RULE 1110.2, 11-14-1997; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2005, 4-20-2001**]

[Devices subject to this condition : D175]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D12.12 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1110.2, 11-14-1997; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2005, 4-20-2001]

[Devices subject to this condition : D176]

D12.13 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the recirculation line.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : C172]

D12.15 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the flame arrestor.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C174]

D12.16 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the flare stack located at least .6 seconds downstream of the burner and not less than five feet from the top of the stack.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C174]

D12.17 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the flare.

[RULE 2005, 4-20-2001]

[Devices subject to this condition : C174]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D28.4 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine the SO₂ emissions at the outlet using District method 307-91 measured over a 4 hour averaging time period.

The test shall be conducted to determine the CO emissions at the outlet using District method 100.1 measured over a 15 minute averaging time period.

The test shall be conducted to determine the VOC emissions at the outlet using District method 25 or 25.1 measured over a 15 minute averaging time period.

The test shall be conducted NO_x emission using District method 100.1 measured over a 15 minute averaging time period.

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 120 days after initial start-up.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

[RULE 1110.2, 6-3-2005; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : D175]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D28.5 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine the SO₂ emissions at the outlet using District method 307-91 measured over a 4 hour averaging time period.

The test shall be conducted to determine the CO emissions at the outlet using District method 100.1 measured over a 15 minute averaging time period.

The test shall be conducted to determine the VOC emissions at the outlet using District method 25 or 25.1 measured over a 15 minute averaging time period.

The test shall be conducted NO_x emission using District method 100.1 measured over a 15 minute averaging time period.

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 120 days after initial start-up.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

[RULE 1110.2, 6-3-2005; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : D176]

D90.1 The operator shall periodically monitor the H₂S concentration at the outlet of the first carbon canister (first carbon canister is the upstream canister) according to the following specifications:

The operator shall use draeger tube to monitor the parameter.

The operator shall monitor once every day.

The operator shall use this equipment in such a manner that the H₂S being monitored (as indicated above) is less 1.0 ppm at the outlet of the first carbon canister

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : C220, C221]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D232.1 The operator shall install and maintain a continuous emission monitoring device to accurately indicate the H2S concentration at the outlet of the No. 2 carbon canister.

Once there is breakthrough from the exit of the No. 2 carbon canister, the Biogas stream shall be directed to the inlet of the No. 3 canister. The No. 1 and No. 2 carbon canister shall be replaced with new carbon canisters within 24 hours after breakthrough has been detected from Canister No. 2. After breakthrough is detected from Canister No. 2, Canister No. 3 shall become Canister No. 1 and the two new canisters shall be placed in the No. 2 and No. 3 position.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C180]

D322.2 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C199]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD. In addition, the operator shall have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within 72 hours of conversion to fuel oil firing and on a weekly basis thereafter, until the equipment stops firing fuel oil.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D175]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D323.3 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD. In addition, the operator shall have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within 72 hours of conversion to fuel oil firing and on a weekly basis thereafter, until the equipment stops firing fuel oil.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D176]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D323.4 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D198]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C199]

E. Equipment Operation/Construction Requirements

E71.3 The operator shall not use this equipment unless the vapor balance system is connected from the tanker truck and storage tank during filling..

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D181]

E71.4 The operator shall only vent this equipment to the CO2 recovery system. Venting to CO2 recovery system during the first 24 hours of fermentation is optional..

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D216]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

E71.5 The operator shall only vent this equipment to the CO2 recovery system. Venting to CO2 recovery system during the first 24 hours of fermentation is optional..

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D217]

E71.10 The operator shall only transfer material from this equipment to pressurized tanks.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D218]

E80.2 The operator shall not use this equipment when all of the following equipment are operating:

Device ID: D176 [internal combustion engine]

Device ID: D175 [internal combustion engine]

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C174]

E102.2 The operator shall discharge dust collected in this equipment only into closed containers.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C199]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

E153.1 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough shall be defined as when H2S monitoring indicates a concentration of no more than 1.0 ppm at the outlet of the first carbon canister.

To change over the carbon, the operator shall replace the first carbon canister with a fresh carbon canister. After the new carbon canister is installed, it shall become the last carbon canister in series. The previous sequencing of the remaining carbon canisters shall remain the same.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C220, C221]

E179.3 For the purpose of the following condition number(s), breakthrough shall be defined as H2S concentration at the outlet of the No. 2 carbon to be 1.0 ppm or greater, as measured by the H2S continuous emission monitoring device..

Condition Number D 232- 1

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C180]

E202.1 The operator shall clean and maintain this equipment according to the following specifications:

in accordance to manufacturer specification for humidity and nutrient

[Devices subject to this condition : C173]

E262.1 The operator shall, in addition to the requirement(s) of condition(s) listed below, include the item(s) listed below.

Condition Number D 28- 4

The operator shall submit a source test protocol 60 days prior to the source test.

[Devices subject to this condition : D175]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

E262.2 The operator shall, in addition to the requirement(s) of condition(s) listed below, include the item(s) listed below.

Condition Number D 28- 4

The operator shall submit a source test protocol 60 days prior to the source test.

[Devices subject to this condition : D176]

H. Applicable Rules

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant

VOC District Rule 1110.2

CO District Rule 1110.2

[Devices subject to this condition : D175]

H23.7 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant

H2S District Rule 431.1

[RULE 431.1, 6-12-1998]

[Devices subject to this condition : C174, D176]

K. Record Keeping/Reporting

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

K40.2 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv) corrected to 15 percent oxygen (dry basis), mass rate (gram/bhp-hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 15 percent oxygen.

Source test results shall also include the operating conditions of the basic equipment under which the test was conducted.

[Devices subject to this condition : D175]

K40.3 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv) corrected to 15 percent oxygen (dry basis), mass rate (gram/bhp-hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 15 percent oxygen.

Source test results shall also include the operating conditions of the basic equipment under which the test was conducted.

[Devices subject to this condition : D176]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

K67.7 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Daily H2S concentration by Draeger Tube or equivalent
carbon replacement dates

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : C220, C221]

K67.9 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The name of the person performing the inspection and/or maintenance of the dust collector
The date, time and results of the inspection
The date, time and description of any maintenance or repairs resulting from the inspection

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : C199]

K171.2 The operator shall notify the District if any of the following situations occur:

A breakdown or shutdown of the IC engine which causes the biogas to be diverted to the Flare.
The notification shall be submitted as specified in Rule 430.

[**RULE 430, 7-12-1996**]

[Devices subject to this condition : D176]

FACILITY PERMIT TO OPERATE MILLERCOORS, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

K171.3 The operator shall notify the District if any of the following situations occur:

A breakdown or shutdown of the IC engine which causes the biogas to be divered to the Flare.

The notification shall be submitted as specified in Rule 430.

[RULE 430, 7-12-1996]

[Devices subject to this condition : D175]