



South Coast Air Quality Management District

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

July 27, 2010

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

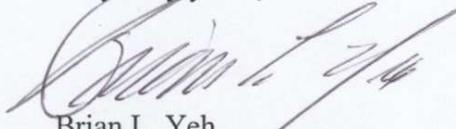
Dear Mr. Rios:

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 a biogas sulfur removal scrubbing system and a flare. MillerCoors is a beer 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 July 28, 2010.

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,



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: 14	PAGE: 1
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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: 501586, 500634, and 500636

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

APPLICATIONS:

APPLICATION	DESCRIPTION	PREVIOUS APPLICATION AND (PERMIT) NUMBERS	APPLICATION TYPE
501586	RECLAIM/TV AMEND	N/A	CLASS III
500634	FLARE, DIGESTER GAS	484147	CLASS I (MODIFICATION)
500636	SULFUR REMOVAL SYSTEM	484144	CLASS I (MODIFICATION)

BACKGROUND:

The facility above is a RECLAIM/TV facility. The applications are for modification of the existing sulfur removal system and a standby/emergency flare currently in section H of the permit. The facility is located at 15801 E. 1ST Street, Irwindale, CA 91706. In 2007, Miller installed a wastewater treatment system to treat the brewery wastewater before disposal into LA County sewer system. The wastewater treatment would have provided the major following benefits: It would have allowed the facility to generate biogas to run two cogeneration systems producing electrical power and heat (resource recovery), and to reduce their BOD (Biological Oxygen Demand) organics to LA County sewer system. The cogeneration systems produce about 1.0 MW of electricity. Miller installed a

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sulfur removal system to treat the biogas (digester gas) before it supplied to the cogeneration system as fuel. Miller also installed a flare to control biogas during emergencies, engine failure, and short period shutdowns for minor services and repairs. The equipment were designed and installed with only one bypass piping connecting the digester tank to the flare. The initial design and installation did not include provisions to flare treated biogas during non-emergency conditions such as engine failure, downtimes for minor services and equipment restart. As stated above, occasionally biogas must be flared that are not considered emergency or breakdown under rule 431.1. Any flaring scenario, except emergencies covered under AQMD breakdown Rule 430, will be in violation of rule 431.1. The facility filed and obtained approval for an order of abatement to continue operation until the equipment is modified to comply with rule 431.1. The applications above have been submitted to modify equipment to flare biogas (when they must) in compliance with 431.1.

There are no regulatory guidelines on operation of emergency/standby flare for biogas control during resource recovery equipment downtime. The previous permit did not include any limit on flare operating time. But to minimize non-emergency flaring, we asked Miller to provide information including reasons and duration of flaring. Facility explains that any cogen downtime is very costly to them as they have to purchase electricity to offset the loss of electricity generated by the cogens. Facility also explains extreme measures are taken to utilize the cogen as much possible and flare as less as possible. Facility further explains wastewater treatment system and biogas generation is a biological process, and the system will not perform well with fluctuating operating parameters. Also fluctuation in operation could damage the equipment. Therefore not allowing short time flaring during engine breakdowns or short time service downtimes, the digester has to be shut down and this will have a significant negative impact on their treatment plant and cogeneration systems. If the provision of standby is removed, the digester must be shutdown, which it will take hours or days to bring up the digester to the point that quality gas can be produced to operate the cogens. Air intrusion into the digester or piping is another problem. Digester shutdown or slowdown, and some maintenance activity could also result into air intrusion in to the system that makes flaring necessary. Air in the gas will not allow the startup of the engines or trips the engines if operating. Facility has streamlined their operation, minimizing flaring events. Facility states based on their experience 6 hours per week per engine (total of 52 hours per month) of flaring is required to maintain operation without process/equipment impairment. For major engine works or scheduled activities on biogas system or treatment plant, the wastewater treatment system including the digester will be shut down and no biogas will be generated. In emergencies, wastewater is diverted to sewer system, therefore biogas is not produced.

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

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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. Facility also operates a wastewater treatment system with brewery activated biosolid digester tank, digester gas sulfur removal system, biofuel electrical power generating engines, and odor control equipment.

APPLICATION 501586, TV/RECLAIM PERMIT AMENDMENT:

MillerCoors submitted this application to amend the facility permit. The amendment will include physical equipment modification, change of conditions, and change in emission requirements for the Flare and Sulfur Removal System. The changes are described in separate sections below.

APPLICATION 500634, ALTERATION TO BIOGAS FLARE, (PREVIOUS A/N 484147):

MillerCoors installed a treatment plant to treat wastewater generated from brewery operation at the facility. The wastewater treatment system consists of several process tanks. The wastewater with suspended organics (BOD) in the wastewater is pumped into a digester tank. The digestion process generates gas with approximately 80% methane with remaining being CO2 and moisture. The gas is treated and used as a fuel in two 725 HP engines, producing about 1.0 MW of electrical power, providing approximately 20% of facility's power demand. Facility is anticipating that in the future they will upgrade the engines to higher output.

The flare is currently permitted as a standby/emergency flare. The flare is connected directly to the digester tank meaning there is no sulfur removal before flaring. Engine shut down, engine failure, system purge, and re-start are not considered emergencies or breakdown to combust biogas untreated in violation of 431.1 sulfur limit. This has caused the facility to be in violation of rule 431.1 when any flaring events occur except during failure of the sulfur removal equipment or emergency venting of the digester tank. New biogas piping will be installed to connect the biogas to the flare after the sulfur removal system. This will allow the facility to control biogas in compliance with rule 431.1 when flaring is required. The existing biogas piping from the digester tank to the flare will remain in place for the event when there is failure of the biogas treatment system or upset conditions of the digester tank requiring an emergency venting. The biogas treatment system consists of a wet scrubber and three 1000 lb KOH impregnated carbon vessels in series. The biogas sulfur removal system will be discussed in the next section. The total flaring time will be limited to 52 hours per month.

The change to the equipment and recommended permit conditions and emission requirements are as follow:

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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 3: AIR POLLUTION CONTROL					
FLARE, GROUND FLARE, GWE, MODEL NO. HS666B8XXXXP, AUTO IGNITION, STANDBY/EMERGENCY A/N: 484147 <u>500634</u> Permit to Construct Issued: 05/30/07	C174	D171, <u>C180</u>		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) [1303(b)(2) Offset,5- 10-1996] H2S 40 PPM DIGESTER GAS (5) [RULE 431.1, 6-12- 1998]	C10.2, D12.15, D12.16, D12.17, E80.2 <u>E71.12, H23.7</u>

CONDITIONS:

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.

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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 methane reactor because D1 75 and/or D1 76 are in a non-operational status.

[RULE 1303(a)(1)-BACT]

[Devices subject to this condition: C174]

C 1.14 The operator shall limit the operating time to no more than 52 hour(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 C174]

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]

[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 0.6 seconds downstream of the burner and not less than five feet from the top of the stack.

[RULE 1303(a)(1)-BACT]

[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]

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

Device ID: D 176 [internal combustion engine]
Device ID: D 175 [internal combustion engine]

[RULE 1303(b)(2)-OFFSET, RULE 2005]

[Devices subject to this condition: C174]

E71.12 The operator shall not flare digester gas in this equipment unless the total sulfur content of the digester gas is less than 40 ppm measured as H₂S, except during failure of sulfur removal equipment or digester tank upset conditions. The flaring shall be limited to the digester gas in the tank and no further gas shall be generated until the sulfur removal system is fully functional.

[RULE 431.1]

[Devices subject to this condition: C174]

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]

[Devices subject to this condition: C174]

PROCESS DESCRIPTION:

The flare is an emergency and standby flare. It is installed to temporary flare digester gas during digester tank upset condition or cogen downtime. Digester gas contains a sulfur content of 3,500-4000 ppm measured as H₂S; therefore, it is treated for sulfur removal before it is used as fuel in the engines. The gas at the outlet of the sulfur removal system has less than 1 ppm H₂S. From the proposed modification, whether the gas combusted in the cogens or flared, the H₂S concentration of the digester gas will be below Rule 431.1 requirement, except during breakdown of the sulfur removal system or digester tank upset conditions. In this event, the material inflow to the digester tank will be diverted to the sewer to prevent further gas generation. The remaining BOD material in the tank will go through digestion and gas generation for about two hours. The gas produced will be flared uncontrolled under Rule 430 breakdown provisions.

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Currently, biogas is produced at a rate of 300-330 cfm, equivalent to cogeneration systems gas demands.

EMISSIONS:

The flare is emergency and standby equipment. It will operate for short durations when a biogas engine or one of its components goes down by accident or by will for a quick service. Since the engines are permitted to operate 24 hrs/day 7 days/week and there is a permit condition limiting the flare operation only when one or both engines are not operating, there is no increase in emissions as a result of operating the flare. SOX emission is higher when the flare is triggered and the sulfur removal system is inoperable (emergencies). However emergency flaring will not be more than two hours in duration. For the reasons stated above, no emissions were accumulated for the flare in previous evaluation. In previous evaluation under emission calculation section it was concluded since the flare operates only when one or two engines are not operating, there is no net increase in the emissions (flare has lower emission rate compared to the engines). The emissions previously assessed for the flare are stated below. The same will be followed in this evaluation except for SOX. The total operating time of the flare will be limited to 6 hours/week/flare/engine (12 hours/week total, or 52 hours/month total).

NOX = 0.994 lb/hr (14 ppm @ 3% O2)
CO = 6.87 lbs/hr (150 ppm @ 3% O2)
PM10 = 0.37 lb/hr
VOC = 1.1 lb/hr (2 ppmv @3% O2)
SOX = 0.919 lb/hr (100 ppm @3% O2)

As stated earlier, the assessments were for reference only. The flare is standby equipment and only operates for short duration when a cogen system goes down. The only change in this evaluation is the change in concentration limit of sulfur for the biogas entering the flare. The emission will be calculated for SOX assuming 4000 ppm (uncontrolled) and 1 ppm (controlled) sulfur content as H2S. The other emissions will remain as previously calculated. The flare can handle 385 cfm of biogas:

Maximum biogas: 385 cfm
BTU rating: 15.197 mmbtu/hr
Full air supply: 23.98 scf air / scf biogas
Flue gas S.T.P. 8716 scf/m

Since the uncontrolled sulfur content could be as high as 4000 ppmv (emergencies) and the control H2S shall not exceed (40 ppm, Rule limit, 1.0 ppm actual) the SOX could be calculated as follow:

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1 mole of H₂S produces 1 mole of SO₂, therefore SOX can be calculated by multiplying the fuel flow by H₂S concentrations.

When combusting biogas under controlled conditions the maximum H₂S at the outlet of the sulfur removal system will be less than 1 ppm and uncontrolled will be less than 4000 ppm.

$$\begin{aligned} \text{SOX (maximum uncontrolled)} &= (385 \text{ cfm})(4000 \text{ ppm})(64 \text{ lb SO}_2 \text{ /mole})(1 \text{ lb-mole /379 cf})(60 \\ &\text{ min/hr}) \\ &= 15.6 \text{ lb/hr (uncontrolled)} \end{aligned}$$

$$\begin{aligned} \text{SOX (Rule limit)} &= (385 \text{ cfm})(40 \text{ ppm})(64 \text{ lb SO}_2 \text{ /mole})(1 \text{ lb-mole /379 cf})(60 \\ &\text{ min/hr}) \\ &= 0.16 \text{ lb/hr (Rule limit)} \end{aligned}$$

$$\begin{aligned} \text{SOX (maximum controlled)} &= (385 \text{ cfm})(1 \text{ ppm})(64)(1/379)(60) \\ &= 0.0039 \text{ lb/hr (controlled)} \end{aligned}$$

The emissions above are for reference only. The emissions from combustion of biogas are accumulated under the cogen systems.

APPLICATION 500636, ALTERATION TO AN EXISTING BIOGAS SCRUBBING SYSTEM, (PREVIOUS A/N 484144):

The biogas scrubber will be modified to include a gas line to the flare after gas treatment system. Previously, the flare was directly connected to the digester tank with no provision to flare gas in accordance to Rule 431.1. This application was submitted to flare digester gas in compliance with AQMD Rule 431.1 when there is excess gas due to engine shutdown or engine failure. A gas pipe with an automatic control system will be installed to route the treated digester gas to the flare. When digester gas is in excess of the demand, the gas will be routed to the flare. This happens during unpredictable engine(s) shutdown. For scheduled shutdowns, facility reduces the material flow to the digester to reduce biogas generation. The only physical modification to the equipment is the piping configuration and gas flow control system. Also, there is a permit condition limiting the H₂S concentration to 100 ppm at the outlet of the scrubber (condition C12.1). Facility states due to high sulfur in the biogas, this limit can not be maintained at all times putting the facility in violation of the permit condition. Facility states the scrubber is followed by three carbon vessels reducing sulfur to less than 1 ppm at the outlet of the carbon, therefore the existing limit is redundant. This condition will be revised to assure compliance with operational flexibility.

The subject equipment is as follow. The strikethrough text indicates deletion and the underlined text indicates modification or new addition.

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EQUIPMENT	ID NO	CONNECTED TO	RECLAIM SOURCE TYPE	EMISSIONS & REQUIREMENT.	EQUIPMENT SPECIFIC CONDITIONS
Process 8: WASTEWATER SYSTEM					
System 3 : AIR POLLUTION CONTROL					
SCRUBBER, TRAY, SO _x SULFUR, MODEL NO. B5400/1, COUNTER-CURRENT, WITH 15 HP EXHAUST BLOWER, HEIGHT: 8 FT; DIAMETER: 20 FT A/N: 484144 <u>500636</u> Permit to Construct Issued: 05/30/07	C172	D169 D171 D175-D176 C180			C8.1, C10.1, C12.1 , D12.13
CARBON ADSORBER, THREE 1,000 POUND CANISTERS IN SERIES, WITH ACTIVATED CARBON ADSORPTION A/N: 484144 <u>500636</u> Permit to Construct Issued: 05/30/07	C180	C172 D175 D176 <u>C174</u>		<u>H2S 1 PPM</u> <u>DIGESTER GAS (5)</u> <u>[RULE 1303(b)(2)-</u> <u>Offset,5-10-1996]</u>	D232.1, <u>E179.3</u>

The scrubber is not directly connected to the engines. It is connected to the 1000 lb/vessel carbon train and then to the engines.

CONDITIONS:

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

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 745gpm.

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

[RULE 1303(a)(1)-BACT]

[Devices subject to this condition: C172]

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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.

[RULE 1303(a)(1)-BACT]

[Devices subject to this condition: C172]

~~**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]~~

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]

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]

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[Devices subject to this condition: C180]

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 monitoring device.

Condition Number D231-1

[RULE 1303(a)(1)-BACT]

PROCESS DESCRIPTION:

The gas produced in the digester tank is scrubbed for sulfur removal by a wet scrubber and KOH impregnated carbon train prior to combustion into two 725 HP engines. In addition to the digester tank, the post aeration tank (Device D169) is also vented to the scrubber. The post aeration tank is used to remove residual sulfide in wastewater generated by the digester tank. The water is treated with oxygen and chemical oxidizing any remaining sulfur in the water. The treated water which is sulfide free is then sent to the Biogas scrubber as the scrubbing water. The scrubbing solution is maintained at about 7.3 pH. The scrubber is counter current flow type with scrubber solution being gravity fed from the top at a rate of 745 gpm and the biogas and the vapor from post aeration tank fed from the bottom of the scrubber. The scrubbing solution is then sent to post aeration tank where the sulfur is removed.

EMISSIONS:

DATA:

The biogas treatment is an enclosed operation. The gas is scrubbed by the wet scrubber and carbon and then supplied to the engines. No air contaminant is generated by this system. The emission calculation is mainly to determine carbon service duration before saturation, and what monitoring requirement should be established for the carbon.

Maximum flow: 385 cfm
H2S concentration: 4000 ppm

$$\begin{aligned} \text{H2S (uncontrolled)} &= (385 \text{ cfm})(4000 \text{ ppm})(32 \text{ lb/mole})(1 \text{ lb-mole} / 379 \text{ cf})(60\text{min/hr}) \\ &= 7.8 \text{ lb/hr} \end{aligned}$$

The wet scrubber has 90% sulfur removal efficiency:

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$$(4000 \text{ ppm})(1-0.9) = 400 \text{ ppmv}$$

$$\begin{aligned} \text{H}_2\text{S (scrubber outlet)} &= (385 \text{ cfm})(400 \text{ ppm})(32 \text{ lb/mole})(1 \text{ lb-mole} / 379 \text{ cf})(60 \text{ min/hr}) \\ &= 0.78 \text{ lb/hr} \\ &= 0.78 \times 24 \text{ hrs/day} = 18.72 \text{ lb/day} \end{aligned}$$

There are three 1000 lb carbon vessels in series. Assuming 20% adsorption capacity for carbon:

$$\text{Carbon saturation: } (1000 \text{ lb carbon})(20\%) = 200 \text{ lb adsorption capacity.}$$

$$\text{Number of days before the vessel saturates: } [200 \text{ lb}] / [18.72 \text{ lb/day}] = 10.68 \text{ days}$$

The most upstream carbon shall last about 10 days before it saturates. The system is equipped with continuous H₂S monitoring system, and currently it is required

HEALTH RISK ASSESSMENT:

Modification with no emission increase, HRA is not required

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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:
Modification with no emission increase, including 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 431.1 Sulfur Content of Gaseous Fuels:
Compliance with 40 ppm sulfur in digester gas is expected.

Rule 1131: Food Product manufacturing and Processing Operations:
Breweries are exempt from this Rule. [Ruel 1131(g)(2)(B)]

REGULATION XIII: New Source Review:

BACT: Flare is a control device. BACT is 0.6 sec residence time and 1400 degrees Fahrenheit. The flare is expected to comply with these requirements. Scrubber-carbon combination is expected to achieve sulfur removal to a high degree, therefore it is considered BACT for this type of operation. Compliance with BACT is met.

Modeling: Modification with no emission increase, modeling for VOC is not required.

Offset: Modification with no emission increase, offset is not required.

 <p style="text-align: center;"> SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION PERMIT APPLICATION EVALUATION AND CALCULATIONS </p>	PAGES: <p style="text-align: center;">14</p>	PAGE: <p style="text-align: center;">14</p>
	APPLICATION NO: <p style="text-align: center;">See Page 1</p>	DATE: <p style="text-align: center;">10/19/09</p>
	PROCESSED BY: <p style="text-align: center;">H. N.</p>	CHECKED BY:

Rule 1401: New Source Review of Toxic Air Contaminants:

No emission increase. In compliance with this rule.

Regulation XX: RECLAIM:

The facility is NOX RECLAIM facility. No NOX emission increase 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 equipment, subject to the conditions stated above.

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 I: BOILERS					
BOILER, NO.2, FUEL OIL NO. 2, NATURAL GAS, KEELER, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, OXYGEN CONTENT CONTROL, 59.6 MMBTU/HR WITH A/N: 484107 BURNER, FUEL OIL NO. 2, NATURAL GAS, TAMPELLA KEELER/FABER, MODEL WB-23-1/2-FGR, WITH LOW NOX BURNER, 59.6 MMBTU/HR	D2		NOX: MAJOR SOURCE**	CO: 400 PPMV (5) [RULE 1146, 5-13-1994]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 6.23 LBS/1000 GAL FUEL OIL 2 (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: 0.01 GRAINS/SCF (5B) [RULE 476, 10-8-1976]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM: 11 LBS/HR (5A) [RULE 476, 10-8-1976]; SOX: 500 PPMV (5) [RULE 407, 4-2-1982]	B61.1, B75.1, D12.1, D12.2, D28.1, D82.1, D328.1, D371.1, E17.1, E73.1, E113.1, E179.1, E193.1, E395.1, K48.1
BOILER, NO.3, NATURAL GAS, KEELER, WITH LOW NOX BURNER, OXYGEN CONTENT CONTROL, 59.6 MMBTU/HR WITH A/N: 484115 BURNER, NATURAL GAS, DETROIT STOKER COMPANY, WITH LOW NOX BURNER, 59.6 MMBTU/HR	D3		NOX: MAJOR SOURCE**	CO: 400 PPMV (5) [RULE 1146, 5-13-1994]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; PM: 0.01 GRAINS/SCF (5B) [RULE 476, 10-8-1976]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM: 11 LBS/HR (5A) [RULE 476, 10-8-1976]; SOX: 500 PPMV (5) [RULE 407, 4-2-1982]	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.

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 2: INTERNAL COMBUSTION ENGINES					
System 1: EMERGENCY FIRE PUMPS					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, DETROIT DIESEL, MODEL MODEL NO.1064-7110, 180 HP WITH A/N: 484120 PUMP	D5		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; 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
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, DETROIT DIESEL, 180 HP WITH A/N: 484121 PUMP	D6		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; 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
System 2: NON-EMERGENCY COMPRESSOR DRIVERS					
NON-SELECTIVE CATALYTIC REDUCTION A/N: 484122	C97	D96			

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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.)
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements
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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 2: INTERNAL COMBUSTION ENGINES					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, RICH BURN, NATURAL GAS, CATERPILLAR, MODEL G3512TA-130-CAT, WITH AFTERCOOLER, TURBOCHARGER, 790 BHP A/N: 484124	D98	C99	NOX: LARGE SOURCE**	CO: 0.6 GRAM/BHP-HR (4) [RULE 1303(a)(1)-BACT, 5-10-1996]; CO: 2000 PPMV NATURAL GAS (5) [RULE 1110.1, 10-4-1985; RULE 1110.2, 11-14-1997]; NOX: 10.95 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]; NOX: 10.95 PPMV (3) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 36 PPMV NATURAL GAS (5) [RULE 1110.2, 6-3-2005]; 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]	D12.3, D12.4, D28.3, H23.5
NON-SELECTIVE CATALYTIC REDUCTION A/N: 484124	C99	D98			
System 3: GAS TURBINES POWER GENERATION					

* (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
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: INTERNAL COMBUSTION ENGINES					
GAS TURBINE, NO. 1, NATURAL GAS, SOLAR TAURUS, MODEL 60, 57 MMBTU/HR A/N: 484125	D102	C107	NOX: MAJOR SOURCE**	CO: 6 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996]; CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; 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]; 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]	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
BURNER, DUCT, NATURAL GAS, FORNEY, MODEL B10076, 39 MMBTU/HR A/N: 484125	D104	C107	NOX: MAJOR SOURCE**	CO: 6 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996]; CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 2.5 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	

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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
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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 2: INTERNAL COMBUSTION ENGINES					
GAS TURBINE, NO.2, NATURAL GAS, SOLAR TAURUS, MODEL 60, 57 MMBTU/HR A/N: 484126	D103	C109	NOX: MAJOR SOURCE**	CO: 6 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996]; CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; 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]; 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]	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
BURNER, DUCT, NATURAL GAS, FORNEY, MODEL B10076, 39 MMBTU/HR A/N: 484126	D105	C109	NOX: MAJOR SOURCE**	CO: 6 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996]; CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; 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					

* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
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Process 2: INTERNAL COMBUSTION ENGINES					
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
Process 3: FUEL STORAGE AND DISPENSING					
STORAGE TANK, FIXED ROOF, GASOLINE, 1000 GALS A/N: 484127	D7				P28.1 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

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Process 4: BEER PRODUCTION					
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
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
MILL, MALT A/N: 484130	D26	C32		PM: (9) [RULE 405, 2-7-1986]	D323.1, E17.3

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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					
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
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

- | | |
|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
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 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
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|---|---|

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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, 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			
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			

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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	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			
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			

* (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	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			
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			

* (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, 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			
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			

* (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, 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			
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			

* (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, 1146 BBL; DIAMETER: 14 FT ; HEIGHT: 27 FT 7 IN A/N: 484128	D83	D219			
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				

* (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					
COMPRESSOR, CO2 BOOSTER, 2500 LB/HR. A/N: 484955	D120				
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				
DRYER, CO2 DRYER, 6250 LB/HR. A/N: 484955	D209				

* (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					
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				
COOLER, AFTERCOOLER, 2500 LB/HR. A/N: 484955	D140				
CONDENSER, CO2 CONDENSER, 5000 LB/HR. A/N: 484955	D148				

* (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					
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				
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, 1000000 GALS A/N: 484140	D38				J123.1
Process 7: Rule 219 Exempt Equipment/Process Subject to Source-Specific Rules					

- | | |
|--|--|
| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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 |
|--|--|

** 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 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
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E95			ROG: (9) [RULE 1113, 5-14-1999; RULE 1171, 6-13-1997; 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: 498003	D182				C1.5, E71.11, E144.1, K67.8
STORAGE TANK, FIXED ROOF, ETHANOL, HEIGHT: 20 FT ; DIAMETER: 8 FT A/N: 498004	D183				C1.5, E144.1, K67.8

* (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: 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
D1	1	1	0
D2	2	1	0
D3	2	1	0
D5	3	2	1
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	8	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	8	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	9	4	3
D34	10	4	3
C35	10	4	3
D38	18	5	0

**FACILITY PERMIT TO OPERATE
 MILLERCOORS, LLC
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D41	10	4	3
D42	10	4	3
D47	10	4	3
D48	10	4	3
D49	10	4	3
D50	10	4	3
D51	11	4	3
D52	11	4	3
D53	11	4	3
D54	11	4	3
D55	11	4	3
D56	11	4	3
D57	11	4	3
D58	11	4	3
D59	12	4	3
D60	12	4	3
D61	12	4	3
D62	12	4	3
D63	12	4	3
D64	12	4	3
D65	12	4	3
D66	12	4	3
D67	13	4	3
D68	13	4	3
D69	13	4	3
D70	13	4	3
D71	13	4	3
D72	13	4	3
D73	13	4	3
D74	13	4	3
D75	14	4	3
D76	14	4	3
D77	14	4	3
D78	14	4	3
D79	14	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
D80	14	4	3
D81	14	4	3
D82	14	4	3
D83	15	4	3
D88	9	4	2
D89	9	4	2
C90	9	4	2
C91	9	4	2
E92	19	7	1
E93	19	7	1
E94	19	7	1
E95	19	7	1
C97	3	2	2
D98	4	2	2
C99	4	2	2
D102	5	2	3
D103	6	2	3
D104	5	2	3
D105	6	2	3
S112	6	2	3
S113	6	2	3
D116	7	2	4
D117	15	4	3
D118	15	4	3
D119	15	4	4
D120	16	4	4
D121	16	4	4
D133	17	4	4
D134	17	4	4
D135	17	4	4
D136	17	4	4
D137	17	4	4
D138	17	4	4
D139	17	4	4
D140	17	4	4

**FACILITY PERMIT TO OPERATE
 MILLERCOORS, LLC
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D148	17	4	4
D149	18	4	4
D150	18	4	4
D151	18	4	4
D152	18	4	4
D153	18	4	4
D154	18	4	4
D155	18	4	4
D156	18	4	4
D157	18	4	4
D158	18	4	4
D182	19	9	2
D183	19	9	2
D200	16	4	4
D201	16	4	4
D202	16	4	4
D203	16	4	4
D204	16	4	4
D205	16	4	4
D206	16	4	4
D207	16	4	4
D208	16	4	4
D209	16	4	4
D210	17	4	4
D211	17	4	4
D212	17	4	4
D219	15	4	4

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.

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:

[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]

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]

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:

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

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.

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:

[**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]

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]

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:

C1.12 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]

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]

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:

[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]

- 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.

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[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]

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

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

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]

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:

[Devices subject to this condition : D96, D98]

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

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:

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]

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

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:

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

[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 : 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]

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:

[Devices subject to this condition : D102, D103]

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.

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:

[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]

- 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]

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:

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]

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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:

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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]

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]

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

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]

E71.2 The operator shall not use this equipment for a demand response program, using interruptable service contract in whcih 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..

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:

[**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.

[**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 : 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]

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]

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[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]

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.

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Condition Number 75-1

Condition Number	SUGGESTED CHAR	CONDITION	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]

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- 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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1122, 7-11-1997]

[Devices subject to this condition : E94]

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

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:

[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]

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

[RULE 1110.2, 2-1-2008]

[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.

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:

[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]

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

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:

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

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:

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 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:

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:

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

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

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:

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):

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:

Condition no. 113-1

Condition Number	SUGGESTED CHAR	CONDITION	CONDITION PARAMETER
NOT SET UP			

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

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

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):

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:

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]

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):

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:

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]

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]

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:

[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 1: BOILERS					
BOILER, NO.1, FUEL OIL NO. 2, NATURAL GAS, WITH FLUE GAS RECIRCULATION, OXYGEN CONTENT CONTROL, 59.6 MMBTU/HR WITH A/N: BURNER, FUEL OIL NO. 2, NATURAL GAS, TAMPELLA KEELER/FABER, MODEL WB-23-1/2-FGR, WITH LOW NOX BURNER, 59.6 MMBTU/HR	D1		NOX: MAJOR SOURCE**	CO: 400 PPMV (5); NOX: 6.23 LBS/1000 GAL FUEL OIL 2 (1); NOX: 47.75 LBS/MMSCF NATURAL GAS (1)	
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			

- * (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

** 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 2: INTERNAL COMBUSTION ENGINES					
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			
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					

- * (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.

† 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					
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	D223			
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	D223			
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	D223			

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| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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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** 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					
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	D223			
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	D223			
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 D223			
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 D223			
System 3: AIR POLLUTION CONTROL					

- * (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

** 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					
SCRUBBER, TRAY, SULFUR, MODEL NO. BS400/1, COUNTER-CURRENT, WITH 15 HP EXHAUST BLOWER, HEIGHT: 8 FT ; DIAMETER: 20 FT A/N:	C172	D169 D171 C180			C8.1, C10.1, D12.13
CARBON ADSORBER, THREE 1,000 POUND CANISTERS IN SERIES A/N:	C180	C172 C174 D175 D176			D232.1, E179.3
FLARE, GROUND FLARE, GWE, MODEL NO. HS666B8XXXXP, AUTO IGNITION, STANDBY/EMERGENCY A/N:	C174	D171 C180		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]	C1.14, C10.2, D12.15, D12.16, D12.17, E71.12, E80.2, H23.7, K67.10
BLOWER, TWO TOTAL , 15 HP EACH, ONE STANDBY A/N: 498002 Permit to Construct Issued: 01/15/10	D223	D160 D161 D167 D168 D169 D171 D179 C220			

- * (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.

† 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, , TWO CANISTERS IN SERIES, EACH WITH 3000 LB OF KOH IMPREGNATED CARBON A/N: 498002 Permit to Construct Issued: 01/15/10	C220	C222 D223		H2S: 1 PPMV (5)	D90.1, E153.1, K67.7
INJECTOR, HUMIDIFIER A/N: 498002 Permit to Construct Issued: 01/15/10	C222	C173 C220			
BIOFILTER, GWE, MODEL NO. G1500, WIDTH: 7 FT ; HEIGHT: 5 FT 4 IN; LENGTH: 21 FT 5 IN A/N: 498002 Permit to Construct Issued: 01/15/10	C173	C222 D224			E202.1
BLOWER, TWO TOTAL , 15 HP EACH, ONE STANDBY A/N: 498002 Permit to Construct Issued: 01/15/10	D224	C173 C221			
CARBON ADSORBER, , TWO CANISTERS IN SERIES, EACH WITH 3000 LB OF KOH IMPREGNATED CARBON A/N: 498002 Permit to Construct Issued: 01/15/10	C221	D224		H2S: 1 PPMV (5)	D90.1, E153.1, K67.7
System 4: ELECTRICAL GENERATION					

- | | |
|--|---|
| * (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.

† 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					
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	C180	NOX: LARGE SOURCE**	CO: 2.5 GRAM/BHP-HR DIGESTER GAS (4) [RULE 1303(a)(1)-BACT, 12-6-2002]; CO: 2000 PPMV DIGESTER GAS (5) [RULE 1110.2, 6-3-2005]; 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]	D12.7, D28.4, D323.2, E262.1, H23.6, K40.2, K171.3
GENERATOR, STAMFORD, MODEL NO. HCI 634 H2, 540 KW	D177				

- * (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

** 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					
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	C180	NOX: LARGE SOURCE**	CO: 2.5 GRAM/BHP-HR DIGESTER GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996]; CO: 2000 PPMV DIGESTER GAS (5) [RULE 1110.2, 6-3-2005]; 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. HCI 634 H2, 540 KW	D178				
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				

- | | |
|--|--|
| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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 |
|--|--|

** 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, 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 † Permit to Construct Issued: 02/05/08	E186				
BULK MATERIAL UNLOADING STATION, HIGH FRUCTOSE CORN SYRUP, 219 EXEMPT † Permit to Construct Issued: 02/05/08	E187				
TANK, STORAGE, HIGH FRUCTOSE CORN SYRUP, JACKETED, STEAM HEATED, 219 EXEMPT † 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 † Permit to Construct Issued: 02/05/08	E190				

- | | |
|---|---|
| <p>* (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</p> | <p>(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</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: 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, THREE TOTAL, 1440 GALLONS EACH, 219 EXEMPT † Permit to Construct Issued: 02/05/08	E191				
COOLER, 219 EXEMPT † Permit to Construct Issued: 02/05/08	E192				
INJECTOR, CO2 CARBINATION UNIT, 219 EXEMPT † Permit to Construct Issued: 02/05/08	E193				
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 † Permit to Construct Issued: 02/05/08	E197				

* (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.
 † 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

Device Index For Section H			
Device ID	Section H Page No.	Process	System
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C106	1	2	3
C107	1	2	3
C108	2	2	3
C109	2	2	3
D159	3	8	1
D160	3	8	1
D161	3	8	1
D162	3	8	1
D163	4	8	1
D164	3	8	1
D165	3	8	1
D166	4	8	1
D167	4	8	1
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D169	4	8	1
D170	4	8	1
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D181	8	9	1
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**FACILITY PERMIT TO OPERATE
 MILLERCOORS, LLC**

SECTION H: DEVICE ID INDEX

Device Index For Section H			
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D194	10	9	3
E197	10	9	3
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D217	2	4	3
D218	2	4	5
C220	6	8	3
C221	6	8	3
C222	6	8	3
D223	5	8	3
D224	6	8	3

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]

C1.14 The operator shall limit the operating time to no more than 52 hour(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 : C174]

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.

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

[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.

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

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:

[Devices subject to this condition : C172]

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]

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]

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]

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:

D12.13 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]

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

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:

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]

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

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:

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

**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:

- 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

**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:

- 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]

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:

[Devices subject to this condition : D198]

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]

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:

E71.4 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]

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]

E71.12 The operator shall not flare digester gas in this equipment unless the total sulfur content of the digester gas is less than 40 ppm measured as H2S, except during failure of the sulfur removal equipment or digester tank upset conditions. The flaring shall be limited to the digester gas in the tank and no further gas shall be generated until the sulfur removal system is fully functional and operating.

[RULE 431.1, 6-12-1998]

[Devices subject to this condition : C174]

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

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:

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]

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

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:

[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

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

[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.

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

[Devices subject to this condition : D175]

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.

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

[Devices subject to this condition : D176]

H. Applicable Rules

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:

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

[RULE 1110.2, 2-1-2008]

[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

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

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:

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.

[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 : D175]

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

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:

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.

[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 : D176]

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):

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:

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]

K67.10 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Operating hours for each flaring event and the reasons leading to flaring.

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

[Devices subject to this condition : C174]

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]

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

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:

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 : D175]