

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT - NSPS SOURCE - RENEWAL

PERMITTEE

Korall Corporation
Attn: Daryl Brown
13303 South Cicero Avenue
Crestwood, Illinois 60445

Application No.: 02120012

I. D. No.: 197803ABD

Applicant's Designation:

Date Received: July 14, 2009

Subject: Asphalt Bulk Storage Facility

Date Issued: May 24, 2010

Expiration Date: May 24, 2015

Location: Korall Corporation - Lemont Marine Facility, 305 South New Avenue, Lemont, Will County

Permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of:

Ten (10) Asphalt Storage Tanks (Tank 80-1: 3,360,000 Gallons, Tank 80-2: 3,360,000 Gallons, Tank 80-3: 3,360,000 Gallons, Tank 80-4: 3,360,000 Gallons, Tank T-50-5: 2,100,000 Gallons, Tank 50-6: 2,100,000 Gallons, Tank 130-7: 5,670,000 Gallons, Tank 50-8: 2,284,280 Gallons, Tank 50-9: 2,284,000 Gallons, and Tank 100: 4,191,057 Gallons)
Truck, Rail Car and Barge Loading Racks;
Three (3) 6.5 mmBtu/hour Distillate Fuel Oil-Fired Boilers (Hot Oil Heaters);
and
One (1) 14.13 mmBtu/hour Natural Gas/Distillate Fuel Oil-Fired Asphalt Tank Heater (Heater No. 4)

pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued:
 - i. To limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 100 tons/year for Volatile Organic Material (VOM), 10 tons/year for any single Hazardous Air Pollutant (HAP) and 25 tons/year for any combination of such HAPs). As a result, the source is excluded from the requirements to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
 - ii. To establish federally enforceable production and operating limitations, which restrict the potential to emit to less than 10 tons/year for any individual Hazardous Air Pollutant (HAP), and 25 tons/year of any combination of such HAPs so that the source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHA) for Organic Liquids Distribution (Non-Gasoline), 40 CFR 63 Subpart EEEE.

- iii. To limit the potential emissions of VOM from the source to less than 25 tons/year. As a result, the source is excluded from the requirement of 35 Ill. Adm. Code Part 205, Emission Reduction Market System. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.

- b. For purposes of this FESOP, Korall Corporation - Lemont Marine Facility is considered a single source with Seneca Petroleum - Lemont Terminal, I.D. No. 197803AAB, located at 12460 South New Avenue, Lemont. The source has elected to obtain separate FESOPs for these locations.

- c. Prior to issuance a draft of this permit has undergone a public notice and comment period.

- d. This permit supersedes all operating permit(s) for this location.

- 2a. Asphalt Tank Heater No. 4 is subject the New Source Performance Standards (NSPS) for Small Industrial - Commercial - Institutional Steam Generating Units, 40 CFR Part 60, Subparts A and Dc. The Illinois EPA is administering these standards in Illinois on behalf of the United States EPA under a delegation agreement.

- b. Pursuant to 40 CFR 60.42c(d), on and after the date on which the initial performance test is completed or required to be completed under 40 CFR 60.8, whichever date comes first, no owner or operator of an affected facility that combusts oil shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO₂ in excess of 215 ng/J (0.50 lb/mmBtu) heat input; or, as an alternative, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater than 0.5 weight percent sulfur. The percent reduction requirements are not applicable to affected facilities under 40 CFR 60.42c(d).

- c. Pursuant to 40 CFR 60.42c(h)(1), for distillate oil-fired affected facilities with heat input capacities between 2.9 and 29 MW (10 and 100 mmBtu/hour), compliance with the emission limits or fuel oil sulfur limits under 40 CFR 60.42c may be determined based on a certification from the fuel supplier, as described under 40 CFR 60.48c(f), as applicable.

- 3a. Pursuant to 35 Ill. Adm. Code 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 Ill. Adm. Code 212.122.

- b. Pursuant to 35 Ill. Adm. Code 212.123(b), the emission of smoke or other particulate matter from any such emission unit may have an opacity greater than 30 percent but not greater than 60 percent for a period or periods aggregating 8 minutes in any 60 minute period provided that such opaque emissions permitted during any 60 minute period shall occur from only one such emission unit located within a 305 meter (1000 foot) radius from the center point of any other such

emission unit owned or operated by such person, and provided further that such opaque emissions permitted from each such emission unit shall be limited to 3 times in any 24 hour period.

- c. Pursuant to 35 Ill. Adm. Code 212.206, no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period to exceed 0.15 kg of particulate matter per MW-hour of actual heat input from any fuel combustion emission unit using liquid fuel exclusively (0.10 lbs/mmBtu).
- d. Pursuant to 35 Ill. Adm. Code 212.301, no person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the source.
- e. Pursuant to 35 Ill. Adm. Code 212.306, all normal traffic pattern access areas surrounding storage piles specified in 35 Ill. Adm. Code 212.304 and all normal traffic pattern roads and parking facilities which are located on mining or manufacturing property shall be paved or treated with water, oils or chemical dust suppressants. All paved areas shall be cleaned on a regular basis. All areas treated with water, oils or chemical dust suppressants shall have the treatment applied on a regular basis, as needed, in accordance with the operating program required by 35 Ill. Adm. Code 212.309, 212.310 and 212.312.
- f. Pursuant to 35 Ill. Adm. Code 212.309(a), the emission units described in 35 Ill. Adm. Code 212.304 through 212.308 shall be operated under the provisions of an operating program, consistent with the requirements set forth in 35 Ill. Adm. Code 212.310 and 212.312, and prepared by the owner or operator and submitted to the Illinois EPA for its review. Such operating program shall be designed to significantly reduce fugitive particulate matter emissions.
- g. Pursuant to 35 Ill. Adm. Code 212.310, as a minimum the operating program shall include the following:
 - i. The name and address of the source;
 - ii. The name and address of the owner or operator responsible for execution of the operating program;
 - iii. A map or diagram of the source showing approximate locations of storage piles, conveyor loading operations, normal traffic pattern access areas surrounding storage piles and all normal traffic patterns within the source;
 - iv. Location of unloading and transporting operations with pollution control equipment;
 - v. A detailed description of the best management practices utilized to achieve compliance with 35 Ill. Adm. Code 212 Subpart K,

including an engineering specification of particulate collection equipment, application systems for water, oil, chemicals and dust suppressants utilized and equivalent methods utilized;

- vi. Estimated frequency of application of dust suppressants by location of materials; and
- vii. Such other information as may be necessary to facilitate the Illinois EPA's review of the operating program.
- h. Pursuant to 35 Ill. Adm. Code 212.312, the operating program shall be amended from time to time by the owner or operator so that the operating program is current. Such amendments shall be consistent with 35 Ill. Adm. Code 212 Subpart K and shall be submitted to the Illinois EPA for its review.
- 4. Pursuant to 35 Ill. Adm. Code 214.122(b)(2), no person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any new fuel combustion source with actual heat input smaller than, or equal to, 73.2 MW (250 mmBtu/hour), burning liquid fuel exclusively to exceed 0.46 kg of sulfur dioxide per MW-hour of actual heat input when distillate fuel oil is burned (0.3 lbs/mmBtu).
- 5. Pursuant to 35 Ill. Adm. Code 216.121, no person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from each fuel combustion emission source with actual heat input greater than 2.9 MW (10 mmBtu/hour) to exceed 200 ppm corrected to 50 percent excess air.
- 6a. Pursuant to 35 Ill. Adm. Code 218.122(a), no person shall cause or allow the discharge of more than 3.6 kg/hour (8 lbs/hour) of organic material into the atmosphere during the loading of any organic material from the aggregate loading pipes of any loading area having through-put of greater than 151 cubic meters per day (40,000 gallons/day) into any railroad tank car, tank truck or trailer unless such loading area is equipped with submerged loading pipes or a device that is equally effective in controlling emissions and is approved by the Illinois EPA according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with 35 Ill. Adm. Code 218.108.
- b. Pursuant to 35 Ill. Adm. Code 218.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 liters (250 gallons), unless such tank is equipped with a permanent submerged loading pipe or an equivalent device approved by the Illinois EPA according to the provisions of 35 Ill. Adm. Code 201 or unless such tank is a pressure tank as described in 35 Ill. Adm. Code 218.121(a) or is fitted with a recovery system as described in 35 Ill. Adm. Code 218.121(b)(2).
- c. Pursuant to 35 Ill. Adm. Code 218.301, no person shall cause or allow the discharge of more than 3.6 kg/hour (8 lbs/hour) of organic material into the atmosphere from any emission unit, except as provided in 35 Ill. Adm. Code 218.302, 218.303, or 218.304 and the following exception: If no

odor nuisance exists the limitation of 35 Ill. Adm. Code 218 Subpart G shall only apply to photochemically reactive material.

7. This permit is issued based on asphalt storage tanks not being subject to New Source Performance Standards (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, 40 CFR 60, Subpart Kb. Pursuant to 40 CFR 60.110b (b), 40 CFR 60 Subpart Kb does not apply to storage vessels with a capacity greater than or equal to 151 m³ storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with a capacity greater than or equal to 75 m³ but less than 151 m³ storing a liquid with a maximum true vapor pressure less than 15.0 kPa.
- 8a. This permit is issued based upon the source not being subject to the Maximum Achievable Control Technology (MACT) standards and Reasonably Available Control Technology (RACT) standards of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Marine Tank Vessel Tank Loading Operations, 40 CFR 63 Subparts A and Y. The Illinois EPA is administering these standards in Illinois on behalf of the United States EPA under a delegation agreement.
- b. Pursuant to 40 CFR 63.560(a)(1), the provisions of 40 CFR 63 Subpart Y pertaining to the Maximum Achievable Control Technology (MACT) standards in 40 CFR 63.562(b) and (d) are applicable to existing and new sources with emissions of 10 or 25 tons, as that term is defined in 40 CFR 63.561, except as specified in 40 CFR 63.560(d), and are applicable to new sources with emissions less than 10 and 25 tons, as that term is defined in 40 CFR 63.561, except as specified in 40 CFR 63.560(d).
- c. Pursuant to 40 CFR 63.560(b)(1), the provisions of 40 CFR Subpart Y pertaining to Reasonably Available Control Technology (RACT) standards in 40 CFR 63.562(c) and (d) are applicable to sources with throughput of 10 M barrels or 200 M barrels, as that term is defined in 40 CFR 63.561, except as specified in 40 CFR 63.560(d).
9. Pursuant to 35 Ill. Adm. Code 212.314, 35 Ill. Adm. Code 212.301 shall not apply and spraying pursuant to 35 Ill. Adm. Code 212.304 through 212.310 and 35 Ill. Adm. Code 212.312 shall not be required when the wind speed is greater than 40.2 km/hour (25 mph). Determination of wind speed for the purposes of this rule shall be by a one-hour average or hourly recorded value at the nearest official station of the U.S. Weather Bureau or by wind speed instruments operated on the site. In cases where the duration of operations subject to this rule is less than one hour, wind speed may be averaged over the duration of the operations on the basis of on-site wind speed instrument measurements.
- 10a. This permit is issued based on the storage tanks at this source not being subject to 35 Ill. Adm. Code 218.120, Control Requirements for Storage Containers for VOL. Pursuant to 35 Ill. Adm. Code 218.119(a), the limitations of 35 Ill. Adm. Code 218.120 shall apply to all storage containers of volatile organic liquid (VOL) with a maximum true vapor

- pressure of 0.5 psia or greater in any stationary tank, reservoir, or other container of 151 cubic meters (40,000 gallons) capacity or greater, except to vessels with a capacity greater than or equal to 40,000 gallons storing a liquid with a maximum true pressure of less than 0.5 psia; or
- b. Pursuant to 35 Ill. Adm. Code 218.122(c), if no odor nuisance exists the limitations of 35 Ill. Adm. Code 218.122 shall only apply to the loading of volatile organic liquid with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3°K (70°F).
 - c. This permit is issued based on the storage tanks not being subject to 35 Ill. Adm. Code 218.123(b), Petroleum Liquid Storage Tanks. Pursuant to 35 Ill. Adm. Code 218.123(a)(6), the requirements of 35 Ill. Adm. Code 218.123(b) shall not apply to any stationary storage tank in which volatile petroleum liquid is not stored.
11. Pursuant to 40 CFR 60.11(d), at all times, including periods of startup, shutdown, and malfunction, owners and operators shall to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Illinois EPA or USEPA which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
- 12a. In the event that the operation of this source results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the odor nuisance.
- b. The storage tanks at this source shall only be used to store volatile organic liquids with a vapor pressure not to exceed 0.5 psi (3.5 kPa). The storage of any volatile organic liquid with a vapor pressure greater than 0.5 psi requires that the Permittee first obtain a construction permit from the Illinois EPA and may require performance testing to verify compliance with all applicable requirements.
 - c. The three 6.5 mmBtu/hour boilers (Hot Oil Heaters) shall only be operated with distillate fuel oil as the fuel. The use of any other fuel in the three boilers (Hot Oil Heaters) requires that the Permittee first obtain a construction permit from the Illinois EPA and then perform stack testing to verify compliance with all applicable requirements.
 - d. Heater No. 4 shall only be operated with natural gas or distillate fuel oil as the fuel. The use of any other fuel in Heater No. 4 requires that the Permittee first obtain a construction permit from the Illinois EPA and then perform stack testing to verify compliance with all applicable requirements.

- e. The Permittee shall not keep, store or use distillate fuel oil (Grades No. 1 and 2) at this source with a sulfur content greater than the larger of the following two values:
 - i. 0.28 weight percent, or
 - ii. The wt. percent given by the formula: Maximum Wt percent sulfur = (0.000015) x (Gross heating value of oil, Btu/lb).
 - f. Organic liquid by-products or waste materials shall not be used in any emission unit at this source without written approval from the Illinois EPA.
 - g. The Illinois EPA shall be allowed to sample fuel stored at the source.
- 13a. Operation and emissions of the source shall not exceed the following limits:

<u>Process</u>	<u>Throughput</u>		<u>VOM Emissions</u>	
	<u>(mmgal/Mo)</u>	<u>(mmgal/Yr)</u>	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
Asphalt Storage Tanks	41.67	250.0	0.95	5.7
Truck and Railcar Unloading	16.00	192.0	0.10	<u>0.9</u>
			Total	<u>6.8</u>

These limits are based on the maximum throughput and maximum VOM emissions calculated using standard emission factors and formulas (Section 7.1, AP-42, Fifth Edition, Volume I, November 2006 or TANKS. Emissions Estimation Software, Version 4.09D, October 5, 2006 for breathing and working losses from the storage tanks and Section 5.2, AP-42, Fifth Edition, Volume I, July 2008 for truck, railcar and barge unloading operations).

- b. Operation and emissions of the boilers and asphalt heaters shall not exceed the following limits:
 - i. Distillate Fuel Oil Usage: 150,000 gallons/month and 1,270,000 gallons/year;
 - ii. Emissions from the combustion of fuel oil:

<u>Pollutant</u>	<u>Emission Factor</u>	<u>Emissions</u>	
	<u>(Lbs/10³ Gal)</u>	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
Carbon Monoxide (CO)	5.00	0.38	3.18
Nitrogen Oxides (NO _x)	20.00	1.50	12.70
Particulate Matter (PM)	2.00	0.15	1.27
Sulfur Dioxide (SO ₂)	39.76	2.98	25.25
Volatile Organic Material (VOM)	0.34	0.03	0.22

These limits are based on the maximum fuel usage and standard emission factors (Tables 1.3-1 and 1.3-3, AP-42, Fifth Edition, Volume I, Supplement E, September 1998).

iii. Emissions from the combustion of natural gas:

<u>Pollutant</u>	Emission Factor		Emissions	
	<u>(Lbs/mmscf)</u>	<u>(Lbs/Hr)</u>	<u>(Lbs/Hr)</u>	<u>(Tons/Yr)</u>
Carbon Monoxide (CO)	84.0	1.19	1.19	5.20
Nitrogen Oxides (NO _x)	100.0	1.41	1.41	6.19
Particulate Matter (PM)	7.6	0.11	0.11	0.47
Sulfur Dioxide (SO ₂)	0.6	0.01	0.01	0.04
Volatile Organic Material (VOM)	5.5	0.08	0.08	0.34

These limits are based on the maximum firing rate (14.132 mmBtu/hour) for natural gas, a heat content of 1,000 Btu/scf for natural gas, the maximum hours of operation (8,760 hours/year), and standard emission factors (Tables 1.4-1 and 1.4-2, AP-42, Fifth Edition, Volume I, Supplement D, July 1998).

- c. The emissions of Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act from this source shall not exceed 0.26 tons/month and 2.61 tons/year of any single HAP and 0.72 tons/month and 7.16 tons/year of any combination of such HAPs. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a CAAPP permit from the Illinois EPA and the NESHAP for Organic Liquids Distribution (Non-Gasoline), 40 CFR 63 Subpart EEEE.
 - d. Compliance with the annual limits of this permit shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).
- 14a. Pursuant to 40 CFR 60.44c(g) for oil-fired affected facilities where the owner or operator seeks to demonstrate compliance with the fuel oil sulfur limits under 40 CFR 60.42c based on shipment fuel sampling, the initial performance test shall consist of sampling and analyzing the oil in the initial tank of oil to be fired in the steam generating unit to demonstrate that the oil contains 0.5 weight percent sulfur or less. Thereafter, the owner or operator of the affected facility shall sample the oil in the fuel tank after each new shipment of oil is received, as described under 40 CFR 60.46c(d)(2).
- b. Pursuant to 40 CFR 60.44c(h), for affected facilities subject to 40 CFR 60.42c(h)(1), (2), or (3) where the owner or operator seeks to demonstrate compliance with the SO₂ standards based on fuel supplier certification, the performance test shall consist of the certification from the fuel supplier, as described in 40 CFR 60.48c(f), as applicable.
- 15a. Pursuant to 35 Ill. Adm. Code 201.282, every emission source or air pollution control equipment shall be subject to the following testing

requirements for the purpose of determining the nature and quantities of specified air contaminant emissions and for the purpose of determining ground level and ambient air concentrations of such air contaminants:

- i. Testing by Owner or Operator. The Illinois EPA may require the owner or operator of the emission source or air pollution control equipment to conduct such tests in accordance with procedures adopted by the Illinois EPA, at such reasonable times as may be specified by the Illinois EPA and at the expense of the owner or operator of the emission source or air pollution control equipment. The Illinois EPA may adopt procedures detailing methods of testing and formats for reporting results of testing. Such procedures and revisions thereto, shall not become effective until filed with the Secretary of State, as required by the APA Act. All such tests shall be made by or under the direction of a person qualified by training and/or experience in the field of air pollution testing. The Illinois EPA shall have the right to observe all aspects of such tests.
 - ii. Testing by the Illinois EPA. The Illinois EPA shall have the right to conduct such tests at any time at its own expense. Upon request of the Illinois EPA, the owner or operator of the emission source or air pollution control equipment shall provide, without charge to the Illinois EPA, necessary holes in stacks or ducts and other safe and proper testing facilities, including scaffolding, but excluding instruments and sensing devices, as may be necessary.
 - b. Testing required by Condition 16 shall be performed upon a written request from the Illinois EPA by a qualified independent testing service.
16. Pursuant to 35 Ill. Adm. Code 212.110(c), upon a written notification by the Illinois EPA, the owner or operator of a particulate matter emission unit subject to 35 Ill. Adm. Code Part 212 shall conduct the applicable testing for particulate matter emissions, opacity, or visible emissions at such person's own expense, to demonstrate compliance. Such test results shall be submitted to the Illinois EPA within thirty (30) days after conducting the test unless an alternative time for submittal is agreed to by the Illinois EPA.
 17. Pursuant to 40 CFR 60.46c(e), the monitoring requirements of 40 CFR 60.46c(a) and (d) shall not apply to affected facilities subject to 40 CFR 60.42c(h)(1), (2), or (3) where the owner or operator of the affected facility seeks to demonstrate compliance with the SO₂ standards based on fuel supplier certification, as described under 40 CFR 60.48c(f), as applicable.
 - 18a. Pursuant to 40 CFR 60.7(b), any owner or operator subject to the provisions of 40 CFR Part 60 shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control

equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

- b. Pursuant to 40 CFR 60.7(f), any owner or operator subject to the provisions of 40 CFR Part 60 shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records.
- 19a. Pursuant to 40 CFR 60.48c(e)(11), the owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under 40 CFR 60.42c shall keep records including the following information, as applicable. If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under 40 CFR 60.48c(f)(1), (2), (3), or (4), as applicable.
- b. Pursuant to 40 CFR 60.48c(f)(1), fuel supplier certification shall include the following information for distillate oil:
 - i. The name of the oil supplier;
 - ii. A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c; and
 - iii. The sulfur content of the oil.
 - c.
 - i. Pursuant to 40 CFR 60.48c(g)(1), except as provided under 40 CFR 60.48c(g)(2) and (g)(3), the owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each operating day.
 - ii. Pursuant to 40 CFR 60.48c(g)(2), as an alternative to meeting the requirements of 40 CFR 60.48c(g)(1), the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.
 - iii. Pursuant to 40 CFR 60.48c(g)(2), as an alternative to meeting the requirements of 40 CFR 60.48c(g)(1), the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any

steam generating unit (including steam generating units not subject to 40 CFR 60 Subpart Dc) at that property are natural gas, wood, distillate oil meeting the most current requirements in 40 CFR 60.42c to use fuel certification to demonstrate compliance with the SO₂ standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month.

- d. Pursuant to 40 CFR 60.48c(i), all records required under 40 CFR 60.48 shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.
20. Pursuant to 40 CFR 63.10(b)(3), if an owner or operator determines that his or her stationary source that emits (or has the potential to emit, without considering controls) one or more hazardous air pollutants regulated by any standard established pursuant to section 112(d) or (f) of the Clean Air Act, and that stationary source is in the source category regulated by the relevant standard, but that source is not subject to the relevant standard (or other requirement established under 40 CFR Part 63) because of limitations on the source's potential to emit or an exclusion, the owner or operator must keep a record of the applicability determination on site at the source for a period of 5 years after the determination, or until the source changes its operations to become an affected source, whichever comes first. The record of the applicability determination must be signed by the person making the determination and include an analysis (or other information) that demonstrates why the owner or operator believes the source is unaffected (e.g., because the source is an area source). The analysis (or other information) must be sufficiently detailed to allow the USEPA and/or Illinois EPA to make a finding about the source's applicability status with regard to the relevant standard or other requirement. If relevant, the analysis must be performed in accordance with requirements established in relevant subparts of 40 CFR Part 63 for this purpose for particular categories of stationary sources. If relevant, the analysis should be performed in accordance with USEPA guidance materials published to assist sources in making applicability determinations under Section 112 of the Clean Air Act, if any. The requirements to determine applicability of a standard under 40 CFR 63.1(b)(3) and to record the results of that determination under 40 CFR 63.10(b)(3) shall not by themselves create an obligation for the owner or operator to obtain a Title V permit.
21. Pursuant to 35 Ill. Adm. Code 212.110(e), the owner or operator of an emission unit subject to 35 Ill. Adm. Code Part 212 shall retain records of all tests which are performed. These records shall be retained for at least three (3) years after the date a test is performed.
22. Pursuant to 35 Ill. Adm. Code 218.129(f), the owner or operator of each storage vessel specified in 35 Ill. Adm. Code 218.119 shall maintain readily accessible records of the dimension of the storage vessel and

an analysis of the capacity of the storage vessel. Each storage vessel with a design capacity less than 40,000 gallons is subject to no provisions of 35 Ill. Adm. Code Part 218 other than those required by maintaining readily accessible records of the dimensions of the storage vessel and analysis of the capacity of the storage vessel.

- 23a. The Permittee shall maintain records of the following items so as to demonstrate compliance with the conditions of this permit:
- i. For each storage tank:
 - A. Names and identification number of materials transferred and/or stored;
 - B. Material throughput (gallons/month, gallons/year);
 - C. Daily material temperature.
 - ii. For each tank truck/railcar unloading transfer:
 - A. Names and identification number of materials transferred;
 - B. Material throughput (gallons/month, gallons/year);
 - C. Material temperature during transfer;
 - iii. Fuel oil usage (gallons/month, gallons/year);
 - iv. The sulfur content of the distillate fuel oil used at the source, this shall be recorded for each shipment of oil delivered to the source;
 - v. Natural gas usage (mmscf/month, mmscf/year);
 - vi. Monthly and annual emissions of CO, NO_x, PM SO₂, VOM and HAPs with supporting calculations (tons/month, tons/year).
- b. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least five (5) years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer storage device) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to Illinois EPA or USEPA request for records during the course of a source inspection.
24. Pursuant to 35 Ill. Adm. Code 212.110(d), a person planning to conduct testing for particulate matter emissions to demonstrate compliance shall give written notice to the Illinois EPA of that intent. Such notification shall be given at least thirty (30) days prior to the initiation of the test unless a shorter period is agreed to by the

Illinois EPA. Such notification shall state the specific test methods from 35 Ill. Adm. Code 212.110 that will be used.

- 25a. If there is an exceedance of or a deviation from the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance or deviation. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or deviation and efforts to reduce emissions and future occurrences.
- b. Two (2) copies of required reports and notifications shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, IL 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control - Regional Office
9511 West Harrison
Des Plaines, Illinois 60016

It should be noted that this permit has been revised so as to include the operation of the equipment described in Construction Permit 09120003.

If you have any questions on this permit, please call Valeriy Brodsky at (217)782-2113.

Edwin C. Bakowski, P.E.
Manager, Permit Section
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Date Signed: _____

ECB:VJB:psj

cc: Illinois EPA, FOS Region 1
Lotus Notes

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emissions from the two asphalt storage and processing plants operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. The resulting maximum emissions are below the levels (e.g., 100 tons/year for VOM, 10 tons per year for a single HAP, and 25 tons per year for any combination of such HAP) at which this source would be considered a major source for purposes of Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled and control measures are more effective than required in this permit.

- a. Korall Corporation - Lemont Marine Facility, 305 South New Avenue, Lemont (I.D. No. #197803ABD):

<u>Emission Unit</u>	E M I S S I O N S (Tons/Year)						<u>Single HAP</u>	<u>Total HAPs</u>
	<u>CO</u>	<u>NO_x</u>	<u>PM</u>	<u>SO₂</u>	<u>VOM</u>			
Asphalt Storage Tanks					5.7			
Truck and Railcar Unloading					0.9			
Distillate Fuel Oil								
Combustion	3.18	12.70	1.27	25.25	0.22			
Natural Gas Combustion	<u>5.20</u>	<u>6.19</u>	<u>0.47</u>	<u>0.04</u>	<u>0.34</u>	-----	-----	
Totals	8.38	18.89	1.74	25.29	7.16	2.61	7.16	

- b. Seneca Petroleum - Lemont Terminal, 12460 South New Avenue, Lemont (I.D. #197803AAB):

<u>Emission Unit</u>	E M I S S I O N S (Tons/Year)						<u>Single HAP</u>	<u>Total HAPs</u>
	<u>CO</u>	<u>NO_x</u>	<u>PM</u>	<u>SO₂</u>	<u>VOM</u>			
<u>Asphalt Operations:</u>								
Storage Tanks					10.6			
Truck and Railcar Unloading					0.5			
GTR Asphalt System			0.44					
<u>Cutback/Emulsion Asphalt Operations:</u>								
Storage Tanks					5.2			
Truck and railcar Unloading					0.1			
General Use Storage Tanks					0.44			
HCl storage and Handling						0.44	0.44	
Asphalt Heaters	<u>11.3</u>	<u>13.5</u>	<u>1.0</u>	<u>0.01</u>	<u>0.7</u>	-----	-----	
Totals	<u>11.3</u>	<u>13.5</u>	<u>1.44</u>	<u>0.01</u>	<u>17.54</u>	6.39	<u>17.54</u>	

c. Collocated Source Totals:

<u>Emission Unit</u>	E M I S S I O N S (Tons/Year)						<u>Total HAPs</u>
	<u>CO</u>	<u>NO_x</u>	<u>PM</u>	<u>SO₂</u>	<u>VOM</u>	<u>Single HAP</u>	
Seneca Petroleum - Lemont Terminal (197803AAB)	11.30	13.50	1.44	0.01	17.54	6.39	17.54
Korall Corporation - Lemont Marine Facility (197803ABD)	<u>8.38</u>	<u>18.89</u>	<u>1.74</u>	<u>25.29</u>	<u>7.16</u>	<u>2.61</u>	<u>7.16</u>
Totals	19.68	32.39	3.18	25.30	24.70	9.0	24.70

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