

**New Jersey Department of Environmental Protection
Reason for Application**

Permit Being Modified

Permit Class: PCP **Number:** 40002

Description of Modifications: Ergon is requesting a Compliance Plan Change per NJAC 7:27-8.19(a)4 to reduce potential annual NOx emissions by reducing the allowable No. 2 fuel oil burned per year in the heaters. No. 2 Fuel oil to be reduced from 2.1744 MMgal/year to 0.125 MMgal/yr (125,000 gallons/year) See attached Tables 1 - 3 for updated PTE calculations.

In addition, Ergon is requesting to delete Heater 3501 (E2001) from the permit, as this heater is not longer in service at the facility and to correct the allowable sulfur content of the No.2 Fuel Oil to 15 ppm consistent with the requirements of NJAC 7:27-9.

The requested Compliance Plan Changes include the following:

- U2, E2002 - delete from permit
- US, OS Summary, Ref #1: Reduce No. 2 Fuel Oil from 2.1744 MMga/yr to 0.125 MMgal/yr (125,000 gal/yr)
- U2, OS Summary, Ref #2: PM-10 (Total) <= 1.12 tons/yr
- U2, OS Summary, Ref #3: VOC (Total) NO CHANGE
- U2, OS Summary, Ref #4 NOx (Total) <== 14.75 tons/yr
- U2, OS Summary, Ref #5 CO NO CHANGE
- U2, OS Summary, Ref #6 SO2 <== 0.09 tons/yr
- U2, OS Summary, Ref #9: Sulfur Content in Fuel <== 15 ppm
- US, OS3 and OS4 - delete all Ref#s, as E2001 (Heater 3501) is no longer in service at the facility and should be deleted.

Note that for U2, OS Summary, Ref #s 1-9 are repeated in the current permit and should be deleted.

In addition to the Compliance Plan Changes, please delete E2002 and U2 OS3 and OS4 from the respective inventories.

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): ERGON ASPHALT PARTNERS LP

Facility ID (AIMS): 50519

Street ERGON ASPHALT PARTNERS LP
Address: KING ST AND JERSEY AVE
GLOUCESTER CITY, NJ 08030

State Plane Coordinates:	
X-Coordinate:	1,869,350
Y-Coordinate:	386,350
Units:	UTM Zone 18N - Meter:
Datum:	NAD83
Source Org.:	Submittal Document
Source Type:	Other/Unknown

Mailing ERGON ASPHALT PARTNERS LP
Address: PO BOX 31
GLOUCESTER CITY, NJ 08030

County: Camden
Location Facility located on the Delaware River
Description: approximately 1/2 mile south of the Walt Whitman Bridge.

Industry:	
Primary SIC:	2951
Secondary SIC:	5171
NAICS:	324121

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Air Permit Information Contact

Organization: ERGON ASPHALT PARTNERS LP

Org. Type: LP

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New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: On-Site Manager

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Contact Type: Owner (Current Primary)

Organization: ERGON ASPHALT PARTNERS LP

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Organization: ERGON ASPHAL PARTNERS LP

Org. Type: LP

Name: RAMON L CALLAHAN JR

NJ EIN: 00261600597

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**Table 1 - Potential Emission Rates from Hot Oil Heaters (PCP0400002)
Ergon Asphalt Partners LP (Facility ID 50519)**

Gloucester City, NJ

Criteria Pollutants	Natural Gas tons/year	No. 2 Fuel Oil tons/year
Nitrogen Oxides	14.74	1.25
Carbon Monoxide	12.38	0.31
Particulate Matter	1.12	0.21
Non-methane VOC	0.81	0.013
Sulfur Dioxide	0.09	0.013

**Table 2 - Potential Emission Rates from Hot Oil Heater - Natural Gas (PCP0400002)
 Ergon Asphalt Partners LP (Facility ID 50519)
 Gloucester City, NJ**

Fuel Type	Natural Gas
Higher Heating Value of Fuel	1,020 Btu/scf
Maximum Potential Fuel Use	294.8 MMscf/yr

Combustion Products	Emission Factor		Emission Rate		Basis of Estimate
Criteria Pollutants					
Nitrogen Oxides	100	lbs/MMscf	14.74	tpy	AP-42, Table 1.4-1 (7/98)
Carbon Monoxide	84	lbs/MMscf	12.38	tpy	AP-42, Table 1.4-1 (7/98)
Particulate Matter	7.6	lbs/MMscf	1.12	tpy	AP-42, Table 1.4-1 (7/98)
Non-methane VOC	5.5	lbs/MMscf	0.81	tpy	AP-42, Table 1.4-1 (7/98)
Sulfur Dioxide	0.6	lbs/MMscf	0.09	tpy	AP-42, Table 1.4-1 (7/98)

**Table 3 - Potential Emission Rates from Hot Oil Heater - Fuel Oil (PCP0400002)
Ergon Asphalt Partners LP (Facility ID 50519)
Gloucester City, NJ**

Fuel Type	No. 2 Fuel Oil
Higher Heating Value of Fuel	140,000 Btu/gal
Sulfur Content	15 ppm
Maximum Potential Fuel Use	125.0 Mgal/year

Combustion Products	Emission Factor	Emission Rate	Basis of Estimate
Criteria Pollutants			
Nitrogen Oxides	20 lbs/Mgal	1.25 tpy	AP-42, Table 1.4-1 (7/98)
Carbon Monoxide	5 lbs/Mgal	0.31 tpy	AP-42, Table 1.4-1 (7/98)
Particulate Matter	3.3 lbs/Mgal	0.21 tpy	AP-42, Table 1.4-1 (7/98)
Non-methane VOC	0.2 lbs/Mgal	0.013 tpy	AP-42, Table 1.4-1 (7/98)
Sulfur Dioxide	0.213 lbs/Mgal	0.013 tpy	AP-42, Table 1.4-1 (7/98)