

Ms. Amy Boswell
Dave O'Mara Contractor, Inc.
P.O. Box 423
North Vernon, Indiana 47265

Re: SMF 079-9537
First Significant Modification to FESOP 079-6017
Plt ID 079-03181

Dear Ms. Boswell:

Dave O'Mara Contractor, Inc., was issued a Federally Enforceable State Operating Permit (FESOP) on December 11, 1996, for a 160 tons per hour stationary batch-mix asphalt plant (Plant #1) and a 247 tons per hour portable drum-mix asphalt plant (Plant #2) to be located at 1100 East O & M Avenue, North Vernon, Indiana, 47265. Based on a letter received January 28, 1998, the Office of Air Management (OAM) has approved the relocation of the portable drum-mix plant (Plant #2) to a new location and has determined that the existing FESOP (F079-6017-03181) shall be modified to exclude the portable drum-mix facilities and conditions. A new and separate FESOP shall be issued for the portable drum-mix plant.

Pursuant to the provisions of 326 IAC 2-8-11 (FESOP: Permit Modification), a significant modification to this permit is hereby approved as discussed in the attached Technical Support Document and as described herein:

1. Section A.2 (Emission Units and Pollution Control Equipment Summary) on Page 4 of 33 of the FESOP shall be changed to remove references to Plant #2 facilities as follows:

A.2 Emission Units and Pollution Control Summary

The stationary ~~and portable~~ source consists of the following emission units and pollution control devices:

Plant #1 (Batch Asphalt Plant):

- (a) one (1) batch asphalt mix plant, with a maximum capacity of 160 tons per hour, equipped with one (1) natural gas fired aggregate dryer burner with a maximum rated capacity of 60 million British thermal units per hour, using No. 2 fuel oil as back-up fuel, and one (1) wet scrubber for particulate control, exhausting at one (1) stack, identified as #3;
- (b) one (1) 4' x 10' screen; and
- (c) two (2) conveyors to transfer aggregates from cold feed bins to asphalt dryer.

~~Plant #2 (Portable Asphalt Drum-Mix Plant):~~

- ~~(a) one (1) portable asphalt drum mix plant, with a maximum capacity of 247 tons per hour, equipped with one (1) natural gas fired aggregate dryer burner with a maximum rated capacity of 82.7 million British thermal units per hour, using No. 2 fuel oil as back-up fuel, and one (1) pulse jet baghouse for particulate control, exhausting at one (1) stack, identified as #2;~~
- ~~(b) one (1) 4' x 10' screen;~~
- ~~(c) two (2) conveyors to transfer aggregate from feed bins to asphalt dryer;~~
- ~~(d) two (2) conveyors to transfer aggregate from recycle bin to asphalt dryer; and~~
- ~~(e) one (1) 25,000 gallon asphalt storage tank.~~

2. Section A.3 (Insignificant Activities) on Page 4 of 33 of the FESOP shall be changed to remove references to Plant #2 facilities as follows:

A.3 Insignificant Activities

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(20):

Plant #1

- (a) one (1) natural gas fired hot oil heater rated at 2.2 million British thermal units per hour, using No.2 fuel oil as back-up fuel;
- (b) one (1) 18,000 gallon asphalt storage tank;
- (c) one (1) 18,000 gallon No. 2 fuel oil storage tank;
- (d) unpaved roads with public access;
- (e) storage pile areas with a total size of 3 acres;
- (f) one (1) 55' bucket elevator with 6" x 18" buckets; and
- (g) four (4) virgin aggregate feeder bins.

~~Plant #2:~~

- ~~(a) unpaved roads with public access;~~
- ~~(b) four (4) virgin aggregate feeder bins; and~~
- ~~(c) one (1) recycle bin.~~

3. Section A.4 (FESOP Applicability) on Page 5 of 33 of the FESOP shall be changed to remove reference to there being two plants at the source as follows:

A.4 FESOP Applicability [326 IAC 2-8-2]

This source, ~~consisting of one (1) stationary and one (1) portable asphalt mix plants,~~ otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) for a Federally Enforceable State Operating Permit (FESOP).

4. Condition C.2 (Opacity) on Page 16 of 33 of the FESOP shall be modified to remove the language in Item (a) which pertains to nonattainment areas only. The change shall be as follows:

C.2 Opacity

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions shall meet the following:

- ~~(a) Visible emissions shall not exceed an average of 30 percent opacity in 24 consecutive readings, when located in nonattainment area;~~

- (~~ba~~) Visible emissions shall not exceed an average of 40 percent opacity in 24 consecutive readings, ~~when located in attainment area; and~~
 - (~~eb~~) Visible emissions shall not exceed 60 percent opacity for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period; and
 - (~~ec~~) Unless otherwise stated in Section D.
4. Condition C.5 (Fugitive Particulate Matter Emission Limitations) on Page 16 of 33 of the FESOP shall be removed because its underlying rule, 326 IAC 6-5, no longer applies.
5. Condition D.1.2 (Particulate Matter) on Page 21 of 33 shall be revised as follows:
- D.1.2 Particulate Matter
Pursuant to 326 IAC 6-3 (Process Operations) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), the particulate matter emissions from the mixing and drying operation shall not exceed ~~46.7~~ **48.8** pounds per hour. **This limitation is equivalent to 213.9 tons per year and, therefore, the Prevention of Significant Deterioration (PSD) rules, 326 IAC 2-2 and 40 CFR 52.21, will not apply.**
6. Condition D.1.2a (Particulate Matter (PM)), below, shall be added as Page 21a of 33 to limit the rate of addition of liquid asphalt to the pugmill of batch-mix asphalt plants. This condition should have been in the original permit.
- D.1.2a Particulate Matter (PM)
That for batch plants, the rate of addition of emulsified asphalt to the pugmill shall be no greater than 7.1 pounds per second per ton of batch size.
7. Condition D.1.2b (Particulate Matter 10 Microns (PM10)), below, shall be added to Page 21a of 33 as part of the federally enforceable limitations on the potential to emit (PTE) PM10 from Plant #1. The new condition shall read as follows:
- D.1.2b Particulate Matter 10 Microns (PM10) [326 IAC 2-8-4]
Pursuant to 326 IAC 2-8-4, emissions of particulate matter 10 microns or less in diameter (PM10) from the aggregate dryer/mixer shall not exceed 19.7 pounds per hour, including both filterable and condensable fractions. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply.
8. Condition D.1.4 (No.2 Fuel Oil Usage) on Page 21 of 33 shall be changed to refer only to the Plant #1 dryer burner as follows:
- D.1.4 No. 2 Fuel Oil Usage
The backup No. 2 fuel oil usage for the 60 million British thermal units per hour aggregate dryer burner, ~~combined with the No. 2 fuel oil usages for 82.7 million British thermal units per hour dryer burner of Plant #2,~~ based on a maximum No. 2 fuel oil sulfur content of 0.49 percent, shall not exceed 2,503,792 U.S. gallons per twelve (12) consecutive months. The total for each month shall not exceed the difference between the annual limit minus the sum of actual usage from the previous eleven (11) months. Compliance is based on the total fuel used during the previous 12 months.

9. Conditions D.1.4a and D.1.4b, below, shall be added to the new Page 21a of 33 to address the production of coldmix asphalt in the stationary batch-mix plant.

D.1.4a Volatile Organic Compounds (VOC) [326 IAC 8-5-2]

Pursuant to 326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving), no person shall cause or allow the use of cutback asphalt or asphalt emulsion containing more than seven percent (7%) oil distillate by volume of emulsion for any paving application except:

- (1) penetrating prime coating
- (2) stockpile storage
- (3) application during the months of November, December, January, February, and March.

D.1.4b Volatile Organic Compounds (VOC)

The input VOC usage in the production of cold mix cutback asphalt shall be limited to 103.4 tons per twelve (12) consecutive month period. This is equivalent to VOC emissions of 98.2 tons per twelve (12) consecutive month period based on 95% volatilization. During the first twelve (12) months of operation, the input VOC usage shall be limited such that the total usage divided by the accumulated months of operation shall not exceed the limit specified. Therefore, the Part 70 rules (326 IAC 2-7) do not apply.

10. Condition D.1.12a (Coldmix Production), below, shall be added to Page 24 of 33 establishing recordkeeping requirements associated with the VOC usage limitation specified in condition D.1.4b. The new condition shall read as follows:

D.1.12a Coldmix Production

The Permittee shall maintain monthly records at the stationary source of the following values:

- (a) The amount and VOC contents of each diluent used in the production of cold mix cutback asphalt. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (1) A log of the dates of diluent use;
 - (2) The total input VOC usage for each month; and
 - (3) The weight of VOCs emitted for each compliance period.

11. Condition D.1.13 (Quarterly Reporting) on Page 24 of 33 of the FESOP shall be modified to include quarterly reporting for the VOC usage limitations in Condition d.1.4b as follows:

D.1.13 Quarterly Reporting

A quarterly summary to document compliance with operation conditions numbers D.1.3, ~~and D.1.4~~, **and D.1.4b** shall be submitted, to the address listed in condition C.16 - General Reporting Requirements, using the enclosed forms or their equivalent, within thirty (30) days after the end of the quarter being reported.

12. Section D.2 (Facility Operation Conditions) including Pages 25 through 29 of the FESOP shall be deleted because it is specific to the portable drum-mix asphalt plant (Plant #2) which is being removed from the permit.
13. A new FESOP Quarterly Report form shall be added as Page 33a of 33. This new form, or its equivalent, shall be used to report VOC usage in the production of coldmix asphalt as required by the changes made to D.1.13 (Quarterly Reporting), as specified in Item 11 of this letter.
14. The source information on the FESOP Quarterly Report form, Page 33 of 33, shall be revised to list only the 60 million British thermal units per hour burner associated with the stationary batch-mix asphalt plant (Plant #1) as follows:

| | |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Source Name: | Dave O'Mara Contractor, Inc. |
| Source Address: | 1100 East O & M Avenue, North Vernon, Indiana 47265 |
| FESOP No.: | F079-6017-03181 |
| Facility: | 60 and 82.7 million British thermal units per hour aggregate dryer burners and 2.2 million British thermal units per hour hot oil heater |
| Parameter: | sulfur dioxide |
| Limits: | sulfur content of No. 2 fuel oil not to exceed 0.49 percent; 2,503,792 gallons of No. 2 fuel oil per last 12-month period. |

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this modification to the front of the original FESOP.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Janusz Johnson, OAM at the above address; or by phone at 317-232-8325 or 1800-451-6027 (ext. 2-8325).

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

JKJ

Attachments: TSD - 3 pages
Modified FESOP pages - 14 pages

cc: File - Jennings County
Air Compliance Section Inspector - Joe Foyst
Compliance Data Section - Jerri Curless
Administrative and Development - Janet Mobley
Technical Support and Modeling - Nancy Landau

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) OFFICE OF AIR MANAGEMENT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015
Phone: 1-800-451-6027

Dave O'Mara Contractor, Inc.
1100 East O & M Avenue, North Vernon, Indiana 47265

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the facilities listed in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 and contains the conditions and provisions specified in 326 IAC 2-8 and 40 CFR Part 70.6 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments) and IC 13-15 and IC 13-17 (prior to July 1, 1996, IC 13-1-1-4 and IC 13-7-10).

| | |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Operation Permit No.: F079-6017-03181 | |
| Issued by: Paul Dubenetzky, Branch Chief Office of Air Management | Issuance Date: December 11, 1996 |
| First Significant Modification: SMF079-9537 | Pages Affected: 4, 5, 16, 21, 21a, 24, 25, 26, 27, 28, 29, 33 and 33a |
| Issued by: Paul Dubenetzky, Branch Chief Office of Air Management | Issuance Date: |

SECTION A SOURCE SUMMARY

A.1 General Information

The Permittee owns and operates a hot batch mix asphalt concrete source.

Responsible Official: Amy Boswell
Source Address: 1100 East O & M Avenue, North Vernon, Indiana 47265
Mailing Address: P. O. Box 423, North Vernon, Indiana 47265
County Location: Jennings
County Status: Attainment for all criteria pollutants
SIC Code: 2951
Source Status: Synthetic Minor Source, FESOP Program

A.2 Emission Units and Pollution Control Summary

The stationary source consists of the following emission units and pollution control devices:

Plant #1 (Batch Asphalt Plant):

- (a) one (1) batch asphalt mix plant, with a maximum capacity of 160 tons per hour, equipped with one (1) natural gas fired aggregate dryer burner with a maximum rated capacity of 60 million British thermal units per hour, using No. 2 fuel oil as back-up fuel, and one (1) wet scrubber for particulate control, exhausting at one (1) stack, identified as #3;
- (b) one (1) 4' x 10' screen; and
- (c) two (2) conveyors to transfer aggregates from cold feed bins to asphalt dryer.

A.3 Insignificant Activities

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(20):

Plant #1

- (a) one (1) natural gas fired hot oil heater rated at 2.2 million British thermal units per hour, using No.2 fuel oil as back-up fuel;
- (b) one (1) 18,000 gallon asphalt storage tank;
- (c) one (1) 18,000 gallon No. 2 fuel oil storage tank;
- (d) unpaved roads with public access;
- (e) storage pile areas with a total size of 3 acres;
- (f) one (1) 55' bucket elevator with 6" x 18" buckets; and
- (g) four (4) virgin aggregate feeder bins.

A.4 FESOP Applicability [326 IAC 2-8-2]

This source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) for a Federally Enforceable State Operating Permit (FESOP).

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations [326 IAC 2-8-4(1)]

C.1 Overall Source Limit [326 IAC 2-8]

Pursuant to 326 IAC 2-8, emissions of VOC from the entire source shall not exceed 24 tons per 365 day period. Emissions of any other regulated pollutant from the entire source shall not exceed 99 tons per 365 day period. Emissions of hazardous air pollutants (HAP) from the entire source shall not exceed 9 tons per 365 day period for any individual HAP or 24 tons per 365 day period of any combination of HAPs. Emissions shall include those from all emission points at the source including those that are insignificant as defined in 326 IAC 2-7-1(20). The source shall be allowed to add insignificant activities not already listed in this permit, as long as the total emissions from the source do not exceed the above specified limits. In the event that any condition or combination of conditions in Section D of this permit differs from the above, the most restrictive limit will prevail.

C.2 Opacity

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions shall meet the following:

- (a) Visible emissions shall not exceed an average of 40 percent opacity in 24 consecutive readings;
- (b) Visible emissions shall not exceed 60 percent opacity for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period; and
- (c) Unless otherwise stated in Section D.

C.3 Open Burning

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6.

C.4 Fugitive Dust Emissions

The Permittee shall be in violation of 326 IAC 6-4 if any of the criteria specified in 326 IAC 6-4-2 (1) through (4) are violated.

C.5 **THIS CONDITION HAS BEEN REMOVED**

SECTION D.1 FACILITY OPERATION CONDITIONS

Plant #1 (Batch Asphalt Mix Plant):

- (a) one (1) batch asphalt mix plant, with a maximum capacity of 160 tons per hour, equipped with one (1) natural gas fired aggregate dryer burner with a maximum rated capacity of 60 million British thermal units per hour, using No. 2 fuel oil as back-up fuel, and one (1) wet scrubber for particulate control, exhausting at one (1) stack, identified as #3;
- (b) one (1) 4' x 10' screen; and
- (c) two (2) conveyors to transfer aggregate from cold feed bins to asphalt dryer.

Emissions Limitations and Standards [326 IAC 2-8-4(1)][326 IAC 6-3][326 IAC 12][40 CFR Part 60.90]

D.1.1 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Condition B.13 of this permit, is required for each facility.

D.1.2 Particulate Matter

Pursuant to 326 IAC 6-3 (Process Operations), the particulate matter emissions from the mixing and drying operation shall not exceed 48.8 pounds per hour. This limitation is equivalent to 213.9 tons per year and, therefore, the Prevention of Significant Deterioration (PSD) rules, 326 IAC 2-2 and 40 CFR 52.21, will not apply.

D.1.3 Sulfur Dioxide (SO₂)

Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide emissions from the 60 million British thermal units per hour burner for the aggregate dryer shall be limited to 0.5 pounds per million British thermal units heat input for No. 2 fuel oil. This is equivalent to a sulfur content of less than or equal to 0.49 percent when using No. 2 fuel oil. Pursuant to 326 IAC 7-1.1-2, this sulfur dioxide limit applies at all times including periods of startup, shutdown and malfunction.

D.1.4 No. 2 Fuel Oil Usage

The backup No. 2 fuel oil usage for the 60 million British thermal units per hour aggregate dryer burner, based on a maximum No. 2 fuel oil sulfur content of 0.49 percent shall not exceed 2,503,792 U.S. gallons per twelve (12) consecutive months. The total for each month shall not exceed the difference between the annual limit minus the sum of actual usage from the previous eleven (11) months. Compliance is based on the total fuel used during the previous 12 months.

During the first twelve (12) months of operation under this permit, the total No. 2 fuel oil usage shall be limited such that the total gallons divided by the accumulated months of operation shall not exceed 208,649 U.S. gallons per month. Therefore, the requirements of 326 IAC 2-7 will not apply.

Testing Requirements [326 IAC 2-8-4(3)]

D.1.5 Particulate Matter

During the period between 30 months and 36 months after issuance of this permit, the Permittee shall perform PM and PM10 testing utilizing methods per 40 CFR Part 60 Appendix A, Method 5, 17, 40 CFR Part 51 Appendix M, Method 201, 201a, 202, as approved by the Commissioner. This test shall be repeated at least once every five years from the date of this valid compliance demonstration. PM10 includes filterable and condensable PM10.

D.1.2a Particulate Matter (PM)

That for batch plants, the rate of addition of emulsified asphalt to the pugmill shall be no greater than 7.1 pounds per second per ton of batch size.

D.1.2b Particulate Matter 10 Microns (PM10) [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4, emissions of particulate matter 10 microns or less in diameter (PM10) from the aggregate dryer/mixer shall not exceed 19.7 pounds per hour, including both filterable and condensable fractions. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply.

D.1.4a Volatile Organic Compounds (VOC) [326 IAC 8-5-2]

Pursuant to 326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving), no person shall cause or allow the use of cutback asphalt or asphalt emulsion containing more than seven percent (7%) oil distillate by volume of emulsion for any paving application except:

- (1) penetrating prime coating
- (2) stockpile storage
- (3) application during the months of November, December, January, February, and March.

D.1.4b Volatile Organic Compounds (VOC)

The input VOC usage in the production of cold mix cutback asphalt shall be limited to 103.4 tons per twelve (12) consecutive month period. This is equivalent to VOC emissions of 98.2 tons per twelve (12) consecutive month period based on 95% volatilization. During the first twelve (12) months of operation, the input VOC usage shall be limited such that the total usage divided by the accumulated months of operation shall not exceed the limit specified. Therefore, the Part 70 rules (326 IAC 2-7) do not apply.

(b) The supplier certification shall contain, as a minimum, the following:

- (1) The name of the oil supplier; and
- (2) A statement from the oil supplier that certifies the sulfur content and heat content of the fuel oil.

D.1.12a Coldmix Production

The Permittee shall maintain monthly records at the stationary source of the following values:

- (a) The amount and VOC contents of each diluent used in the production of cold mix cutback asphalt. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (1) A log of the dates of diluent use;
 - (2) The total input VOC usage for each month; and
 - (3) The weight of VOCs emitted for each compliance period.

D.1.13 Quarterly Reporting

A quarterly summary to document compliance with operation conditions numbers D.1.3 and D.1.4 shall be submitted, to the address listed in condition C.16 - General Reporting Requirements, using the enclosed forms or their equivalent, within thirty (30) days after the end of the quarter being reported.

Dave O'Mara Contractor, Inc.
North Vernon, Indiana
Permit Reviewer: EVP

First Significant Modification SMF079-9537
Reviewer: Janusz Johnson

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FESOP No. F079-6017-03181

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Dave O'Mara Contractor, Inc.
North Vernon, Indiana
Permit Reviewer: EVP

First Significant Modification SMF079-9537
Reviewer: Janusz Johnson

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First Significant Modification SMF079-9537
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FESOP No. F079-6017-03181

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INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR MANAGEMENT COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Dave O'Mara Contractor, Inc.
Source Address: 1100 East O & M Avenue, North Vernon, Indiana 47265
FESOP No.: F079-6017-03181
Facility: 60 million British thermal units per hour aggregate dryer burner
and 2.2 million British thermal units per hour hot oil heater
Parameter: sulfur dioxide
Limits: sulfur content of No. 2 fuel oil not to exceed 0.49 percent; 2,503,792 gallons of
No. 2 fuel oil per last 12-month period.

The total amount of No. 2 fuel oil for the source shall not exceed 208,649 gallons per
month for the first 12 months of operation under this permit.

Month: _____ Year: _____

| Month | Sulfur Content (%) | Heat Content (Btu/gallon) | No. 2 Fuel usage (gal/month) | No. 2 Fuel usage last 12 months (gallons) |
|-------|--------------------|---------------------------|------------------------------|-------------------------------------------|
| | | | | |
| | | | | |
| | | | | |

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.
Deviation has been reported on: _____

Submitted by: _____
Title/Position: _____
Signature: _____
Date: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR MANAGEMENT COMPLIANCE DATA SECTION

Quarterly Report

Source Name: Dave O'Mara Contractor, Inc.
Source Address: 1100 East O & M Avenue, North Vernon, Indiana 47265
Mailing Address: P.O. Box 423, North Vernon, Indiana, 47265
FESOP No.: F079-6017-03181
Facility: cold mix cutback asphalt production
Parameter: volatile organic compound (VOC) usage
Limit: VOC usage not to exceed 103.4 tons per twelve (12) consecutive month period based on 95% volatilization.

YEAR: _____

| Month | Column 1 | Column 2 | Column 1 + Column 2 |
|-------|------------------------------------|----------------------------------------|----------------------------------------|
| | Usage This Month (tons VOC/mo.) | Usage Previous 11 Months (tons VOC) | 12 Month Total (tons VOC/12 months) |
| | | | |
| | | | |
| | | | |

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Indiana Department of Environmental Management Office of Air Management

Technical Support Document for First Significant Modification to Federally Enforceable State Operating Permit (FESOP)

Source Name: Dave O'Mara Contractor, Inc.
Source Location: 1100 East O & M Avenue, North Vernon, Indiana, 47265
County: Jennings
SIC Code: 2951
Significant Modification No.: SMF079-9537
Permit Reviewer: Janusz Johnson

A FESOP (F079-6017-03181) was issued to Dave O'Mara Contractor, Inc., on December 11, 1996, for a 160 tons per hour stationary batch-mix asphalt plant (Plant #1) and a 247 tons per hour portable drum-mix asphalt plant (Plant #2) to be located at the address listed above. On January 28, 1998, Dave O'Mara Contractor, Inc., submitted a letter requesting relocation approval for the 247 tons per hour portable drum-mix asphalt plant (Plant #2). A letter was issued by the OAM on March 18, 1998, allowing relocation of the portable plant. A new FESOP shall be issued for this portable source, and the purpose of this significant modification to the existing FESOP (F079-6017-03181) is to exclude the portable drum-mix plant (Plant #2) from the permit.

Limited PTE

Based on the revisions discussed above, the following is a revised Limited PTE analysis for the stationary 160 tons per hour batch-mix asphalt plant:

- (a) The source has accepted a federally enforceable limit on potential to emit particulate matter (PM) of 249.0 tons per year, consisting of:
 - (i) 213.9 tons per year for the drum-mix aggregate dryer/burner; and
 - (ii) 35.1 tons per year for the other, unlimited and uncontrolled, activities.
- (b) The source has accepted a federally enforceable limit on potential to emit particulate matter 10 microns in diameter or less (PM10) of 99.0 tons per year, consisting of:
 - (i) 86.4 tons per year for the drum-mix aggregate dryer/burner; and
 - (ii) 12.6 tons per year for the other, unlimited and uncontrolled, activities.
- (c) The source has accepted a federally enforceable limit on potential to emit sulfur dioxide (SO₂) of 99.0 tons per year, consisting of:
 - (i) 94.2 tons per year for the aggregate dryer burner; and
 - (ii) 4.8 tons per year for the other, unlimited, activities.
- (d) The source has accepted a federally enforceable limit on potential to emit volatile organic compounds (VOC) of 99.0 tons per year, consisting of:

- (i) 98.2 tons per year for the aggregate dryer burner; and
 - (ii) 0.7 tons per year for the other, unlimited, activities.
- (e) The table below summarizes the total limited potential to emit of the significant and insignificant emission units.

| Process/ facility | Limited PTE (tons/year) | | | | | | |
|------------------------|----------------------------|-------------|-------------|-------------|------------|-------------|------------|
| | PM | PM-10 | SO2 | VOC | CO | NOx | HAPs |
| dryer/mixer & burner | 213.9 | 86.4 | 94.2 | 0.7 | 9.2 | 36.8 | 8.2 |
| conveying/handling | 2.1 | 1.0 | - | - | - | - | - |
| storage piles * | 0.2 | 0.1 | - | - | - | - | - |
| unpaved roads * | 32.7 | 11.4 | - | - | - | - | - |
| hot oil heater | 0.1 | 0.1 | 4.8 | 0.0 | 0.3 | 1.4 | - |
| cutback asphalt | - | - | - | 98.2 | - | - | - |
| Total Emissions | 249.0 | 99.0 | 99.0 | 98.9 | 9.5 | 38.2 | 8.2 |

* For the purposes of Part 70 review, fugitive dust controls have not been included in this limited PTE table.

Enhanced New Source Review

This modification has no increase in emissions and no new equipment associated with it and therefore does not need to be reviewed pursuant to the requirements for Enhanced New Source Review (ENSR), 326 IAC 2-1-3.2.

Federal Rule Applicability

There are no changes in Federal rule applicability due to this modification.

State Rule Applicability

The following State rules are affected by this modification:

326 IAC 6-5 (Fugitive Dust Emissions)

This rule is no longer applicable to this source because the portable plant (Plant #2) which could locate in non-attainment counties is being removed from this source. The stationary batch-mix plant does not trigger applicability of this rule because Jennings County is classified as attainment for particulate matter.

326 IAC 8-5-2 (Miscellaneous Operations: asphalt paving)

This rule is applicable and has been added to the FESOP because coldmix asphalt is produced in the batch-mix asphalt plant. Pursuant to this rule, no person shall cause or allow the use of cutback asphalt or asphalt emulsion containing more than seven percent (7%) oil distillate by volume of emulsion for any paving application except the following purposes:

- (i) penetrating prime coating
- (ii) stockpile storage
- (iii) application during the months of Nov., Dec., Jan., Feb., and Mar.

No other State rule applicabilities are affected by this modification.

Air Toxic Emissions

There will be no increase in the air toxic emissions as a result of this modification.

Conclusion

The modifications to the FESOP for this source will be subject to the conditions of the attached proposed **FESOP Significant Modification Permit No. SMF-079-9537**.