



Florida Department of Environmental Protection

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Sent by Electronic Mail – Received Receipt Requested

PERMITTEE:

TAMKO Building Products, Inc.
914 Hall Park Drive
Green Cove Springs, Florida 32043

Air Permit Number: 0190019-030-AC

Date of Issue: August 26, 2010

Expiration Date: August 26, 2011

Authorized Representative:
John Cannon General Manufacturing Manager

TAMKO Building Products
Minor Source Air Construction Permit
Truck Unloading Rate Increase

This is the final air construction permit, which authorizes: 1) An update to the emissions point description for Tank # 2 (EP8-S) Asphalt Coating Tank to Asphalt Coating Run/ Storage Tank and Truck Unloading; Tank # 3 (EP 3-S) Heavy Saturant Storage Tank and Truck Unloading, to Saturant Storage Tank and Truck Unloading and Interplant Transfer ; Tank # 4 (EP 4-S) Heavy Saturant Storage Tank to, Saturant Storage Tank and Truck Unloading & Interplant Transfer, and Tank # 5 (EP 5-S) Heavy Saturant Storage Tank to Saturant Run Tank and Truck Unloading & Interplant Transfer. 2). An increase in Truck Unloading at a rate of up to a maximum of 400 gal/ min using the same off load pump into Tank # 1 (EP 7-S) Asphalt Coating Tank and Truck Unloading , Tank # 2 (EP 8-S) Asphalt Coating Run /Storage Tank and Truck Unloading, Tank # 3 (EP 3-S) Saturant Storage Tank and Truck Unloading and Interplant Transfer , Tank # 4 (EP 4-S) Saturant Storage Tank and Truck Unloading and Interplant Transfer, and Tank # 5 (EP 5-S) Saturant Run Tank and Truck Unloading and Interplant Transfer. 3). A maximum of up to 400 gal/ min interplant transfer pumping using the same interplant transfer pump between the saturator (EP 1-S) and Tanks # 3-5 (EP 3S-5S).

The proposed work will be conducted at 914 Hall Park Drive in the City of Green Cove Springs, Clay County, FL. The Standard Industrial Classification No. is 2952 for Asphalt Roofing Manufacturing Facility. The UTM coordinates are Zone 17, 435.2 km East; 3316.8 km N.

This final permit is organized by the following sections.

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of

AIR CONSTRUCTION PERMIT (FINAL)

Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Jacksonville, Florida



Christopher L. Kirts, P. E.
District Air Program Administrator

8/26/2010

Date

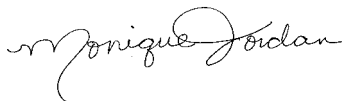
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on 8/26/2010 to the persons listed below.

John Cannon, General Manufacturing Manager (john_cannon@tamko.com)
Veronica N. Sgro, P.E. Koogler and Associates, Inc. (vsgro@kooglerassociates.com)

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.



(Clerk)

8/26/2010

(Date)

SECTION 1. GENERAL INFORMATION (FINAL)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

The Asphalt Roofing Manufacturing Facility consist of an Asphalt Roofing Line, (EU 001) that produces asphalt shingles (mineral surfaced roll roofing) and saturated felt (smooth surface roll roofing); and six heaters (EU 004) that may be fueled with either No. 2 fuel oil, LPG, and Natural Gas.

The production of asphalt roofing products includes fiber glass/organic mat asphalt coating, mineral surface, cooling and drying, product finishing and packaging.

Base fiberglass/organic mat is unrolled from the unwind stand on to the dry looper which maintains a constant tension on the mat. When organic mat is used the mat goes to the saturator to be saturated with asphalt. As the mat substrate (fiberglass/organic) passes through the coater, filled asphalt coating at about 355°F-425°F is released through a valve onto the mat. Squeeze rollers in the coater apply filled coating to the front and back of the mat distributing it evenly to form a thick base coating to which surface materials will adhere. After leaving the coater, the coated material is passed through a surfacing applicator where surfacing materials are fed onto the hot coated surface. The surfacing materials are then pressed into the coatings as the mat passes through an S-drum where it is reversed, exposing the bottom side. Next, backing materials are applied to the back surface and pressed into the mat. After surfacing, the mat is cooled rapidly by water-cooled rolls and/or water sprays and passed through air pressure-operated press rolls used to embed the surface materials firmly onto the filled coating. The mat then passes through a drying section where it is air dried. A finish looper in the line allows a continuous movement of the sheet through the preceding operations and serves to further cool and dry the roofing sheets.

Solvent and water based paints are used to paint lines on the finished roll roofing products. Roll roofing then moves to a winder where rolls are formed. Shingles are passed through a cutter. The finished singles and rolls are then stacked and packaged for shipment.

SECTION 1. GENERAL INFORMATION (FINAL)

The existing facility consists of the following emissions units and points.

Facility ID No. 00190019		
ID No.	Emission Unit Description	
001	Asphalt Roofing Line	
Emissions Point	Description	Throughput Rate
EP-1 (EP1-S)	Saturator & Wet Looper controlled by CVM 90-CTR-12 filter	30.0 TPH production rate ⁽¹⁾ 15.0 TPH production rate ⁽¹⁾
EP-2 (EP2)	Saturator capture system	
EP-3 (EP3-S)	Saturant Storage Tank (Tank #3) & Truck unloading with a CECO Model TVF-10 filter	200 GPM transfer rate
EP-4 (EP4-S)	Heavy Saturant Storage Tank (Tank #4) with a CECO Model TV-10 filter	200 GPM transfer rate
EP-5 (EP5-S)	Heavy Saturant Storage Tank (Tank #5) with a fume filter	400 GPM
EP-7 (EP7-S)	Asphalt Coating Tank (Tank #1) & Truck Unloading controlled by a CECO Model TVF-10 filter	150 GPM transfer rate
EP-8 (EP8-S)	Asphalt Coating Run Tank (Tank #2) controlled by a CECO Model TVF-10 filter	150 GPM transfer rate
EP-11 (EP11-S)	Limestone Silo (Tank #21) & Truck Unloading controlled by a Pneumafil Model PCFH-8 filter	25 TPH silo loading rate
EP-12 (EP12-S)	Coater, #9A Surge Tank & #9B Mixer with common filter (CECO CS-16A10-EA)	
EP-13 (EP13-S)	#10 Mineral Application Section controlled by a Pneumafil Model PCFH-48 filter	30 TPH production rate
EP-14 (EP14-S)	Mineral Silo (Tank #20) & Truck Unloading controlled by a Pneumafil Model PCFH-8	25 TPH silo loading rate
EP-15 (EP15)	Limestone Surge Tank controlled by MAC Equipment 72-AVR21 filter, outdoor exhaust	
EP-16 (EP16)	Mineral Surge Tank controlled by MAC Equipment 54-AVR14 filter, outdoor exhaust	
No. 17 (EP 17)	Granule/Sand Storage Silos (Tanks #22-26) controlled by Bin Vent Filter	See note
EP-18 (EP18)	Truck unloading controlled by portable dust collector	30 Tons/hr
EP-19 (EP19)	Rail unloading	40 Tons/hr
EP-20 (EP20)	Transfer point between conveyor 1 and 2	See note

SECTION 1. GENERAL INFORMATION (FINAL)

EP-21 (EP21)	Transfer point from conveyor 2 to elevator	See note
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ID No.	Emission Unit Description
004	Six Heaters

⁽¹⁾ 24-hr average and shall not be exceeded by more than 10% for any 1-hr average.

Note: based on rail unloading rate

Proposed Project

The applicant proposes: 1) An update to the emissions point description for Tank # 2 (EP8-S) Asphalt Coating Tank to Asphalt Coating Run/Storage Tank and Truck Unloading; Tank # 3 (EP 3-S) Heavy Saturant Storage Tank and Truck Unloading, to Saturant Storage Tank and Truck Unloading and Interplant Transfer; Tank # 4 (EP 4-S) Heavy Saturant Storage Tank to, Saturant Storage Tank and Truck Unloading & Interplant Transfer, and Tank # 5 (EP 5-S) Heavy Saturant Storage Tank to Saturant Run Tank and Truck Unloading & Interplant Transfer. 2) Increase Truck Unloading at a rate of up to a maximum of 400 gal/ min using the same off load pump into Tank # 1 (EP 7-S) Asphalt Coating Tank and Truck Unloading , Tank # 2 (EP 8-S) Asphalt Coating Run /Storage Tank and Truck Unloading, Tank # 3 (EP 3-S) Saturant Storage Tank and Truck Unloading and Interplant Transfer , Tank # 4 (EP 4-S) Saturant Storage Tank and Truck Unloading and Interplant Transfer, and Tank # 5 (EP 5-S) Saturant Run and Truck Unloading and Interplant Transfer. 3) Increase of up to a maximum of 400 gal/ min interplant transfer pumping using the same interplant transfer pump between the saturator (EP 1-S) and Tanks # 3-5 (EP 3S-5S).

This project will modify the following emissions unit and point(s)

EU 001	Asphalt Roofing Line
Emissions Point	Description
EP-3 (EP3-S)	Saturant Storage Tank (Tank #3) & Truck Unloading with a CECO Model TVF-10 filter
EP-4 (EP4-S)	Heavy Saturant Storage Tank (Tank #4) with a CECO Model TV-10 filter
EP-5 (EP5-S)	Heavy Saturant Storage Tank (Tank#5) with a fume filter
EP-7 (EP7-S)	Asphalt Coating Tank (Tank #1) & Truck Unloading controlled by a CECO Model TVF-10 filter
EP-8 (EP8-S)	Asphalt Coating Run Tank (Tank #2) controlled by a CECO Model TVF-10 filter

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

1. Permitting Authority: The permitting authority for this project is the Northeast District Air Program, Florida Department of Environmental Protection (Department). The Northeast District's mailing address is 7825 Baymeadows Way, Suite B200, Jacksonville, Florida 32256-7590. All documents related to applications for permits to operate an emissions unit shall be submitted to the Northeast District.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the North East District Office. The mailing address and phone number of the District Office is: 7825 Baymeadows Way, Suite B200, Jacksonville, Florida 32256. The Permitting Authority's telephone number is 904/807-3300.
3. Appendices: The following Appendices are attached as part of this permit:
 - a. Appendix A. Citation Formats and Glossary of Common Terms;
 - b. Appendix B. General Conditions;
 - c. Appendix C. Common Conditions; and
 - d. Appendix D. Common Testing Requirements.
 - e. Appendix E. Subpart A of NSPS - General Provision.
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.
[Rule 62-4.080, F.A.C.]
6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification.
[Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. Source Obligation: At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.
[Rule 62-212.400(12), F.A.C.]
8. Application for Non - Title V Permit: This permit authorizes construction of the permitted emissions unit and initial operation to determine compliance with Department rules. A completed Application for Air Permit - Non Title V Source (DEP Form No. 62-210.900(3), F.A.C.), shall be submitted to the Department at least 90 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the permittee shall submit the appropriate application form, processing fee, and compliance test reports as required by this permit. [Rules 62-4.055 and 62-4.220, F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

Asphalt Roofing Line (EU 001)

This section of the permit addresses the following emissions unit and points.

EU 001	Asphalt Roofing Line
Emissions Point	Description
EP-3 (EP3-S)	Saturant Storage Tank (Tank #3) & Truck Unloading & Interplant Transfer with a CECO TVF-10 filter
EP-4 (EP4-S)	Saturant Storage Tank (Tank #4) & Truck Unloading & Interplant Transfer with a CECO Model TV-10 filter
EP-5 (EP5-S)	Saturant Run Tank (Tank #5) & Truck Unloading & Interplant Transfer with a fume filter
EP-7 (EP7-S)	Asphalt Coating Tank (Tank #1) & Truck Unloading controlled by a CECO Model TVF-10 filter
EP-8 (EP8-S)	Asphalt Coating Run / Storage Tank (Tank# 2) & Truck Unloading controlled by a CECO Model TVF-10 filter

PERFORMANCE RESTRICTIONS

1. Hours of Operation: The hours of operation are not limited (8760 Hr/Yr.)
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.]
2. Maximum input (operating) Rate: The maximum operating rate of the emissions points listed above is 400 GPM and shall not be exceeded without prior Department approval.
[Rule 62-210.200(PTE) and 62-4.070(3), F.A.C. and applicant's request Application received May 25, 2010]

EMISSIONS STANDARDS

3. Maximum Allowable Emissions Rates: The maximum allowable emissions rate is no more than 0% opacity except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing.
The control device shall not be bypassed during this 15-minute period
[40 CFR 60.472(c)]
4. This emissions unit is also subject to the applicable requirements of 40 CFR 60, Subpart A - General Provisions (Attachment to this permit).
[40 CFR 60.1 (a)]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

Asphalt Roofing Line (EU 001)

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

5. Compliance Test Method: EPA Method 9 shall be used to determine opacity. Compliance test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.

[Rule 62-4.070, F.A.C, Rule -62-297.310(4) and CFR 60.474 (5)]

6. EPA Method 9- Required Sampling Time: The required minimum period of observation for each compliance test shall be thirty (30) minutes. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rule 62-297.310(4)(a)2., F.A.C.]

7. Compliance Tests: Within 60 days after achieving the maximum truck unloading rate at which the unit will be operated, but not later than 180 days after initial startup of the unit, the owner or operator shall conduct compliance test for visible Emissions and furnish the Department a written report of the results of such test(s).

[Rule 62-4. 070 F.A.C.]

8. Compliance Testing Frequency: The Permittee shall test the emissions unit for visible emissions during each federal fiscal year (October 1-September 30), and notify the Department 15 days prior to testing.

[Rules 297.310(7)(a)9 & (8)(b), F.A.C.]

9. Permitted Capacity: Testing of emissions shall be conducted with the emissions unit operation at permitted capacity, which is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted, provided however, operation does not exceed 100 percent of the maximum operation rate allowed by the permit. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity.

[Rule 62-297.310(2), F.A.C.]

NOTIFICATION RECORDS AND REPORTS

10. Annual Compliance Test Report Submittal: The owner or operator shall submit the results of the opacity test reports as electronic or paper copy on or before the applicable permit renewal application submittal date.

[Rule 62-297.310(8), F.A.C.]

11. Recordkeeping Retention: The owner or operator shall maintain records of compliance onsite in either paper copy or electronic format for a period of 5 years following the date of such record. All records should be made available for an inspector's onsite review.

[Rule 62-4.160(14),F.A.C.]