MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION APPLICATION FOR A PERMIT TO CONSTRUCT

DOCKET #18-21

- COMPANY: Schuster Concrete Ready Mix, LLC
- LOCATION: 5501 Van Dusen Road, Laurel, MD 20707
- APPLICATION: One (1) concrete crusher powered by one (1) diesel engine rated at 140 kW

| <u>ITEM</u> | DESCRIPTION |
|-------------|---|
| 1 | Notice of Application and Opportunity to Request an Informational Meeting |
| 2 | Permit to Construct Application Forms |
| 3 | Manufacturer Specifications |
| 4 | Site Plan |
| 5 | Emissions Estimates |
| 6 | Safety Data Sheets |
| 7 | Zoning Approval Documents |

DEPARTMENT OF THE ENVIRONMENT AIR AND RADIATION ADMINISTRATION

NOTICE OF APPLICATION AND OPPORTUNITY TO REQUEST AN INFORMATIONAL MEETING

The Maryland Department of the Environment, Air and Radiation Administration (ARA) received a permit-to-construct application from Schuster Concrete Ready Mix, LLC on July 8, 2021 for the installation of one (1) concrete crusher powered by one (1) diesel engine rated at 140 kW. The proposed installation will be located at 5501 Van Dusen Road, Laurel, MD 20707.

The application and other supporting documents are available for public inspection on the Department's website. Look for Docket #18-21 at the following link:

https://mde.maryland.gov/programs/Permits/AirManagementPermits/Pages/index.aspx

Pursuant to the Environment Article, Section 1-603, Annotated Code of Maryland, the Department will hold an informational meeting to discuss the application and the permit review process if the Department receives a written request for a meeting within 10 working days from the date of the second publication of this notice. All requests for an informational meeting should be emailed to Ms. Shannon Heafey at shannon.heafey@maryland.gov.

Further information may be obtained by contacting Ms. Shannon Heafey by email at shannon.heafey@maryland.gov or by phone at (410) 537-4433.

George S. Aburn, Jr., Director Air and Radiation Administration

Schuster Concrete

3717 Crondall Lane P.O. Box 517 Owings Mills, Maryland 21117 410-363-9620 - Admin Offices Toll Free: 1-87-Schuster - Dispatch/Orders www.schusterconcrete.com

May 18, 2021

Maryland Department of the Environment Air and Radiation Management Administration Air Quality Permits Program 1800 Washington Blvd Baltimore, MD 21230

Dear Sir or Madam:

Included with this letter is an Application for Processing/Manufacturing Equipment. This application is for a permit to construct to install concrete crushing equipment at 5501 Van Dusen Rd, Laurel, MD 20707.

If you have any questions, please contact me at 443-738-9921

Sincerely,

Sherri Palmer Environmental Administrator



AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

| OWNER OF EQUIPMENT/PROCESS | | | | |
|---|--|--|--|--|
| COMPANY NAME: | Schuster Concrete Ready Mix LLC | | | |
| COMPANY ADDRESS: 3713 Crondall Lane, Owings Mills, MD 21117 | | | | |
| | LOCATION OF EQUIPMENT/PROCESS | | | |
| PREMISES NAME: | Schuster Concrete Ready Mix LLC - Van Dusen Rd Plant | | | |
| PREMISES ADDRESS: | 5501 Van Dusen Road, Laurel, MD | | | |
| CONTACT | INFORMATION FOR THIS PERMIT APPLICATION | | | |
| CONTACT NAME: | Sherri Palmer | | | |
| JOB TITLE: | Administrative Assistant | | | |
| PHONE NUMBER: | 410-363-9620 | | | |
| EMAIL ADDRESS: | spalmer@schusterinc.com | | | |
| DESCRIPTION OF EQUIPMENT OR PROCESS | | | | |
| | Concrete reprocessing | | | |

Application is hereby made to the Department of the Environment for a Permit to Construct for the following equipment or process as required by the State of Maryland Air Quality Regulation, COMAR 26.11.02.09.

Check each item that you have submitted as part of your application package.

- Application package cover letter describing the proposed project
- Complete application forms (Note the number of forms included or NA if not applicable.)

| No. | 1 | Form 5 | No. | NA | Form 11 |
|-----|----|----------|-----|----|---------|
| No. | NA | Form 5T | No. | NA | Form 41 |
| No. | NA | Form 5EP | No. | NA | Form 42 |
| No. | NA | Form 6 | No. | NA | Form 44 |
| No. | NA | Form 10 | | | |

- Vendor/manufacturer specifications/guarantees
- Evidence of Workman's Compensation Insurance
- Process flow diagrams with emission points
- Site plan including the location of the proposed source and property boundary
- Material balance data and all emissions calculations
- Material Safety Data Sheets (MSDS) or equivalent information for materials processed and manufactured.
- Certificate of Public Convenience and Necessity (CPCN) waiver documentation from the Public Service Commission ⁽¹⁾
- Documentation that the proposed installation complies with local zoning and land use requirements ⁽²⁾
 - (1) Required for emergency and non-emergency generators installed on or after October 1, 2001 and rated at 2001 kW or more.
 - ⁽²⁾ Required for applications subject to Expanded Public Participation Requirements.

MARYLAND DEPARTMENT OF THE ENVIRONMENT Air and Radiation Management Administration • Air Quality Permits Program 1800 Washington Blvd • Baltimore, Maryland 21230 (410) 537-3230 • 1-800-633-6101 • <u>www.mde.state.md.us</u>

APPLICATION FOR FUEL BURNING EQUIPMENT

Information Regarding Public Outreach

For Air Quality Permit to Construct applications subject to public review, applicants should consider the following information in the initial stages of preparing a permit application.

If you are not sure at the time you are applying for a permit whether public review of your application is required or for information on steps you can take to engage the surrounding community where your planned project will be located, please contact the Air Quality Permits Program at 410-537-3225 and seek their advice.

Communicating and engaging the local community as early as possible in your planning and development process is an important aspect of your project and should be considered a priority. Environmental Justice or "EJ" is a movement to inform, involve, and engage communities impacted by potential and planned environmental projects by affording citizens opportunities to learn about projects and discuss any concerns regarding impacts.

Although some permit applications are subject to a formal public review process prescribed by statute, the Department strongly encourages you to engage neighboring communities separate from and well ahead of the formal permitting process. Sharing your plans by way of community meetings, informational outreach at local gatherings or through local faith-based organizations can initiate a rewarding and productive dialogue that will reduce anxiety and establish a permanent link with your neighbors in the community.

All parties benefit when there is good communication. The Department can assist applicants in developing an outreach plan that fits the needs of both the company and the public.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd • Baltimore, Maryland 21230 (410) 537-3230 •1-800-633-6101 • www.mde.state.md.us

Air and Radiation Management Administration . Air Quality Permits Program

APPLICATION FOR PROCESSING/MANUFACTURING EQUIPMENT

| Permit to | Construct 🖾 | Registration Update | Initial Reg | stration 🖵 |
|---|---|--|--|--|
| 1A. Owner of Equipme Schuster Concrete Read | ent/Company Name | | DO NOT W 2. REGIS | RITE IN THIS BLOCK |
| Mailing Address | | | CountyNo | Drominos No |
| 3713 Crondall Lane | | | County NO. | Fremises No. |
| Street Address | | | - | |
| Owings Mills | MD | 21117 | 1-2 | 3-6 |
| City | State | Zip | Registration | Class Equipment No. |
| Telephone Number | | | | |
| (443) 738-99 | 921 | | 7 | 8-11 |
| () | | | Data Year | |
| Signature | 1 | | | |
| | 11- | | 12-13 | Application Date |
| Jay | 1 pimor | | - | Application bate |
| i C | it Having | | - 2121 | |
| Manager ~ | MIMMO | | 5.21.61 | |
| Print Name and Thie | | | Date | |
| Street Number and S | treet Name MD | | 21620 | |
| | NID . | | 21629 (|) |
| City/Town | State | | Zip | Telephone Number |
| Premises Name (if diffe 3. Status (A= New, B= No Status A 15 4. Describe this Equip | erent from above) Modification to Exi ew Construction Begun (MM/YY) 15 16-19 ment: Make, Model, | sting Equipment, C= New Constructio Completed (MM/N 20-23 | e Existing Equipn In E (Y) Ope | nent) Existing Initial eration (MM/YY) 20-23 Im Hourly Input Rate, etc.) |
| 2013 Powerscreen Metro | otrak HA | | | |
| 5. Workmen's Compe | nsation Coverage | 015630632 | | 3/31/2022 |
| | | Binder/Policy Number | | Expiration Date |
| Company Ne NOTE: Before a Permit t worker's co | ew Hampshire Insurance (o Construct may be issue mpensation coverage as i | 20 d by the Department, the a required under Section 1-2 | applicant must provide 202 of the Worker's Co | the Department with proof of mpensation Act. |
| 6A. Number of Pieces | of Identical Equipn | nent Units to be Reg | istered/Permitted | l at this Time0 |
| 6B. Number of Stack/I | Emission Points As | sociated with this Eq | quipment1 | |



| 7. Person Installing this Equipment (if different from Number 1 on Page 1) |
|---|
| Company |
| Mailing Address/Street |
| City/TownStateTelephone () |
| 8. Major Activity, Product or Service of Company at this Location |
| The production and distribution of concrete. This crusher will be utilized for the crushing of waste concrete for re-use. |
| 9. Control Devices Associated with this Equipment |
| None X 24-0 |
| Simple/Multiple CycloneSpray/Adsorb TowerVenturi ScrubberCarbon AdsorberElectrostatic PrecipitatorBaghouse Thermal/Catalytic |
| Other Describe 24-9 |
| 10. Annual Fuel Consumption for this Equipment |
| OIL-1000 GALLONS SULFUR % GRADE NATURAL GAS-1000 FT ³ LP GAS-100 GALLONS GRADE |
| COAL- TONS SULFUR % ASH% WOOD-TONS MOISTURE % 46-52 53-55 56-58 59-63 64-65 |
| OTHER FUELS |
| 11. Operating Schedule (for this Equipment) Continuous Operation Batch Process Hours per Batch Batch per Week Hours per Day Days Per Week Days per Year |
| X 8 1 8 3 1 6 |
| 67-167-268-6970-717273-75Seasonal Variation in Operation:No VariationWinter PercentSpring PercentSummer PercentFall PercentCotal Seasons= 100%) |
| x x |

Form Number: 5 Rev. 9/27/2002 TTY Users 1-800-735-2258



| 12. Equivalent Stack Information- is Exhaust through Doors, Windows, etc. Only? (Y/N) | | | | | | |
|---|--|---------------|-------------|-----------------------|------------|--|
| If not, then Height Avove Grour | nd (FT) Inside Diameter at To | p Exit Temper | rature (°F) | 85 Exit Velocity (| FT/SEC) | |
| 86-88 | | 92-8 | , | 90-90 | | |
| Attach a block diagram of pro and all existing e | NOTE: Attach a block diagram of process/process line, indicating new equipment as reported on this form and all existing equipment, including control devices and emission points. | | | | | |
| 13. Input Materials (for this equ Is any of this data to be cou | uipment only) nsidered confidential? | (Y or N) | | | | |
| | CAS NO. (IF APPLICABLE) | PER HOUR | UNITS | PER YEAR | | |
| 1. Concrete (Waste) | | 13 | tons | 17000 | tons | |
| 2. | | | | | | |
| 3. | | | | | | |
| 4. | | | | | | |
| 5. | | | | | | |
| 6 | | | | <u> </u> | | |
| 7 | | | | | | |
| 8. | | | | | | |
| 9. | | | | | | |
| TOTAL | | | | | | |
| 14. Output Materials (for this e Process/Product Stream | quipment) | | | | | |
| | CAS NO (IE APPLICABLE) | | | PER YEAR | | |
| 1. Concrete (Crushed) | | 13 | tons | 17000 | tons | |
| 2. | | | | | | |
| 3. | | ···· | | | | |
| 4. | | | | | | |
| 5. | | | | | | |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | | | | | | |
| 9. | | | | | | |
| TOTAL | | | | | | |
| 15. Waste Streams- Solid and | Liquid | | OUTF | PUT RATE | | |
| NAME | CAS NO. (IF APPLICABLE) | PER HOUR | | PER YEAR | UNITS | |
| 1. None | | | | | | |
| 2. | | | | | | |
| 3. | | | | | | |
| 4. | | | | | | |
| 5. | | | | | | |
| 6. | | | | | - <u> </u> | |
| 7. | | | | | <u> </u> | |
| 8. | | | | | | |
| <u> </u> | | | | | <u> </u> | |
| I TOTAL | | | | | I | |



| Particulate Matter | Oxides of Sulfur | Oxides of Nitrogen |
|---|--|---|
| 0.0 | 5 | 3 5 |
| 99-104 | 105-110 | 111-116 |
| Carbon Monoxide | Volatile Organic Compoun | ds PM-10 |
| 1 0 | 0 | .5 0 .05 |
| 177-122 | 123-128 | 129-134 |
| Total Fugitive Emission | s (for this equipment only) in I | Pounds Per Operating Day |
| Particulate Matter | Oxides of Sulfur | Oxides of Nitrogen |
| | | 0 0 |
| 135-139 | 140-144 | 145-149 |
| Carbon Monoxide | Volatile Organic Compoun | ds PM-10 |
| 0 | | 0 0 |
| 150-154 | 155-159 | 160-164 |
| hod Used to Determine | Emissions (1= Estimate | 2= Emission Factor 3= Stack Test 4= |
| TSP SO | K NOX CO | VOC PM10 |
| 1 1 | | 1 1 |
| 165 166 | | |
| AIR AND | RADIATION MANAGEMENT A | DMINISTRATION USE ONLY |
| | | |
| Date Rec'd. Local | Date Rec'd. State | Return to Local Jurisdiction |
| Povioued by Legal | lurisdiction Po | viewed by State |
| Revieweu Dy Local J | | |
| DateBy_ | Date | ByByByByByBy |
| Date By | Date | ByByCode SCC Code |
| Date By | Ionth/Year Equipment (| Code SCC Code |
| Date By | Ionth/Year Equipment (171-174 175-177 | By Code SCC Code 178-185 |
| Date ByByBy | Ionth/Year Equipment (171-174 175-177 Maximum Design Hourly Rate | Code SCC Code 178-185 Permit to Operate Transaction Da Month (MM/DD/YR |
| DateByByByByBy | Ionth/Year Equipment (171-174 175-177 Maximum Design Hourly Rate | Code SCC Code 178-185 Permit to Operate Iransaction Da Month (MM/DD/YR |
| Date ByByByBy | Ionth/Year Equipment (171-174 175-177 Maximum Design Hourly Rate 193-199 | By |
| Date ByByByBy | Ionth/Year Equipment (171-174 175-177 Maximum Design Hourly Rate 193-199 ode SIP Code | By |
| DateByByByByBy | Jonth/Year Equipment (171-174 175-177 Maximum Design Hourly Rate 193-199 193-199 | By |
| DateByByByBy | Introduction Reference Inth/Year Equipment (171-174 175-177 Maximum Design 175-177 Hourly Rate 193-199 ode SIP Code F 12 213 214 | By |
| DateByByByBy | Introduction Revented Date Introduction Equipment (Introduction) 171-174 175-177 Maximum Design Hourly Rate Introduction 193-199 Introduction Introduction Introduction Introduction | By By Code SCC Code 178-185 Permit to Operate Iransaction Date Month (MM/DD/YR 200-201 202-207 Regulation Code Confidentiality 215-218 219 Action |
| DateByByBy | Introduction Revented Date Introduction Equipment (Introduction) 171-174 175-177 Maximum Design Hourly Rate 101 193-199 ode SIP Code F 12 213 214 Point Description Introduction Introduction | Code SCC Code Transaction Da Month (MM/DD/YR 200-201 202-207 Regulation Code Confidentiality 215-218 219 Action A: |

TTY Users 1-800-735-2258



The Powerscreen® Metrotrak HA is a compact, high performance track mobile jaw crushing plant. With an aggressive crushing action and a high output even at tight settings, the Metrotrak is ideally suited for operators in the mining, quarrying and recycling industries.

The Metrotrak HA offers hydraulic adjustment which offers users the benefit of quickly and easily changing the size of finished product.

Features & Benefits

- · Heavy duty fabricated chassis and track frame
- Stepped self-cleaning grizzly feeder Fully skirted product conveyor
- Grizzly by-pass and fines chute
- Hydraulically folding feed hopper
- Dust suppression system
- · Economical to operate with a highly fuel efficient direct dri
- Fitted with Powerscreen Pulse Telematics system

Options

· Side conveyor • Single pole/twin pole magnet Radio remote control Belt weigher Hydraulically driven water pump Electric refuelling pump · Wire mesh for underscreen Super tooth or multi tooth jaw plates

Applications · Sand & gravel Blasted rock River rock C&D waste Overburden

 Foundry waste Processed ores Processed minerals

Output Potential Up to 200tph (220 US tph)*

Product Conveyor Width: 800mm (32") Discharge height: 2.9m (9'6")

Crusher

High capacity single toggle jaw Chamber size: 900mm x 600mm (35" x 23") Min CSS: 40mm (1.5")* Max CSS: 100mm (4")*

WERSCREEN ---

METROTRAK HA

| Weight (Est) (Tier 3) | 20,100kg (01,949lbs) |
|-----------------------|----------------------|
| Weight (Est) (Tier 4) | 29,250kg (64,485lbs) |
| | |

| Iransport width | 2.4m (7 TU) |
|------------------|----------------------------------|
| Transport length | 13.1m (43') |
| Transport height | 3.3m (10'10") |
| Working width | 3.87m (12'6") with side conveyor |
| Working length | 13.1m (42'9") |
| Working height | 3.4m (11'1") |



*Depends on application Engines are available that are certified to US EPA and EU off road diesel emission standards. Talk to your dealer about possible certification options (i.e. Tier 3/Stage 3A:, Tier 4I/Stage 3B:, Tier 4F / Stage 4). Power Unit

Tier 3/Stage 3A: CAT C7.1 ACERT 140kW (188hp) Tier 4F/Stage 4: CAT C7.1 140kW (188hp) Fuel tank capacity: 400 L (106 US GAL)

Hopper



Tracks Width: 400mm (15.7")

Feeder





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

| Т | IIS | CERTIFICATE IS ISSUED AS A | MAT | TER | OF INFORMATION ONLY | | CONFERS N | | JPON THE CERTIFICAT | E HOL | DER. THIS |
|----------------|--|---|-----------------------|-----------------------|--|-------------------------------------|----------------------------|---|---|-----------------|--------------------------|
| CI BI RI | CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER. | | | | | | | | | | |
| IN | IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. | | | | | | | | | | |
| lf | SUI | BROGATION IS WAIVED, subject | to t | he te | rms and conditions of th | e polic | y, certain po | olicies may r | equire an endorsement | . A sta | atement on |
| PRO | | ertificate does not confer rights | io the | ecert | ifficate holder in fieu of st | CONTA | CT Magan Sal |). blaasanbara | | | |
| HM | S II | nsurance Associates, Inc. | | | | NAME: PHONE | | | FAX | 113-63 | 2_3400 |
| 20 Hu | Wig ht V | ght Ave Suite 300 (alley MD 21030 | | | | E-MAIL | se mschloss | enberg@hms | ia com | 440-00 | 2-3433 |
| Tiu | it v | | | | | ADDRE | | SURFR(S) AFFOR | | | NAIC # |
| | | | | | | INSURE | RA: National | Union Fire In | surance of Pittsburgh PA | | 19445 |
| INSU | RED | | | | SCHUCON-02 | INSURE | кв: New Har | mpshire Insur | ance Company | | 23841 |
| Sch | ust) R | ter Concrete Ready Mix, LLC | | | | INSURE | R c : Great Ar | nerican Insur | ance Company | | 16691 |
| Ow | ing | s Mills MD 21117 | | | | INSURE | RD: | | | | |
| | | | | | | INSURE | RE: | | | | |
| | | | | | | INSURE | RF: | | | | |
| <u>CO</u> | | | RTIFIC | | E NUMBER: 260043358 | | | | REVISION NUMBER: | | |
| IN CE E> | | IS TO CERTIFY THAT THE POLICIES ATED. NOTWITHSTANDING ANY R IFICATE MAY BE ISSUED OR MAY USIONS AND CONDITIONS OF SUCH | EQUIF PERT POLI | REME AIN, CIES. | NT, TERM OR CONDITION THE INSURANCE AFFORD LIMITS SHOWN MAY HAVE | VE BEE OF AN' ED BY BEEN F | CONTRACT | OR OTHE INSURE OR OTHER I S DESCRIBEI PAID CLAIMS. | DOCUMENT WITH RESPECT DEREIN IS SUBJECT TO | T TO V ALL T | WHICH THIS THE TERMS, |
| INSR LTR | | TYPE OF INSURANCE | ADDL | SUBR | POLICY NUMBER | | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMIT | s | |
| А | Х | COMMERCIAL GENERAL LIABILITY | | | GL9925611 | | 4/1/2021 | 4/1/2022 | EACH OCCURRENCE | \$ 1,000 | ,000 |
| | | CLAIMS-MADE X OCCUR | | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | \$ 500,0 | 00 |
| | | | | | | | | | MED EXP (Any one person) | \$25,00 | 0 |
| | | | | | | | | | PERSONAL & ADV INJURY | \$ 1,000 | ,000 |
| | GEI | | | | | | | | GENERAL AGGREGATE | \$2,000 | ,000 |
| | | POLICY X JECT X LOC | | | | | | | PRODUCTS - COMP/OP AGG | \$ 2,000 | ,000 |
| Δ | | | | | CA4544925 | | 4/1/2021 | 1/1/2022 | COMBINED SINGLE LIMIT | \$ 2 000 | 000 |
| ~ | X | | | | 0/10/10/20 | | -7/1/2021 | 4/1/2022 | (Ea accident) BODILY INJURY (Per person) | \$ 2,000 | ,000 |
| | | OWNED SCHEDULED | | | | | | | BODILY INJURY (Per accident) | \$ | |
| | Х | HIRED AUTOS ONLY X AUTOS | | | | | | | PROPERTY DAMAGE | \$ | |
| | Х | H/B Phys Dmg \$50,000. | | | | | | | Comp/Coll Deductible | \$ 250/5 | 00 |
| С | Х | UMBRELLA LIAB X OCCUR | | | TUU247860302 | | 4/1/2021 | 4/1/2022 | EACH OCCURRENCE | \$ 10,00 | 0,000 |
| | | EXCESS LIAB CLAIMS-MADE | | | | | | | AGGREGATE | \$ 10,00 | 0,000 |
| | | DED X RETENTION \$ 10,000 | | | | | | | | \$ | |
| В | | RKERS COMPENSATION DEMPLOYERS' LIABILITY Y / N | | | WC39326821 | | 4/1/2021 | 4/1/2022 | X STATUTE ER | | |
| | ANY OFF | PROPRIETOR/PARTNER/EXECUTIVE | N / A | | | | | | E.L. EACH ACCIDENT | \$ 1,000 | ,000 |
| | (Mai If ye | ndatory in NH) | | | | | | | E.L. DISEASE - EA EMPLOYEE | \$ 1,000 | ,000 |
| | DÉS | SCRIPTION OF OPERATIONS below | | | | | | | E.L. DISEASE - POLICY LIMIT | \$ 1,000 | ,000 |
| | | | | | | | | | | | |
| DESC | RIP | TION OF OPERATIONS / LOCATIONS / VEHIC | LES (/ | ACORD | 0 101, Additional Remarks Schedu | le, may be | e attached if more | e space is require | ed) | | |
| Insu | Iran | ce Verification | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| CEF | RTIF | FICATE HOLDER | | | | | ELLATION | | | | |
| | SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. | | | | | | | | | | |
| | | Insurance Verification | | | | AUTHO | RIZED REPRESE | NTATIVE | | | |
| | Contasse | | | | | | | | | | |

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| | Gasoli (SCC 2-02-003- | ne Fuel 01, 2-03-003-01) | Diesel Fuel (SCC 2-02-001-02, 2-03-001-01) | | |
|------------------------------|---|---|---|---|------------------------------|
| Pollutant | Emission Factor (lb/hp-hr) (power output) | Emission Factor (lb/MMBtu) (fuel input) | Emission Factor (lb/hp-hr) (power output) | Emission Factor (lb/MMBtu) (fuel input) | EMISSION FACTOR RATING |
| NO _x | 0.011 | 1.63 | 0.031 | 4.41 | D |
| СО | 6.96 E-03 ^d | 0.99^{d} | 6.68 E-03 | 0.95 | D |
| SO _x | 5.91 E-04 | 0.084 | 2.05 E-03 | 0.29 | D |
| PM-10 ^b | 7.21 E-04 | 0.10 | 2.20 E-03 | 0.31 | D |
| CO ₂ ^c | 1.08 | 154 | 1.15 | 164 | В |
| Aldehydes | 4.85 E-04 | 0.07 | 4.63 E-04 | 0.07 | D |
| TOC | | | | | |
| Exhaust | 0.015 | 2.10 | 2.47 E-03 | 0.35 | D |
| Evaporative | 6.61 E-04 | 0.09 | 0.00 | 0.00 | Е |
| Crankcase | 4.85 E-03 | 0.69 | 4.41 E-05 | 0.01 | Е |
| Refueling | 1.08 E-03 | 0.15 | 0.00 | 0.00 | Е |

Table 3.3-1. EMISSION FACTORS FOR UNCONTROLLED GASOLINE AND DIESEL INDUSTRIAL ENGINES^a

^a References 2,5-6,9-14. When necessary, an average brake-specific fuel consumption (BSFC) of 7,000 Btu/hp-hr was used to convert from lb/MMBtu to lb/hp-hr. To convert from lb/hp-hr to kg/kw-hr, multiply by 0.608. To convert from lb/MMBtu to ng/J, multiply by 430. SCC = Source Classification Code. TOC = total organic compounds.

Classification Code. TOC = total organic compounds.
^b PM-10 = particulate matter less than or equal to 10 µm aerodynamic diameter. All particulate is assumed to be ≤ 1 µm in size.
^c Assumes 99% conversion of carbon in fuel to CO₂ with 87 weight % carbon in diesel, 86 weight % carbon in gasoline, average BSFC of 7,000 Btu/hp-hr, diesel heating value of 19,300 Btu/lb, and gasoline heating value of 20,300 Btu/lb.
^d Instead of 0.439 lb/hp-hr (power output) and 62.7 lb/mmBtu (fuel input), the correct emissions factors values are 6.96 E-03 lb/hp-hr (power output) and 0.99 lb/mmBtu (fuel input), respectively. This is an editorial correction. March 24, 2009

| California | Environmental | Protection | Agenc |
|------------|---------------|------------|-------|
| | | | |

OB Air Resources Board

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

| MODEL YEAR | ENGINE FAMILY | DISPLACEMENT (liters) | FUEL TYPE | USEFUL LIFE (hours) |
|--|---------------|--------------------------|--|------------------------|
| 2013 | DPKXL7.01BL1 | 7.01 | Diesel | 8000 |
| SPECIAL FEATURES & EMISSION CONTROL SYSTEMS | | | TYPICAL EQUIPMENT APPLIC | ATION |
| Electronic Direct Injection, Turbocharger, Charge Air Cooler, Engine Control Module, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Periodic Trap Oxidizer | | | Crane, Loader, Tractor, Dozer Compressor, Generator S | , Pump, Set |

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for non-methane hydrocarbon (NMHC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kW-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

| RATED POWER | EMISSION | EXHAUST (g/kw-hr) | | | | | OPACITY (%) | | | |
|----------------|-----------------------------|-------------------|------|-----|----------|-----|-------------|-------|-----|------|
| CLASS | CATEGORY | | NMHC | NOx | NMHC+NOx | со | PM | ACCEL | LUG | PEAK |
| 130 ≤ kW ≤ 560 | Interim Tier 4 / ALT NOx | STD | 0.19 | 2.0 | N/A | 3.5 | 0.02 | N/A | N/A | N/A |
| | | FEL | N/A | N/A | N/A | N/A | 0.01 | N/A | N/A | N/A |
| | | CERT | 0.03 | 1.8 | | 0.2 | 0.004 | | | |

BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this $2/\frac{24}{2}$ day of November 2012.

nette Hebert, Chief Applie Source Operations Division

Engine Model Summary Template

Attachment 1 af 2

U-R-022-0184

11-16-2012

| Engine Family | 1.Engine Code | 2.Engine Model | 3.BHP@RPM (SAE Gross) | 4.Fuel Rate: mm/stroke @ peak HP (for diesel only) | 5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only) | 6.Torque @ RPM (SEA Gross) | 7.Fuel Rate: mm/stroke@peak torque | 8.Fuel Rate: (lbs/hr)@peak torqu | 9.Emission Control JeDevice Per SAE J1930 |
|---------------|---------------|----------------|--------------------------|--|--|-------------------------------|--|-------------------------------------|--|
| DPKXL7.01BL1 | 1 | 3566/2200 | 275@2200 | 142 | 103 | 927@1400 | 191 | 88 | DDI TAA ECM DOC PTOX EGR |
| DPKXL7.01BL1 | 2 | 3564/2200 | 250@2200 | 132 | 91 | 842@1400 | 177 | 81 | DDI TAA ECM DOC PTOX EGR |
| DPKXL7.01BL1 | 3 | 3562/2200 | 237@2200 | 126 | 89 | 801@1400 | 167 | 77 | DDI TAA ECM DOC PTOX EGR |
| DPKXL7.01BL1 | 4 | 3558/2200 | 213@2200 | 116 | 84 | 718@1400 | 151 | 70 | DDI TAA ECM DOC PTOX EGR |
| DPKXL7.01BL1 | 5 | 3556/2200 | 202@2200 | 112 | 78 | 680@1400 | 146 | 67 | DDI TAA ECM DOC PTOX EGR |
| DPKXL7.01BL1 | 6 | 3552/2200 | 188@2200 | 104 | 69 | 656@1400 | 139 | 64 | DDI TAA ECM DOC PTOX EGR |
| DPKXL7.01BL1 | 7 | 3710/2100 | 172@2100 | 102 | 66 | 627@1000 | 128 | 42 | DDI TAA ECM DOC PTOX EGR |
| DPKXL7.01BL1 | 8 | 3708/2100 | 192@2100 | 113 | 74 | 707@1000 | 150 | 49 | DDI TAA ECM DOC PTOX EGR |
| DPKXL7.01BL1 | 9 | 3702/2100 | 212@2100 | 118 | 81 | 763@1200 | 159 | 63 | DDI TAA ECM DOC PTOX EGR |
| DPKXL7.01BL1 | 10 | 3690/1800 | 204@1800 | 123 | 70 | 687@1400 | 142 | 65 | DDI TAA ECM DOC PTOX EGR |

Attachment 2ab 2

Engine Model Summary Template

U-R-022-0184 11-16-2012

| Engine Family | 1.Engine Code | 2.Engine Model | 3.BHP@RPM (SAE Gross) | 4.Fuel Rate: mm/stroke @ peak HP (for diesel only) | 5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only) | 6.Torque @ RPM (SEA Gross) | 7.Fuel Rate: mm/stroke@peak torque | 8.Fuel Rate: (lbs/hr)@peak torqu | 9.Emission Control eDevice Per SAE J1930 | |
|---------------|---------------|----------------|--------------------------|--|--|-------------------------------|--|-------------------------------------|---|--|
| DPKXL7.01BL1 | 11 | 3688/1800 | 241@1800 | 144 | 85 | 791@1400 | 163 | 75 | DDI TAA ECM DOC PTOX EGR | |
| DPKXL7.01BL1 | 12 | 3560/2200 | 225@2200 | 124 | 83 | 758@1400 | 155 | 72 | DDI TAA ECM DOC PTOX EGR | |
| DPKXL7.01BL1 | 13 | 3666/2150 | 239@2150 | 129 | 89 | 777@1300 | 161 | 69 | DDI TAA ECM DOC PTOX EGR | |
| DPKXL7.01BL1 | 14 | 3698/2150 | 219@2150 | 120 | 80 | 777@1300 | 163 | 68 | DDI TAA ECM DOC PTOX EGR | |
| DPKXL7.01BL1 | Cert Test 15 | 3730/1800 | 321@1800 | 198 | 117 | 935@1800 | 198 | 117 | DDI TAA ECM DOC PTOX EGR | |
| DPKXL7.01BL1 | 15 | 3730/1800 | 321@1800 | 195 | 115 | 935@1800 | 195 | 115 | DDI TAA ECM DOC PTOX EGR | |
| DPKXL7.01BL1 | 16 | 3728/1800 | 247@1800 | 143 | 85 | 720@1800 | 143 | 85 | DDI TAA ECM DOC PTOX EGR | |
| DPKXL7.01BL1 | Cert Test 17 | 3764/2200 | 302@2200 | 170 | 123 . | 940@1400 | 198 | 91 | DDI TAA ECM DOC PTOX EGR | |
| DPKXL7.01BL1 | 17 | 3764/2200 | 302@2200 | 170 | 123 | 940@1400 | 198 | 91 | DDI TAA ECM DOC PTOX EGR | |

SAFETY DATA SHEET (SDS)

Ready Mixed Concrete

| Section 1. Identification | on |
|--------------------------------|--|
| Product identifier: | Ready Mixed Concrete |
| Other means of identification: | Concrete, Ready Mix Concrete, Concrete Ready Mix, Portland Cement Concrete, Ready Mix Grout, Permeable Concrete, Shotcrete, Gunite, Colored Concrete, Flowable Fill, Roller- Compacted Concrete, Fiber Reinforced Concrete |
| Identified uses: | Concrete is widely used as a structural component in many construction applications. |
| Supplier's details: | Schuster Concrete Ready Mix, LLC 3713 Crondall Lane, Owings Mills MD 21117 410-363-9620 |
| Emergency telephone number: | Schuster Concrete Ready Mix, LLC – Tom Cason 410-363-9620 Poison Help line: 1-800-222-1222 |

| Section 2. Hazards Ident | ification |
|----------------------------|--|
| Classification of mixture: | Skin Corrosion/Irritation: Category 1 Eye Damage/Irritation: Category 1 Sensitization – Skin: Category 1 Specific Target Organ Toxicity (Single Exposure) (Respiratory tract irritation): Category 3 |
| Signal word: | Danger |
| Pictograms: | |
| Hazard statements: | Cause severe skin burns and serious eye damage. |
| | May cause an allergic skin reaction. |
| | May cause respiratory irritation. |
| Precautionary statements: | Wear protective gloves. Wear eye and/or face protection. Avoid breathing |
| | dust. Wash hands thoroughly after handling. May cause eye and skin burns. |
| | See Section 4 for additional details. May present risk of engulfment. See |
| | Section 7 for additional details. Overexposure to wet concrete can cause |
| | severe, potentially irreversible tissue (skin, eye, respiratory tract) damage in |

| Continued | the form of chemical burns, including third degree burns. The same severe injury can occur if wet or moist skin is exposed to dry Ready Mixed Concrete dust. Clothing wet with moisture from concrete can transmit the caustic effects to the skin, causing chemical burns. Ready Mixed Concrete may cause skin burns with little warning; discomfort or pain cannot be relied upon to alert a person to a serious injury. Pain or the severity of the burn may not be felt or known until hours after the exposure. Medical conditions which may be aggravated by exposure: Contact with wet concrete may aggravate existing skin conditions. Sensitivity to hexavalent chromium can be aggravated by exposure. |
|-----------------------------------|---|
| Hazards not otherwise classified: | Not applicable. |

Section 3. Composition/Information on Ingredients

| Substance/mixture: | Mixture (Portland Cement, Coarse Aggregate, Fine Aggregate, Water, Admixtures) | | | | | |
|--|--|-----------------|------------|--|--|--|
| CAS number: | Not applicable. | Not applicable. | | | | |
| Product code: | Not applicable. | | | | | |
| Ingredient name (Structure of Ready Mixed Concrete may | | % | CAS Number | | | |
| contain the following | in some concentration ranges): | | | | | |
| Quartz (Aggregates) | | 0-80 | 14808-60-7 | | | |
| Limestone (Aggregates) | | 0-80 | 131 7-65-3 | | | |
| Portland cement | | 0-20 | 65997-15-1 | | | |
| Slag cement | | 0-15 | N/A | | | |
| Fly ash | | 0-10 | 68131-74-8 | | | |

Any concentration shown as a range is to protect confidentiality or is due to batch variation. Chemical admixtures may be present in ranges of less than 1%.

Individual composition of hazardous constituents may vary between types/different mix designs of Ready Mixed Concrete.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

| Section 4. First-aid | Measures |
|----------------------|--|
| Inhalation: | Seek medical help if coughing or other symptoms persist. Inhalation of large amounts of Ready Mixed Concrete requires immediate medical attention. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the individual is not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. |

| Skin contact: | Get medical attention immediately. Heavy exposure to Ready Mixed Concrete dust, |
|---------------|--|
| Continued | Wet concrete or associated water requires prompt attention. Quickly remove contaminated clothing, shoes, and leather goods such as watchbands and belts. Quickly wash or brush away Ready Mixed Concrete. Immediately wash thoroughly with gently flowing water and non-abrasive pH neutral soap. Seek medical attention for rashes, burns, irritation, dermatitis and prolonged unprotected exposures to wet concrete, concrete mixtures or liquids from wet concrete. Burns should be treated as caustic burns. Ready Mixed Concrete may cause skin burns with little warning. Discomfort or pain cannot be relied upon to alert a person to a serious injury. You may not feel pain or the severity of the burn until hours after the exposure. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. |
| Eye contact: | Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician. |
| Ingestion: | Get medical attention immediately. Call a poison center or physician. Have victim rinse mouth thoroughly with water. Do not induce vomiting unless directed to do so by medical personnel. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop giving water if the exposed person feels sick as vomiting may be dangerous. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. |
| | Important symptoms/effects, acute and delayed: |
| Inhalation: | May cause respiratory irritation. Adverse symptoms may include the following: respiratory tract irritation, coughing |
| Skin contact: | May cause severe burns. May cause an allergic skin reaction. Adverse symptoms may include the following: pain or irritation, redness, blistering may occur |
| Eye contact: | May cause serious eye damage. Adverse symptoms may include the following: pain, watering, redness |
| Ingestion: | May cause burns to mouth, throat and stomach. Adverse symptoms may include the following: stomach pains |
| Indication | of immediate medical attention and special treatment, if necessary: |
| If inhaled: | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Prolonged and repeated inhalation of respirable crystalline silica-containing dust in excess of appropriate exposure limits has caused silicosis, fibrosis or scar tissue formations in the lungs. Call a poison center or physician if you feel unwell. |

| If on skin: | Wash with plenty of pH neutral soap and water. Take off contaminated clothing. |
|-------------------------------|---|
| | Wash contaminated clothing before reuse. If skin irritation or rash occurs: get |
| | medical attention. Ready Mixed Concrete may contain trace amounts of hexavalent |
| | chromium. Hexavalent chromium is associated with allergic skin reactions which may |
| | appear as contact dermatitis and skin ulcerations. Persons already sensitized may |
| | react to their first exposure to concrete. Other individuals may develop allergic |
| | dermatitis after repeated exposure to concrete. The symptoms of allergic reactions |
| Continued | may include reddening of the skin, rash, and irritation. Symptoms of chronic |
| | exposure to wet concrete may include reddening, irritation, and eczematous rashes. |
| | Drving, thickening, and cracking of the skin and nails may also occur. |
| | |
| If in eyes: | Rinse cautiously with water for several minutes. Remove contact lenses, if present |
| | and easy to do. Continue rinsing. Exposure to dust may cause immediate or delayed |
| | irritation or inflammation. Eve contact by larger amount of dry power or splashes of |
| | wet Ready Mixed Concrete may cause effects ranging from moderate eve irritation |
| | to chemical burns or blindness. Immediately call a poison center or physician. |
| | |
| If ingested: | Irritating to mouth, throat and stomach. Ingestion of large quantities may cause |
| | severe irritation and chemical burns of the mouth, throat, stomach and digestive |
| | tract. Do not ingest Ready Mixed Concrete. Get immediate medical attention. |
| | |
| Notes to physician: | Treat symptomatically. Contact poison treatment specialist immediately if large |
| | quantities have been ingested or inhaled. |
| | |
| Protection of first-aiders: | No action shall be taken involving any personal risk or without suitable training. It |
| | may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| | Wear gloves when removing contaminated clothing. |
| | |
| See toxicological information | on listed in Section 11. |

Section 5. Fire-fighting Measures

| Suitable extinguishing media: | Use an extinguishing agent suitable for the surrounding fire. |
|--|--|
| Unsuitable extinguishing media: | None known. |
| Specific hazards arising from the product: | No specific fire or explosion hazard. |
| Hazardous thermal decomposition products may include: | Carbon dioxide, carbon monoxide, sulfur oxides, metal oxide/oxides |
| Special protective equipment and precautions for fire-fighters: | Fire-fighters should wear appropriate protective equipment. |

| Section 6. Accidental Release Measures | | | |
|--|--|--|--|
| For non-emergency personnel: | Personnel involved with the handling of wet unhardened concrete should | | |
| | take steps to avoid contact with the eyes and skin, through the use of | | |
| | gloves and suitable clothing as described in Section 8. Silica-containing | | |
| | respirable dust particles may be generated by crushing, cutting, grinding, | | |
| | or drilling hardened concrete or concrete products, and should always be | | |

| | avoided. Follow protective controls defined in Section 8 when handling these products. When cutting, grinding, crushing or drilling hardened concrete, use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. |
|--|---|
| For emergency responders : | For personal protective clothing and equipment requirements, please see Section 8. |
| Environmental precautions: | Wet unhardened concrete should be recycled or allowed to harden and disposed. Do not wash concrete down sewage and drainage systems or into bodies of water (e.g. lakes, streams, wetlands, etc.). |
| Methods and materials for containment and cleaning up spills: | Place spilled material into a contained area and allow wet unhardened concrete to harden and dispose in a landfill as common solid waste. Follow applicable Federal, State, and local regulations for disposal. Uncontaminated ready mixed concrete is neither a listed nor a characteristic hazardous waste under designations by the USEPA or USDOT. |
| USDOT Class: Uncontaminated ready r | nixed concrete does not meet any hazardous material class definition found |

in Title 49 Code of Federal Regulations Part 173.

| Section 7. Handling and Sto | orage |
|--|--|
| Precautions for safe handling: | When required use appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure by obtaining and following special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe dust. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Conditions for safe storage, including any incompatibilities: | A key to using the product safely requires the user to recognize that Ready Mixed Concrete reacts chemically with water to produce calcium hydroxide which can cause severe chemical burns. Every attempt should be made to avoid skin and eye contact with concrete. Do not get Ready Mixed Concrete inside boots, shoes or gloves. Do not allow wet, saturated clothing to remain against the skin. Promptly remove clothing and shoes that are dusty or wet with concrete mixtures. Launder/clean clothing and shoes before reuse. |

| Section 8. Exposi | ure Controls/ | Personal Protec | tion | |
|---|--|---|--|--------------------|
| Ingredient name: | Exposure limits: | | | |
| | OSHA PEL: | ACGIH TLV: | NIOSH REL: | MSHA PEL: |
| Quartz* Continued | TWA: 10 mg/m3 / (%SiO2+2) 8 hours. Form: Respirable TWA: 250 MPPCF / (%SiO2+5) 8 hours. Form: Respirable | TWA: 0.025 mg/m3 8 hours. Form: Respirable fraction | TWA: 0.05 mg/m3 10 hours. Form: respirable dust | N/A |
| Portland cement | TWA: 5 mg/m3 8 hours. Form: Respirable fraction TWA: 15 mg/m3 8 hours. Form: Total dust | TWA: 1 mg/m3 8 hours. Form: Respirable fraction | TWA: 5 mg/m3 10 hours. Form: Respirable fraction TWA: 10 mg/m3 10 hours. Form: Total | N/A |
| Limestone* | TWA: 5 mg/m3 8 hours. Form: Respirable fraction TWA: 15 mg/m3 8 hours. Form: Total dust | N/A | TWA: 5 mg/m3 10 hours. Form: Respirable fraction TWA: 10 mg/m3 10 hours. Form: Total | N/A |
| Fly ash* | TWA: 5 mg/m3 8 hours. Form: Respirable fraction TWA: 15 mg/m3 8 hours. Form: Total dust | TWA: 10 mg/m3 10 hours. Form: Total | N/A | N/A |
| Slag cement | N/A | N/A | N/A | N/A |
| *Each of these ingredients may have crystalline silica (quartz) as a component. The percent of silica varies greatly from product to product and also within the same product. Silica exposure may occur when respirable dust is present. Dust is not present in freshly mixed unhardened Ready Mixed Concrete. | | | | |
| Annuonuisto organizzativo | | with adaptate wards | tion If your one setting the | annarata duat una |
| Appropriate engineering | j Use only | y with adequate ventila | tion. If user operations | generate dust, use |

| controls: | process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. |
|--|--|
| Individual protection measures (including Personal Protective Equipment): Continued | Clean water should always be readily available for skin and (emergency) eye washing. Periodically wash areas contacted by Ready Mixed Concrete with a pH neutral soap and clean, uncontaminated water. If clothing becomes saturated with Ready Mixed Concrete, it should be removed and replaced with clean, dry clothing. To prevent eye contact, wear safety glasses with side shields, safety goggles or face shields when handling dust or wet concrete. Wearing contact lenses |
| | when working with concrete is not recommended. Use impervious, waterproof, abrasion and alkali-resistant gloves. Do not rely on barrier creams in place of impervious gloves. Do not get Ready Mixed Concrete inside gloves. Use impervious, waterproof, abrasion and alkali-resistant boots and long- sleeved and long-legged clothing to protect the skin from contact with wet Ready Mixed Concrete. To reduce foot and ankle exposure, wear impervious boots that are high enough to prevent Ready Mixed Concrete from getting inside them. If finishing concrete, wear waterproof knee pads to protect knees. Do not get Ready Mixed Concrete inside boots, shoes, or gloves. Remove clothing and protective equipment that becomes saturated with |
| | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved. Footwear and other gear to protect the skin should be approved by a specialist before handling this product. Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. (See OSHA Respiratory Protection Standard 29 CFR 1910.134) |

| Section 9. Physical and Chemical Properties | | | |
|---|---|--|------------------------------------|
| Appearance (physical state, color, etc.) | Solid, semi-fluid, flowable, granular paste, varying Gray color, varying | Upper/lower flam or explosive limit | nmability N/A s: |
| Odor: | Odorless | Vapor pressure: | N/A |
| Odor threshold: | N/A | Vapor density: | N/A |
| pH: | Pour solution: 12+ | Relative density: | Normal weight concrete: 2.2 to 2.6 |
| Melting point/freezing | N/A | Solubility: | N/A |

| point: | | | |
|-----------------------------|--------------------|------------------------|-----|
| Initial boiling and boiling | N/A | Partition coefficient: | N/A |
| range: | | n-octanol/water: | |
| Flash point: | Not flammable. Not | Auto-ignition | N/A |
| | combustible. | temperature: | |
| Evaporation rate: | N/A | Decomposition | N/A |
| | | temperature: | |
| Flammability (solid, gas): | N/A | Viscosity: | N/A |

| Section 10. Stability a | and Reactivity |
|--|--|
| Reactivity: | Cementitious materials react slowly with water forming hydrated compounds, releasing heat and producing a strong alkaline solution. |
| Chemical stability: | The product is stable. |
| Possibility of hazardous reactions: | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid: | No specific data. |
| Incompatible materials: | Reactive or incompatible with the following materials: oxidizing materials, acids, aluminum and ammonium salt. Ready Mixed Concrete is highly alkaline and will react with acids to produce a violent, heat-generating reaction. Toxic gases or vapors may be given off depending on the acid involved. Reacts with acids, aluminum metals and ammonium salts. Aluminum powder and other alkali and alkaline earth elements will react in wet mortar or concrete, liberating hydrogen gas. Limestone ignites on contact with fluorine and is incompatible with acids, alum, ammonium salts, and magnesium. Silica reacts violently with powerful oxidizing agents such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride yielding possible fire and/or explosions. Silicates dissolve readily in hydrofluoric acid producing a corrosive gas - silicon tetrafluoride. |
| Hazardous decomposition | Under normal conditions of storage and use, hazardous decomposition products |
| products: | should not be produced. |

| Section 11. Toxicological Information | | | |
|---------------------------------------|---|--|--|
| Likely routes of exposure: | Dermal contact. Eye contact. Inhalation. Ingestion. | | |
| | Symptoms: | | |
| | Symptoms. | | |
| Inhalation: | May cause respiratory irritation. Adverse symptoms may include the following: | | |
| | respiratory tract irritation, coughing | | |
| | | | |
| Skin contact: | May cause severe burns. May cause an allergic skin reaction. Adverse symptoms | | |
| | may include the following: nain or irritation, redness, blistering may occur | | |
| | may include the following. pair of initiation, redness, blistering may occur | | |
| Eve contact: | May cause serious eve damage. Adverse symptoms may include the following: | | |
| | nain watering rednoss | | |
| | pail, watering, reuness | | |
| | | | |
| Ingestion: | May cause burns to mouth, throat and stomach. Adverse symptoms may include | | |

| | the following: stoma | ch pains | | | | | |
|-----------------------------------|--|----------|------|------|-------|-----|-------|
| Delayed and immediate effects: | Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. If sensitized to hexavalent chromium, a severe allergic dermal reaction may occur when subsequently exposed to very low levels. | | | | | | |
| Numerical measures of toxicity: | No data available. | | | | | | |
| Ingredient name: | NPT | IARC | OSHA | MSHA | NIOSH | EPA | ACGIH |
| Portland cement | Known to be a human carcinogen. | N/A | N/A | N/A | N/A | N/A | A4 |
| Quartz | Known to be a human carcinogen. | 1 | N/A | N/A | N/A | N/A | A2 |

| Section 12. Ecological Information | | | |
|------------------------------------|--|--|--|
| Ecotoxicity: | Only relevant in accidental spillages of fresh unhardened concrete. If it reaches water, it can result in a slight rise in pH. Hardened concrete is inert. | | |
| Persistence and degradability: | No data available. | | |
| Bioaccumulative potential : | No data available. | | |
| Mobility in soil: | No data available. | | |
| Other adverse effects: | No known significant effects or critical hazards. | | |

Section 13. Disposal Considerations

If disposing Ready Mixed Concrete, it should be done in accordance with local, regional, and national regulations.

The generation of waste should be avoided or minimized wherever possible.

If disposing this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Process water should not be released to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Landfill should only be considered when recycling is not feasible. This material must be disposed of in a safe manner. Avoid dispersal of spilled material and runoff in waterways, drains and sewers.

| Section 14. Transport Information | | |
|-----------------------------------|----------------|--|
| UN number: | Not regulated. | |
| UN proper shipping name: | N/A | |
| Transport hazard class(es): | N/A | |
| Packing group: | N/A | |

| Environmental hazards: | None. |
|------------------------|---|
| Transport in bulk: | Annex II of MARPOL 73/78 and the IBC Code |
| Special precautions: | Ensure that persons transporting the product know what to do in the event of an accident or spillage. |

Section 15. Regulatory Information

OSHA Hazard Communication: This product is considered by OSHA to be a hazardous material and should be included in the employer's hazard communication program.

CERCLA/SUPERFUND: This product is not listed as a CERCLA hazardous substance.

EPCRA SARA Title III: This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 and is considered a hazardous and a delayed health hazard.

EPCRA SARA Section 313: This product may contain substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

RCRA: If discarded in its hardened form, this product would not be a hazardous waste either by listing characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA: Portland Cement and crystalline silica are exempt from reporting under the inventory update rule.

California Proposition 65: Crystalline silica (airborne particulates of respirable size) and Chromium (hexavalent compounds) are substances known by the State of California to cause cancer.

WHMIS/DSL: Products containing crystalline silica and calcium carbonate are classified as D2A, E and are subject to WHMIS requirements.

Section 16. Other Information

Date of last revision:

on: February, 2016

***NOTICE TO READER/PRODUCT USER:**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

This Safety Data Sheet (SDS) is intended as a sample. While it represents ingredients and values typical for Portland cement concrete, concrete and its constituent ingredients vary in composition. Information on specific

aggregates, cementitious materials, water and admixtures should be provided by the supplier upon request. The information contained in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

The information set forth herein is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside the concrete/concrete products producer's control, the producer makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information.

Before using any portion of this draft template SDS for ready mixed concrete, the National Ready Mixed Concrete Association (NRMCA) highly recommends obtaining legal consultation first. This draft template is designed as a guide for use by NRMCA members in drafting their own company and product specific SDS.

This sample SDS was created for NRMCA through contract and coordination with the company MSDSPro, LLC, and reviewed by the NRMCA Operations, Environmental and Safety Committee.

Schuster Concrete

3717 Crondall Lane P.O. Box 517 Owings Mills, Maryland 21117 410-363-9620 - Admin Offices Toll Free: 1-87-Schuster - Dispatch/Orders www.schusterconcrete.com

May 19, 2021

Referencing: Air Quality Permit to Construct Application - 5501 Van Dusen Rd

The property located at 5501 Van Dusen Rd (10.3 acres), is part of a larger parcel of land (5801 Van Dusen Rd – 107 acres) leased by Schuster Concrete Ready Mix LLC from 1325 G Street Associates LLLP.

The entire parcel of land, located in Prince Georges County is zoned R-R Rural Residential. According to the **Guide to Zoning Categories Prince George's County, Maryland**, that zoning category is described as "Permits approximately one-half-acre residential lots; subdivision lot sizes depend on date of recordation; allows a number of nonresidential special exception uses."

Per a conversation with the Landlord (1325 G Street Associates LLLP), the property is zoned residential with nonconforming grandfathered use. Please see two included maps from SDAT-Real Property Search and from PGAtlas Zoning Map.

If you have any questions, please contact me at the number listed above.

Sincerely,

Sherri Palmer Environmental Administrator



Property Search Results

Property

Real Property Data Search

Search Result for PRINCE GEORGE'S COUNTY

| View | Мар | | View GroundRent Redemption View GroundRent Registration | | | | | Registration | |
|---|--------------|--|---|---------------------|-------------------|----------------------|------------|----------------------------|--|
| Tax Exem | ipt: | | | Speci | al Tax Recaptu | re: | | | |
| Exempt C | lass: | | | NONE | | | | | |
| Account Ide | entifier: | | District - 01 A | Account Number - 00 | 014381 | | | | |
| Account Identifier. District - 01 Account Humber - 001+301 Owner Information | | | | | | | | | |
| Owner Nam | ie: | | 1325 G STRE | ET ASSOCIATES LL | LP | Use: | | RESIDE | INTIAL |
| | | | | | | Principal F | Residence: | NO | |
| Mailing Address: | | KONTERRA S 14401 SWEIT LAUREL MD | SUITE 200 ZER LN 20707-2925 | Deed Refe | | rence: /05548/ 00921 | | 00921 | |
| | | | | Locati | on & Structure Ir | nformation | | | |
| Premises A | ddress: | | 5801 VAN DU LAUREL 2070 | SEN RD 07-0000 | | Legal Des | cription: | PT PAR DFRRW 95465 A | . 83(14.61A /38 #95465 07) (IT# MND09 &.79A DFR) |
| Map: | Grid: | Parcel: | Sub District: | Subdivision: | Section: | Block: | Lot: | Assessment Year | : Plat No: |
| 0008 | 00F2 | 0083 | | 0000 | | | | 2017 | Plat Ref: |
| Special Ta | ax Areas: | | | | Town: | | | Ν | JONE |
| | | | | | Ad Valorer | n: | | | |
| | | | | | Tax Class: | | | 8 | 3 |
| Drimons | | .:14 | Above Crede Living | A **** | Finished Ba | aamant Araa | Π. | anathil and Area | County Line |
| 1930 | Siluciule Di | int | 1 080 SE | Alea | Fillislieu Ba | Sement Area | 10 | | 002 |
| 1950 | | | 1,000 31 | | | | | 11.0300 AC | 002 |
| Stories | Bas | ement | Туре | Exteri | ior Fu | ull/Half Bath | Garag | ge Last M | ajor Renovation |
| 1 1/2 | YES | 3 | STANDARD UNIT | FRAM | IE 1 t | full/ 1 half | | | |
| - | | | | | Value Informati | ion | | | |
| | | | Base Valu | e | Value | | Phase-in A | Assessments | |
| | | | | | As of | | As of | | As of |
| Land | | | 1 176 300 | | 1 176 300 | | 07/01/2018 | 5 | 07/01/2019 |
| Improvem | nents | | 352 700 | | 355 600 | | | | |
| Total: | | 1,529,000 | | 1,531,900 | | 1,530,933 1,531,900 | | | |
| Preferential Land: | | 0 | | | 0 | | 0 | | |
| Transfer Information | | | | | | | | | |
| Seller: B A ASSOCIATES LTD | | | Date: 0 |)6/29/1982 | | | I | Price: \$0 | |
| Type: NON-ARMS LENGTH OTHER | | Deed1: /05548/ 00921 | | | | Deed2: | | | |
| Seller | | | | Date: | | | | | Price |
| Type: | | | | Deed1 | | | | | Deed2: |
| Type. | | | | Deeul | • | | | | |
| Seller: | | | | Date: | | | | I | Price: |
| Туре: | | | | Deed1: | | | | ſ | Deed2: |
| Deutiel From | | | 01 | | exemption Inform | nation | | 07/04/0 | 040 |
| County: | npt Assess | ments: | | | | 07/01/2018 |) | 07/01/20 | 610 |
| State: | | | 000 | | | 0.00 | | | |
| Municipal: | | | 000 | | | 0.00 0.00 | | 0.00 0.0 | 0 |
| Tax Exempt: Special Tax Recenture: | | | | | | | | | |
| Exempt Class: NONE | | | | | | | | | |
| | | | | Homes | tead Application | Information | | | |
| Homestead Application Status: No Application | | | | | | | | | |
| | •• | | | Homeowners' | Tax Credit Appli | ication Information | | | |
| Homeowne | rs' Tax Cred | lit Application S | tatus: No Application | | | Date: | | | |



MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION Prince George's County Planning Department

Planning Information Services 14741 Governor Oden Bowie Drive, Suite L2 Upper Marlboro, MD 20772

(301) 952-3208 (301)-952-3195 www.mncppc.org

July 8, 2021

Ms. Sherri Palmer Schuster Concrete Ready Mix LLC 3713 Crondall Lane Owings Mills, MD 21117

Re: 5600 and 5801 Van Dusen Road, Laurel, MD 20707

Tax ID: 1011774 and 0014381 (Parcels 136 and 83)

In response to your request for information regarding the above-referenced property, we have researched our files/data base and present the following:

Zoning Verification OR 🛛 Buildable lots

1. The current zoning classification for the subject property is:

R-R (Rural Residential)

Overlay District(s): □ Yes ☑ No

2. Record Lot(s): Yes Date: *An area of land designated as a separate parcel of land on a "Record Plat," or on a legally recorded deed (to land for which no "Subdivision" plat is required pursuant to the provisions of Subtitle 24) filed among the Land Records of Prince George's County, Maryland.*

Comment:

3. Specific Use(s)/Regulation(s):

Specific uses permitted in the R-R Zone may be found in Part 5, Section 27-441(b) of the Prince George's County Zoning Ordinance (Ordinance). **See page 3 for additional information.**

- 4. According to the current zoning ordinance and/or regulations applicable to the subject property, the **current use** of the property is classified as:
 - \Box Permitted by Right
 - \Box Permitted by Special Exception
 - ☑ Legally Nonconforming
 - \Box Prohibited
 - Comment:
- 5. Conformance: According to the current zoning ordinance and/or regulations applicable to the subject property, the current use and/or structure is:

□ Legally Conforming (in conformance with applicable zoning and subdivision regulations, or grandfathered). May rebuild in accordance with current regulations.

Legally Nonconforming (not in conformance with applicable zoning and subdivision regulations, but legal and subject to conditions and/or requirements). See Rebuild (below).

 \Box Nonconforming (not in conformance with applicable zoning and subdivision regulations). See Rebuild (below).

Comment:

6. Rebuild: In the event of casualty, in whole or in part, the structure located on the subject property may be rebuilt in its current form in accordance with Section 27-243 of the current zoning ordinance:

🗹 Yes 🛛 🗆 No

Comment:

7. Variances, special exceptions, and/or zoning conditions approved for the subject property:

□ Variance □ Special Exception □ Zoning Conditions ☑ None Comment: 8. Site Plan Information:

 ✓ An approved site plan for the subject property is on file.
 Available plans must be requested, additional fees apply. Request plans at http://www.pgplanning.org/DocumentCenter/View/6884/Online-Information-Request-Form
 □ No site plan

List of approved plans and permits for subject property:

On May 15, 1998, Permit #2842-1994-U was approved for a certified nonconforming aggregate crushing plant per Resolution #97-46(A).

Additional comments regarding the subject property:

A rock crusher has been classified as personal property. Based on the certification of the nonconforming use that is currently operating on the property, the installation of another rock crusher in conjunction with this operation is permitted and does not alter the certified nonconforming use.

Note: The Maryland-National Capital Park and Planning Commission's (Commission) role is to review permit applications for compliance with zoning and subdivision regulations. The full text of the Ordinance (Subtitle 27) is at: https://www.municode.com/library/md/prince_george's_county/codes/code_of_ordinances

Information regarding use and occupancy permits, building permits and outstanding violations may be obtained by contacting the Prince George's County Department of Permitting, Inspections, and Enforcement (DPIE) at 301-636-2000.

This information was researched on 7/8/21 , by the undersigned, per request and as a public service. The undersigned certifies that the above information contained herein is accurate to the best of our knowledge, information, and belief, and is based upon or relates to the information supplied by the requestor. The Department assumes no liability for errors and omissions. All information was obtained from public records, which may be inspected during regular business hours.

Sincerely, Amber Krivitsky Planning Information Services

MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION APPLICATION FOR A PERMIT TO CONSTRUCT

SUPPLEMENT TO DOCKET #18-21

- COMPANY: Schuster Concrete Ready Mix, LLC
- LOCATION: 5501 Van Dusen Road, Laurel, MD 20707
- APPLICATION: One (1) concrete crusher powered by one (1) diesel engine rated at 188 hp

| <u>ITEM</u> | DESCRIPTION |
|-------------|--|
| 1 | Notice of Tentative Determination, Opportunity to Request a Public Hearing, and Opportunity to Submit Written Comments |
| 2 | Fact Sheet and Tentative Determination |
| 3 | Draft Permit to Construct and Conditions |
| 4 | Supplemental Information |
| 5 | Privilege Log - Not Applicable |
MARYLAND DEPARTMENT OF THE ENVIRONMENT AIR AND RADIATION ADMINISTRATION

NOTICE OF TENTATIVE DETERMINATION, OPPORTUNITY TO REQUEST A PUBLIC HEARING, AND OPPORTUNITY TO SUBMIT WRITTEN COMMENTS

FIRST NOTICE

The Department of the Environment, Air and Radiation Administration (ARA) has completed its review of an application for a Permit to Construct submitted by Schuster Concrete Ready Mix, LLC on July 8, 2021 for the installation of one (1) concrete crusher powered by one (1) diesel engine rated at 188 horse power. The proposed installation will be located at 5501 Van Dusen Road, Laurel, MD 20707.

Pursuant to Section 1-604, of the Environment Article, Annotated Code of Maryland, the Department has made a tentative determination that the Permit to Construct can be issued and is now ready to receive public comment on the application.

Copies of the Department's tentative determination, the application, the draft permit to construct with conditions, and other supporting documents are available for public inspection on the Department's website. Look for Docket #18-21 at the following link:

https://mde.maryland.gov/programs/Permits/AirManagementPermits/Pages/index.aspx

Interested persons may request a public hearing and/or submit written comments on the tentative determination. Requests for a public hearing must be submitted in writing and must be received by the Department no later than 20 days from the date of this notice. Written comments must be received by the Department no later than 30 days from the date of this notice.

Interested persons may request an extension to the public comment period. The extension request must be submitted in writing and must be received by the Department no later than 30 days from the date of this notice or within 5 days after the hearing (if a hearing is requested), whichever is later. The public comment period may only be extended one time for a 60-day period.

All requests for a public hearing, requests for an extension to the public comment period, and all written comments should be emailed to Ms. Shannon Heafey at shannon.heafey@maryland.gov.

Further information may be obtained by contacting Ms. Shannon Heafey by email at shannon.heafey@maryland.gov or by phone at (410) 537-4433.

George S. Aburn, Jr., Director Air and Radiation Administration

MARYLAND DEPARTMENT OF ENVIRONMENT AIR AND RADIATION ADMINISTRATION

FACT SHEET AND TENTATIVE DETERMINATION SCHUSTER CONCRETE READY MIX, LLC

PROPOSED INSTALLATION OF ONE (1) CONCRETE CRUSHER POWERED BY ONE (1) DIESEL ENGINE RATED AT 188 HP

I. INTRODUCTION

The Maryland Department of the Environment (the "Department") received an application from Schuster Concrete Ready Mix, LLC on July 8, 2021 for a Permit to Construct for one (1) concrete crusher powered by one (1) diesel engine rated at 188 hp. The proposed installation will be located at 5501 Van Dusen Road, Laurel, MD 20707.

A notice was placed in the Laurel Leader on September 9, 2021 and September 16, 2021 announcing an opportunity to request an informational meeting to discuss the application for a Permit to Construct. An informational meeting was not requested.

As required by law, all public notices were also provided to elected officials in all State, county, and municipality legislative districts located within a one mile radius of the facility's property boundary.

The Department has reviewed the application and has made a tentative determination that the proposed installation is expected to comply with all applicable air quality regulations. A notice will be published to provide the public with opportunities to request a public hearing and to comment on the application, the Department's tentative determination, the draft permit conditions, and other supporting documents. The Department will not schedule a public hearing unless a legitimate request is received.

If the Department does not receive any comments that are adverse to the tentative determination, the tentative determination will automatically become a final determination. If adverse comments are received, the Department will review the comments, and will then make a final determination with regard to issuance or denial of the permit. A notice of final determination will be published in a newspaper of general circulation in the affected area. The final determination may be subject to judicial review pursuant to Section 1-601 of the Environment Article, Annotated Code of Maryland.

II. CURRENT STATUS AND PROPOSED INSTALLATION

A. Current Status

Schuster Concrete Ready Mix, LLC currently operates a concrete batch plant at this

facility. They have no other equipment that requires air permits.

B. Proposed Installation

On July 8, 2021, Schuster Concrete Ready Mix, LLC submitted an application for the installation one (1) concrete crusher rated at 220 tph powered by one (1) Tier 4i diesel engine rated at 188 hp. The crusher will be used to process waste concrete from the concrete batch plant at the facility.

The facility will have wet suppression systems to control fugitive dust. The permit allows for subsequent replacement of the crushing equipment provided it meets the limits of the permit.

III. APPLICABLE REGULATIONS

The proposed installation is subject to all applicable Federal and State air quality control regulations, including, but not limited to the following:

- (a) 40 CFR 60, Subparts A and OOO, which establish New Source Performance Standards for Nonmetallic Mineral Processing Plants.
- (b) COMAR 26.11.02.19C & D, which require that the Permittee submit to the Department annual certifications of emissions, and that the Permittee maintain sufficient records to support the emissions information presented in the submittals.
- (c) COMAR 26.11.06.03C and D, which requires that the Permittee take reasonable precautions to prevent particulate matter from unconfined sources and materials handling and construction operations from becoming airborne.
- (d) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.
- (e) COMAR 26.11.06.12, which prohibits the construction, modification, or operation of an NSPS source in a manner which results or will result in a violation of the provisions of 40 CFR, Part 60.
- (f) COMAR 26.11.09.05A(2), which prohibits visible emissions other than uncombined water from fuel burning equipment.
- (g) COMAR 26.11.09.05E, which limits visible emissions from the internal combustion engines.
- (h) COMAR 26.11.09.07A(1), which limits the sulfur content of distillate fuel oils to not more than 0.3 percent by weight.

- COMAR 26.11.15.05, which requires that the Permittee implement "Best Available Control Technology for Toxics" (T – BACT) to control emissions of toxic air pollutants.
- (j) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions will unreasonably endanger human health.

IV. GENERAL AIR QUALITY

The U.S. Environmental Protection Agency (EPA) has established primary and secondary National Ambient Air Quality Standards (NAAQS) for six (6) criteria pollutants, i.e., sulfur dioxide, particulate matter, carbon monoxide, nitrogen dioxide, ozone, and lead. The primary standards were established to protect public health, and the secondary standards were developed to protect against non-health effects such as damage to property and vegetation.

The Department utilizes a statewide air monitoring network, operated in accordance with EPA guidelines, to measure the concentrations of criteria pollutants in Maryland's ambient air. The measurements are used to project statewide ambient air quality, and currently indicate that Prince George's County complies with the NAAQS for sulfur dioxide, particulate matter, carbon monoxide, nitrogen dioxide, and lead.

Ground level ozone continues to present a problem for the entire Washington metropolitan area, which is classified as a non-attainment area for ozone. The primary contributors to the formation of ozone are emissions of oxides of nitrogen, primarily from combustion equipment, and emissions of Volatile Organic Compounds (VOC) such as paint solvents and gasoline vapors. Prince George's County is included in the non-attainment area for ozone.

With regard to toxic air pollutants (TAPs), screening levels (i.e., acceptable ambient concentrations for toxic air pollutants) are generally established at 1/100 of allowed worker exposure levels (TLVs)¹. The Department has also developed additional screening levels for carcinogenic compounds. The additional screening levels are established such that continuous exposure to the subject TAP at the screening level for a period of 70 years is expected to cause an increase in lifetime cancer risk of no more than 1 in 100,000.

V. COMPLIANCE DEMONSTRATION AND ANALYSIS

¹ TLVs are threshold limit values (exposure limits) established for toxic materials by the American Conference of Governmental Industrial Hygienists (ACGIH). Some TLVs are established for short-term exposure (TLV – STEL), and some are established for longer-term exposure (TLV – TWA), where TWA is an acronym for time-weight average.

The proposed installation must comply with all State imposed emissions limitations and screening levels, as well as the NAAQS. The Department has conducted an engineering and air quality review of the application. The emissions were projected based on EPA AP-42 emission factors. The conservative U.S. EPA's SCREEN3 model was used to project the maximum ground level concentrations from the proposed facility, which were then compared to the screening levels and the NAAQS.

- **A. Estimated Emissions** The maximum emissions of air pollutants of concern from the proposed installation are listed in Table I.
- B. Compliance with National Ambient Air Quality Standards The maximum ground level concentrations for nitrogen dioxide, carbon monoxide, sulfur dioxide, and particulate matter based on the emissions from the proposed installation are listed in column 2 of Table II. The combined impact of the projected contribution from the proposed installation and the ambient background concentration for each pollutant shown in column 3 of Table II is less than the NAAQS for each pollutant shown in column 4.
- C. Compliance with Air Toxics Regulations The toxic air pollutant of concern that would be emitted from this installation is crystalline silica and is listed in column 1 of Table III. The predicted maximum off-site ambient concentration of this toxic air pollutant is shown in column 4 of Table III, and in each case the maximum concentration is less than the corresponding screening level for the toxic air pollutant shown in column 2.

VI. TENTATIVE DETERMINATION

Based on the above information, the Department has concluded that the proposed installation will comply with all applicable Federal and State air quality control requirements. In accordance with the Administrative Procedure Act, Department has made a tentative determination to issue the Permit to Construct.

Enclosed with the tentative determination is a copy of the draft Permit to Construct.

TABLE I PROJECTED MAXIMUM EMISSIONS FROM THE PROPOSED INSTALLATION

| | PROJECTED MAXIMUM EMISSIONS FROM PROPOSED INSTALLATION | | | |
|--|---|-------------|--|--|
| POLLUTANT | (lbs/day) | (tons/year) | | |
| Nitrogen Dioxide (NO ₂) | 0.99 | 0.12 | | |
| Sulfur Dioxide (SO ₂) | 3.1 | 0.39 | | |
| Carbon Monoxide (CO) | 8.6 | 1.1 | | |
| Volatile Organic Compounds (VOC) | 0.46 | 0.06 | | |
| Particulate Matter (PM ₁₀) | 0.99 | 0.12 | | |

TABLE II PROJECTED IMPACT OF EMISSIONS OF CRITERIA POLLUTANTS FROM THE PROPOSED INSTALLATION ON AMBIENT AIR QUALITY MAXIMUM OFF-SITE **GROUND LEVEL** NATIONAL CONCENTRATIONS AMBIENT AIR CAUSED BY BACKGROUND QUALITY EMISSIONS FROM AMBIENT AIR **STANDARDS PROPOSED PROCESS** CONCENTRATIONS (NAAQS) POLLUTANTS $(\mu g/m^{3})^{*}$ (µg/m³) $(\mu g/m^3)$ Nitrogen Dioxide (NO₂) annual avg. \rightarrow 1.0 annual avg. \rightarrow 27.0 annual avg. \rightarrow 100 8-hour max \rightarrow 78 8-hr max. \rightarrow 800 8-hr max.→ 10,000 Carbon Monoxide (CO) 1-hour max \rightarrow 111 1-hr max. \rightarrow 1030 1-hr max.→ 40,000 24-hour max. \rightarrow 16 24-hour max. $\rightarrow 0.8$ 24-hour max. \rightarrow 366 Sulfur Dioxide (SO₂) annual avg. \rightarrow 3.2 annual avg. $\rightarrow 0.2$ annual avg. \rightarrow 78.5 Particulate Matter 24-hr max \rightarrow 22 24-hr max. \rightarrow 21 24-hr max. \rightarrow 150 (PM₁₀)

*Background concentrations were obtained from Maryland air monitoring stations as follows:

 PM_{10} , CO and $SO_2 \rightarrow HU$ -Beltsville Monitoring Station in Prince George's County $NO_2 \rightarrow$ Interstate 95 South Welcome Center in Howard County

TABLE III PREDICTED MAXIMUM OFF-SITE AMBIENT CONCENTRATIONS FOR TOXIC AIR POLLUTANTS EMITTED FROM THE PROPOSED INSTALLATION

| TOXIC AIR POLLUTANTS | SCREENING LEVELS (μg/m³) | PROJECTED WORST-CASE FACILITY-WIDE EMISSIONS (lbs/hr) | PREDICTED MAXIMUM OFF-SITE GROUND LEVEL CONCENTRATIONS (µg/m ³) |
|-------------------------|--|---|---|
| Crystalline Silica | 1-hour→ None 8-hour→ 0.25 Annual→ None | 0.0004 | 1-hour→ None 8-hour→ 0.11 Annual→ None |

The values represent maximum facility-wide emissions of toxic air pollutants during any 1-hour period of facility operation.

The values are based on worst-case emissions from the proposed facility and were predicted by EPA's SCREEN3 model, which provides conservative estimations concerning the impact of pollutants on ambient air quality.

DRAFT PERMIT

Larry Hogan

Ben Grumbles

Air and Radiation Administration

1800 Washington Boulevard, Suite 720

Baltimore, MD 21230

🛛 Construction Permit

Operating Permit

PERMIT NO.: 033-2083

DATE ISSUED: [TBD]

PERMIT FEE: <u>To Be Paid in Accordance With</u> <u>COMAR 26.11.02.19B</u> EXPIRATION DATE: In accordance with COMAR 26.11.02.04B

LEGAL OWNER & ADDRESS

Schuster Concrete Ready Mix, LLC 3713 Crondall Lane Owings Mills, MD 21117 Attention: Ms. Sherri Palmer, Environmental Adminstrator

SITE

Schuster Concrete Ready Mix, LLC 5501 Van Dusen Rd Laurel, MD 20707 AI #9695

SOURCE DESCRIPTION

This permit authorizes the installation of one (1) concrete crusher rated at 220 tph and powered by one (1) Tier 4i diesel engine rated at 188 hp.

This permit serves as a temporary permit to operate for a period of 180 days after startup of the concrete crusher.

This source is subject to the conditions described on the attached pages.

Page 1 of 12

Program Manager

Director, Air and Radiation Administration

<u>INDEX</u>

- Part A General Provisions
- Part B Applicable Regulations
- Part C Construction Conditions
- Part D Operating Conditions
- Part E Notifications, Testing and Monitoring
- Part F Record Keeping and Reporting
- Part G Temporary Permit-To-Operate Conditions

Part A – General Provisions

- (1) The following Air and Radiation Administration (ARA) permit-to-construct applications and supplemental information are incorporated into this permit by reference:
 - (a) Application for Processing or Manufacturing Equipment (Form 5) received at Department on July 8, 2021 for the installation one (1) concrete crusher rated at 220 tph powered by one (1) Tier 4i diesel engine rated at 188 hp.
 - (b) Supplemental Information: Vendor specifications, Safety Data Sheets, Engine Emissions Data, Zoning Approval received July 8, 2021.

If there are any conflicts between representations in this permit and representations in the applications, the representations in the permit shall govern. Estimates of dimensions, volumes, emissions rates, operating rates, feed rates and hours of operation included in the applications do not constitute enforceable numeric limits beyond the extent necessary for compliance with applicable requirements.

- (2) Upon presentation of credentials, representatives of the Maryland Department of the Environment ("MDE" or the "Department") and the Prince George's County Health Department shall at any reasonable time be granted, without delay and without prior notification, access to the Permittee's property and permitted to:
 - (a) inspect any construction authorized by this permit;
 - (b) sample, as necessary to determine compliance with requirements of this permit, any materials stored or processed on-site, any waste materials, and any discharge into the environment;

- (c) inspect any monitoring equipment required by this permit;
- (d) review and copy any records, including all documents required to be maintained by this permit, relevant to a determination of compliance with requirements of this permit; and
- (e) obtain any photographic documentation or evidence necessary to determine compliance with the requirements of this permit.
- (3) The Permittee shall notify the Department prior to increasing quantities and/or changing the types of any materials referenced in the application or limited by this permit. If the Department determines that such increases or changes constitute a modification, the Permittee shall obtain a permit-to-construct prior to implementing the modification.
- (4) Nothing in this permit authorizes the violation of any rule or regulation or the creation of a nuisance or air pollution.
- (5) If any provision of this permit is declared by proper authority to be invalid, the remaining provisions of the permit shall remain in effect.
- (6) Subsequent to issuance of this permit, the Department may impose additional and modified requirements that are incorporated into a State permit-to-operate issued pursuant to COMAR 26.11.02.13.

Part B – Applicable Regulations

(1) This source is subject to all applicable federal air pollution control requirements including, but not limited to, the following:

All applicable terms, provisions, emissions standards, testing, monitoring, record keeping, and reporting requirements included in federal New Source Performance Standards (NSPS) promulgated under 40 CFR 60, Subparts A and OOO for Nonmetallic Mineral Processing plants.

All notifications required under 40 CFR 60, Subparts A and OOO shall be submitted to both of the following:

The Administrator Compliance Program Maryland Department of the Environment Air and Radiation Administration 1800 Washington Boulevard, STE 715

Baltimore MD 21230

and

Director, Air Protection Division U.S. EPA – Region 3 Mail Code 3AP00 1650 Arch Street Philadelphia, PA 19103-2029

- (2) This source is subject to all applicable federally enforceable State air pollution control requirements including, but not limited to, the following regulations:
 - (a) COMAR 26.11.01.07C, which requires that the Permittee report to the Department occurrences of excess emissions.
 - (b) COMAR 26.11.02.04B, which states that a permit to construct or an approval expires if, as determined by the Department:
 - (i) Substantial construction or modification is not commenced within 18 months after the date of issuance of the permit or approval, unless the Department specifies a longer period in the permit or approval;
 - (ii) Construction or modification is substantially discontinued for a period of 18 months after the construction or modification has commenced; or
 - (iii) The source for which the permit or approval was issued is not completed within a reasonable period after the date of issuance of the permit or approval.
 - (c) COMAR 26.11.02.09A, which requires that the Permittee obtain a permit-to-construct if an installation is to be modified in a manner that would cause changes in the quantity, nature, or characteristics of emissions from the installation as referenced in this permit.
 - (d) COMAR 26.11.06.03C and D, which requires that the Permittee take reasonable precautions to prevent particulate matter from unconfined sources and materials handling and construction operations from becoming airborne.

- (e) COMAR 26.11.06.12, which prohibits the construction, modification, or operation of an NSPS source in a manner which results or will result in a violation of the provisions of 40 CFR, Part 60.
- (f) COMAR 26.11.09.05A(2), which prohibits visible emissions other than uncombined water from fuel burning equipment.

Exceptions. The visible emissions standard in COMAR 26.11.09.05A(2) does not apply to emissions during load changing, soot blowing, start-up, or adjustments, or occasional cleaning of control equipment, if: (i) the visible emissions are not greater than 40 percent opacity; and (ii) the visible emissions do not occur for more than 6 consecutive minutes in any 60 minute period.

- (g) COMAR 26.11.09.05E, which limits visible emissions from the internal combustion engines.
 - (i) Visible Emissions During Idle Mode A person may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity in accordance with COMAR 26.11.09.05E(2).
 - (ii) Visible Emissions During Operating Mode A person may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity in accordance with COMAR 26.11.09.05E(3).
 - (iii) Exceptions:
 - i. COMAR 26.11.09.05E(2) does not apply for a period of two (2) consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.
 - ii. COMAR 26.11.09.05E(2) does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:
 - (i) Engines that are idled continuously when not in service: 30 minutes;
 - (ii) All other engines: 15 minutes.

- iii. COMAR 26.11.09.05E(2) and (3) do not apply while maintenance, repair, or testing is being performed by qualified mechanics.
- (h) COMAR 26.11.09.07A(1), which limits the sulfur content of distillate fuel oils to not more than 0.3 percent by weight.
- (3) This source is subject to all applicable State-only enforceable air pollution control requirements including, but not limited to, the following regulations:
 - (a) COMAR 26.11.02.13A(16), which requires that the Permittee obtain from the Department, and maintain and renew as required, a valid State permit-to-operate.
 - (b) COMAR 26.11.02.14D, which requires that the Permittee submit to the Department not later than 60 days prior to initiating operation of the installation for which this permit is issued a completed application for a State permit-to-operate.
 - (c) COMAR 26.11.02.19C & D, which require that the Permittee submit to the Department annual certifications of emissions, and that the Permittee maintain sufficient records to support the emissions information presented in such submittals.
 - (d) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.
 - (e) COMAR 26.11.15.05, which requires that the Permittee implement "Best Available Control Technology for Toxics" (T – BACT) to control emissions of toxic air pollutants.
 - (f) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions would unreasonably endanger human health.

Part C – Construction Conditions

(1) Except as otherwise provided in this part, the one (1) concrete crusher rated at 220 tph powered by one (1) Tier 4i diesel engine rated at 188 hp shall be constructed in accordance with specifications included in the incorporated applications.

- (2) This permit authorizes the installation of a concrete crusher rated at 220 tph powered by one (1) Tier 4i diesel engine rated at 188 hp and the installation of subsequent, equivalent replacement equipment, as needed.
- (3) The one (1) concrete crusher shall be equipped with wet suppression systems to control fugitive dust as needed.
- (4) The one (1) diesel engine shall be certified as Tier 4i.

Part D – Operating Conditions

- (1) Except as otherwise provided in this part, the one (1) concrete crusher rated at 220 tph powered by one (1) Tier 4i diesel engine rated at 188 hp shall be operated in accordance with specifications included in the application and any operating procedures recommended by equipment vendors unless the Permittee obtains from the Department written authorization for alternative operating procedures.
- (2) The Permittee shall process only waste concrete generated on-site in the concrete crusher unless the Permittee obtains an approval from the Department to process other materials.
- (3) Wet suppression systems shall be used for the one (1) concrete crusher whenever needed to comply with the fugitive particulate matter handling requirements of COMAR 26.11.06.03C and COMAR 26.11.06.03D and the following opacity limits for affected facilities at nonmetallic mineral processing plants constructed, modified, or reconstructed on or after April 22, 2008 as specified in 40 CFR 60, Subpart OOO:
 - (a) No more than 12 percent opacity from the crusher; and

(b) No more than 7 percent opacity from all other fugitive sources. [Reference: 40 CFR §60.672(b) and Table 3 to 40 CFR 60, Subpart OOO]

- (4) The Permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in all wet suppression systems. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. [Reference: 40 CFR §60.674(b)]
- (5) The engine shall only be fired with diesel fuel that has a sulfur content of less 0.3 percent by weight.

- (6) The engine shall be a nonroad engine, as defined in 40 CFR §1068.30, unless the Permittee complies with the stationary engine requirements of 40 CFR 60, Subpart IIII and 40 CFR 63, Subpart ZZZZ, as applicable, for the engine.
- (7) Only one (1) concrete crusher may be operated on the premises at any time.

Part E – Notifications, Testing and Monitoring

- (1) The Permittee shall submit written or electronic notification to the Department of the initial startup date of the concrete crusher and the initial startup date of each subsequent, equivalent replacement equipment within 15 days after such date. [Reference: 40 CFR §60.7(a)(3) and §60.676(i)]
- (2) For the initial concrete crusher and each subsequent, equivalent replacement equipment (if required), the Permittee shall demonstrate compliance with all applicable opacity standards within the applicable timeframes in accordance with 40 CFR 60, Subpart OOO. Except for the seasonal shutdown provision under 40 CFR §60.675(i), under no circumstance shall the demonstration for compliance with opacity standards occur later than 180 days after initial startup of the portable crushing and screening plant. [Reference: 40 CFR §60.11(b) and §60.672(b)]
- (3) The Permittee shall use Method 9 of Appendix A-4 to 40 CFR, Part 60 and the procedures in 40 CFR §60.11, with the following additions:
 - The minimum distance between the observer and the emission (a) source shall be 4.57 meters (15 feet).
 - The observer shall, when possible, select a position that minimizes (b) interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.
 - (c) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

[Reference: 40 CFR §60.675(c)(1)]

- (4) The duration of the Method 9 (40 CFR, Part 60, Appendix A–4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable opacity standards must be based on the average of the five 6-minute averages. [Reference: 40 CFR §60.675(c)(3)]
- (5) The Permittee shall submit notification of the intended date of the required Method 9 observations to the Department at least 7 days prior to that date unless an alternate date is mutually agreed with the Department. [Reference: 40 CFR §60.675(g)]
- (6) Within 45 days following the required Method 9 observations, the Permittee shall submit the results to the Department.
- (7) The Permittee may use the results of the Method 9 opacity observations for the portable crushing and screening plant conducted at one site to satisfy the compliance demonstration required at each additional site where the equipment will be located.

Part F – Record Keeping and Reporting

- (1) The Permittee shall maintain for at least five (5) years, and shall make available to the Department upon request, records of the following information:
 - (a) The amount of material processed and total hours of operation each month in the concrete crusher;
 - (b) A log, kept onsite, of each periodic inspection of the wet suppression systems associated with the crushing and screening plant including the dates and any corrective actions taken [Reference: 40 CFR §60.674(b) and §60.676(b)(1)];
 - (c) Copies of all notifications of initial start-up of the concrete crusher and each subsequent, equivalent replacement equipment;
 - (d) Copies of all required opacity observation test results for the initial concrete crusher and each subsequent, equivalent replacement equipment; and
 - (e) Sufficient equipment information or vendor literature for all initial equipment associated with the concrete crusher and each subsequent, equivalent replacement equipment to substantiate equivalency and emissions.

- (2) The Permittee shall maintain at the facility for at least five (5) years, and shall make available to the Department upon request, records necessary to support annual certifications of emissions and demonstrations of compliance for toxic air pollutants. Such records shall include, if applicable, the following:
 - mass emissions rates for each regulated pollutant, and the total mass emissions rate for all regulated pollutants for each registered source of emissions;
 - (b) accounts of the methods and assumptions used to quantify emissions;
 - (c) all operating data, including operating schedules and production data, that were used in determinations of emissions;
 - (d) amounts, types, and analyses of all fuels used;
 - (e) any records, the maintenance of which is required by this permit or by State or federal regulations, that pertain to the operation and maintenance of continuous emissions monitors, including:
 - (i) all emissions data generated by such monitors;
 - (ii) all monitor calibration data;
 - (iii) information regarding the percentage of time each monitor was available for service; and
 - (iv) information concerning any equipment malfunctions.
 - (f) information concerning operation, maintenance, and performance of air pollution control equipment and compliance monitoring equipment, including:
 - (i) identifications and descriptions of all such equipment;
 - (ii) operating schedules for each item of such equipment;
 - (iii) accounts of any significant maintenance performed;
 - (iv) accounts of all malfunctions and outages; and
 - (v) accounts of any episodes of reduced efficiency.

- (g) limitations on source operation or any work practice standards that significantly affect emissions; and
- (h) other relevant information as required by the Department.
- (3) The Permittee shall submit to the Department by April 1 of each year a certification of emissions for the previous calendar year. The certifications shall be prepared in accordance with requirements, as applicable, adopted under COMAR 26.11.01.05 1 and COMAR 26.11.02.19D.
 - (a) Certifications of emissions shall be submitted on forms obtained from the Department.
 - (b) A certification of emissions shall include mass emissions rates for each regulated pollutant, and the total mass emissions rate for all regulated pollutants for each of the facility's registered sources of emissions.
 - (c) The person responsible for a certification of emissions shall certify the submittal to the Department in the following manner:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

- (4) The Permittee shall submit to the Department by April 1 of each year a written certification of the results of an analysis of emissions of toxic air pollutants from the Permittee's facility during the previous calendar year. Such analysis shall include either:
 - (a) a statement that previously submitted compliance demonstrations for emissions of toxic air pollutants remain valid; or
 - (b) a revised compliance demonstration, developed in accordance with requirements included under COMAR 26.11.15 & 16, that accounts for changes in operations, analytical methods, emissions

determinations, or other factors that have invalidated previous demonstrations.

(5) The Permittee shall report, in accordance with requirements under COMAR 26.11.01.07, occurrences of excess emissions to the Compliance Program of the Air and Radiation Administration.

Part G – Temporary Permit-to-Operate Conditions

- (1) This permit-to-construct shall also serve as a temporary permit-to-operate that confers upon the Permittee authorization to operate the concrete crusher for a period of up to 180 days after initiating operation of the concrete crusher.
- (2) The Permittee shall provide the Department with written or electronic notification of the date on which operation of the concrete crusher is initiated. Such notification shall be provided within 15 business days of the date to be reported.
- (3) During the effective period of the temporary permit-to-operate the Permittee shall operate the new installation as required by the applicable terms and conditions of this permit-to-construct, and in accordance with operating procedures and recommendations provided by equipment vendors.
- (4) The Permittee shall submit to the Department an application for a State permitto-operate no later than 60 days prior to expiration of the effective period of the temporary permit-to-operate.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION

SUPPLEMENTAL INFORMATION REFERENCES

The Code of Maryland Regulations (COMAR) is searchable by COMAR citation at the following Division of State Documents website: http://www.dsd.state.md.us/COMAR/ComarHome.html

The Code of Federal Regulations (CFR), including New Source Performance Standards (NSPS) at 40 CFR, Part 60 and National Emission Standards for Hazardous Air Pollutants (NESHAP) at 40 CFR, Parts 61 and 63, is searchable by CFR citation at the following U.S. Government Publishing Office website: http://www.ecfr.gov

Information on National Ambient Air Quality Standards (NAAQS) is located at the

following U.S. Environmental Protection Agency (EPA) website: https://www.epa.gov/criteria-air-pollutants/naags-table

Information on Maryland's Ambient Air Monitoring Program is located at the following Maryland Department of the Environment website: http://mde.maryland.gov/programs/Air/AirOualityMonitoring/Pages/index.aspx

Information on the U.S. EPA's Screen3 computer model and other EPA-approved air dispersion models is located at the following U.S. EPA website: <u>http://www.epa.gov/scram001/dispersion_screening.htm</u>

Information on the U.S. EPA TANKS Emission Estimation Software is located at the following U.S. EPA website:

http://www.epa.gov/ttn/chief/software/tanks/index.html

Information on the U.S. EPA Emission Factors and AP-42 is located at the following U.S. EPA website:

https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-airemission-factors

MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION APPLICATION FOR A PERMIT TO CONSTRUCT

SUPPLEMENT 2 TO DOCKET #18-21

- COMPANY: Schuster Concrete Ready Mix, LLC
- LOCATION: 5501 Van Dusen Road, Laurel, MD 20707
- APPLICATION: One (1) concrete crusher powered by one (1) diesel engine rated at 188 hp

ITEM DESCRIPTION

1 Notice of Public Hearing

DEPARTMENT OF THE ENVIRONMENT AIR AND RADIATION ADMINISTRATION

NOTICE OF TENTATIVE DETERMINATION, PUBLIC HEARING, AND OPPORTUNITY TO SUBMIT WRITTEN COMMENTS

FIRST NOTICE

The Department of the Environment, Air and Radiation Administration (ARA) has completed its review of an application for a Permit to Construct submitted by Schuster Concrete Ready Mix, LLC on July 8, 2021 for the installation of one (1) concrete crusher powered by one (1) diesel engine rated at 188 horse power. The proposed installation will be located at 5501 Van Dusen Road, Laurel, MD 20707.

The issuance of the Permit-to-Construct for this facility will be the subject of a Public Hearing to be held on April 11, 2022 at the Laurel-Beltsville Senior Activity Center, 7120 Contee Road, Laurel, MD 20707 at 6 p.m.

Pursuant to Section 1-604, of the Environment Article, Annotated Code of Maryland, the Department has made a tentative determination that the Permit-to-Construct can be issued. A final determination on issuance of the permit will only be made after review of all pertinent information presented at the public hearing or received in written comments. Copies of the Department's tentative determination, the application, the draft permit to construct with conditions, and other supporting documents are available for public inspection on the Department's website. Look for Docket #18-21 at the following link:

https://mde.maryland.gov/programs/Permits/AirManagementPermits/Pages/index.aspx

Persons who wish to make a statement concerning this application at the hearing are requested to provide the Department with a copy of their statement. In lieu of oral statements at the hearing, written comments may be submitted at the time of the hearing or to the Department no later than 30 days from the date of this notice or within 5 days after the hearing, whichever is later.

Interested persons may request an extension to the public comment period. The extension request must be submitted in writing and must be received by the Department no later than 30 days from the date of this notice or within 5 days after the hearing, whichever is later. The public comment period may only be extended one time for a 60-day period.

All requests for an extension to the public comment period and all written comments should be directed to the attention of Ms. Shannon Heafey, Air Quality Permits Program, Air and Radiation Administration, 1800 Washington Boulevard, Baltimore, Maryland 21230.

The Department will provide an interpreter for deaf and hearing impaired persons provided that a request is made for such service at least ten (10) days prior to the hearing.

Further information may be obtained by calling Ms. Shannon Heafey at 410-537-4433.

George S. Aburn, Jr., Director Air and Radiation Administration

MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION APPLICATION FOR A PERMIT TO CONSTRUCT

SUPPLEMENT 2 TO DOCKET #18-21

- COMPANY: Schuster Concrete Ready Mix, LLC
- LOCATION: 5501 Van Dusen Road, Laurel, MD 20707
- APPLICATION: Installation one (1) concrete crusher rated at 220 tph powered by one (1) Tier 4i diesel engine rated at 188 hp

| ITEM | DESCRIPTION |
|------|---|
| 1 | Notice of Final Determination |
| 2 | Final Determination and Responses to Comments |
| 3 | Copy of Public Hearing Transcript |
| 4 | Final Permit to Construct and Conditions |

MARYLAND DEPARTMENT OF THE ENVIRONMENT AIR AND RADIATION ADMINISTRATION NOTICE OF FINAL DETERMINATION REGARDING A PERMIT TO CONSTRUCT TO INSTALL ONE (1) CONCRETE CRUSHER RATED AT 220 TPH POWERED BY ONE (1) TIER 4i DIESEL ENGINE RATED AT 188 HP

SUBMITTED BY SCHUSTER CONCRETE READY MIX, LLC TO BE LOCATED IN LAUREL, MARYLAND

FIRST NOTICE

The Department of the Environment, Air and Radiation Administration (ARA), has made a final determination to issue a Permit to Construct to Schuster Concrete Ready Mix, LLC. The proposed project will be located at 5501 Van Dusen Road, Laurel, MD 20707 in Prince George's County. Copies of the application, the final determination, the permit conditions and emissions limitations, the Department's responses to public comments, and other supporting documents are available for public inspection on the Department's website. Look for Docket #18-21 at the following link:

https://mde.maryland.gov/programs/Permits/AirManagementPermits/Pages/index.aspx

ARA is issuing the permit, including the conditions and emissions limitations presented in the docket, with an effective date of September 15, 2023.

Pursuant to Section 1-601 of the Environment Article, Annotated Code of Maryland, a final determination by the Department is subject to judicial review at the request of any person that: (1) Meets the threshold standing requirements under federal law; and (2)(i) Is the applicant; or (ii) Participated in a public participation process through the submission of written or oral comments.

Any petition for judicial review must be filed pursuant to Section 1-605 of the Environment Article, Annotated Code of Maryland. The petition shall be filed by October 23, 2023 in the circuit court for the county where the application for the permit states that the proposed activity will occur and otherwise conform to the requirements of Title 1, Subtitle 6 of the Environment Article, Annotated Code of Maryland. Further information may be obtained by calling Ms. Shannon Heafey at 410-537-4433.

Christopher R. Hoagland, Director Air and Radiation Administration

MARYLAND DEPARTMENT OF THE ENVIRONMENT AIR AND RADIATION ADMINISTRATION

FINAL DETERMINATION CONCERNING A PERMIT-TO-CONSTRUCT APPLICATION SUBMITTED BY SCHUSTER CONCRETE READY MIX, LLC FOR THE INSTALLATION ONE (1) CONCRETE CRUSHER RATED AT 220 TPH POWERED BY ONE (1) TIER 4i DIESEL ENGINE RATED AT 188 HP

I. INTRODUCTION

The Maryland Department of the Environment (the "Department") received an application from Schuster Concrete Ready Mix, LLC on July 8, 2021 for a Permit to Construct for the installation one (1) concrete crusher rated at 220 tph powered by one (1) Tier 4i diesel engine rated at 188 hp. The installation will be located at 5501 Van Dusen Road, Laurel, MD 20707.

A notice was placed in the Laurel Leader on September 9, 2021 and September 16, 2021 announcing an opportunity to request an informational meeting to discuss the application for a Permit to Construct. An informational meeting was not requested.

After reviewing the application and other pertinent information, the Department made a tentative determination to issue a permit-to-construct that would authorize construction of the installation as proposed in the Company's applications. A draft permit with draft conditions was made available for public review at Department headquarters located at 1800 Washington Boulevard in Baltimore, Maryland 21230 as well as online on the Department website. A Notice of the Tentative Determination, Public Hearing, and Opportunity to Submit Written Comments was published in the Laurel Leader on March 24, 2022 and again on March 31, 2022.

On April 11, 2022, a public hearing was held at Laurel-Beltsville Senior Activity Center, 7120 Contee Road, Laurel, MD 20707 to provide interested parties an opportunity to comment on the Department's tentative determination and draft permit conditions, and/or to present other pertinent concerns about the proposed installation.

II. COMMENTS RECEIVED AND THE DEPARTMENT'S RESPONSE

The public comment period on the application expired on April 25, 2022.

The comments received at the public hearing, and those submitted in writing during the public comment period, expressed concerns about the impact of the proposed new installation on the surrounding community. The Department's responses to the comments are attached.

MARYLAND DEPARTMENT OF THE ENVIRONMENT RESPONSE TO COMMENTS FOR SCHUSTER CONCRETE READY MIX, LLC 5501 VAN DUSEN ROAD LAUREL, MD 20707

Hearing Date:

April 11, 2022 Laurel-Beltsville Senior Activity Center 7120 Contee Road Laurel, MD 20707

Purpose of the Hearing:

The purpose of the public hearing was to receive comment on the Maryland Department of the Environment's Tentative Determination for an air quality permit to construct for the installation of a one (1) concrete crusher powered a diesel engine rated at 188 horsepower to be located at 5501 Van Dusen Road in Laurel, Maryland.

Tentative Determination:

The Department's Tentative Determination for the air quality related permit to construct concluded that the emissions from the proposed project would meet all applicable regulatory requirements and the air quality permit to construct should, therefore, be issued.

Attendance:

Approximately 4 members of the general public attended the hearing, one representing the West Laurel Civic Association. The meeting was also attended by Councilmember Dernoga. Ms. Shannon Heafey of the Air and Radiation Administration (ARA) of MDE presided as Hearing Officer. Mr. Matt Hafner presented ARA's hearing statement. Schuster Concrete Ready Mix, LLC was represented by Mr. Jay Harmon.

Comment Period:

The comment period was open from the public hearing on April 11, 2022 through April 25, 2022. Comments were received from the public both at the hearing and in writing during the comment period.

- 1. April 11, 2022 public hearing transcript
- 2. April 14, 2022 letter of amended testimony from Melissa G. Daston, representing the West Laurel Civic Association.

<u>Index</u>

Issues Related to Air Quality

- 1. Effects on Local Air Quality
- 2. Dust and Particulate Matter
- 3. Enforcement/Compliance

Other Issues

- 1. Truck Traffic
- 2. Noise and Hours of Operation
- 3. Water Pollution Concerns

Issues Related to Air Quality

1. Air Emissions Analysis

Comments

"the addition of a cement crusher will raise emissions from existing levels in the Beltsville-Laurel area"

"The unknown impact of the air quality to the residents living in communities in proximity (West Laurel, Bentley Park, Cross Creek) and residents using the facilities at Fairland Athletic Complex is of great concern to all, especially those with pre-existing medical conditions that would be negatively impacted by any degradation of the air quality."

"the Beltsville monitor records some of the highest pollution levels in the region."

"While the application estimated relatively low level of increased emissions, the numbers did not match the equipment company data included in their application."

<u>Response</u>

The Department's regulatory focus in evaluating an application for a permit for the construction of an air pollution source is limited to air quality impacts associated with the equipment presented in the application. As part of its evaluation of the application, the Department reviews technical information contained in both the application and Department's files and in published reference materials.

For criteria pollutants, the Department reviews modeling information and determines the maximum ambient pollutant concentration the equipment is expected to generate. For this analysis, the potential emissions were calculated using the maximum operating rate of the equipment, which is higher than the

expected rate submitted in the application. This maximum concentration is then added to the background (monitored) concentration to determine an overall estimated impact. If the overall impact is estimated to be below the federal ambient air quality standard, the determination is that the equipment will not adversely impact air quality.

There are 24 monitoring stations in Maryland that the Department uses to measure background concentrations of regulated criteria air pollutants. To represent the most conservative analysis, the Department used the data from the monitoring stations with the highest background concentration for each air criteria pollutant. For particulate matter-10, carbon monoxide, and sulfur dioxide, the Beltsville measurements were used and for nitrogen dioxide, the Laurel measurements were used. Using this approach, the Department was able to confirm that the expected impact from the proposed equipment would not adversely impact air quality.

2. Dust and Particulate Matter

<u>Comments</u>

"The application does not address the impact of adding a concrete crusher to ...increased air particulate on Indian Creek."

<u>Response</u>

Schuster Concrete Ready Mix, LLC is required to take reasonable precautions to prevent particulate matter (dust) from the crushing operations from becoming airborne, which would prevent particulate settlement on Indian Creek. The Air Quality Permit to Construct includes requirements for both initial and continuous compliance for dust suppression as follows:

- A. Within 60 days after achieving the maximum production rate at which the proposed plant will operate, but not later than 180 days of initial startup of the proposed plant, Schuster Concrete Ready Mix, LLC must conduct opacity observation tests to demonstrate initial compliance with all applicable opacity and fugitive particulate matter requirements. The tests must be conducted in accordance with U.S. EPA established test methods. Schuster Concrete Ready Mix, LLC must notify the Department of the intended test dates so that an inspector from the Department's Air Quality Compliance Program can observe the tests, and all test results must be submitted to the Department for review and approval.
- B. To demonstrate continuous compliance, Schuster Concrete Ready Mix, LLC must use wet suppression systems, as needed, to comply with all applicable fugitive opacity and particulate matter emissions standards. The wet suppression systems must be inspected monthly by the company to ensure that water is flowing to the discharge spray nozzles. If water is not flowing

properly during an inspection, Schuster Concrete Ready Mix, LLC must initiate corrective actions within 24 hours and complete these actions as expediently as practical. Schuster Concrete Ready Mix, LLC must maintain a log of the inspections and any corrective actions taken, and the log must be made available to the Department upon request.

3. Enforcement/Compliance

Comments

"What is the State's policy on monitoring, fining, and closing down operations if [air pollution] reaches a certain level?"

Response

The Department possesses the necessary legal tools to require the Schuster Concrete Ready Mix, LLC to operate in compliance with applicable environmental laws and regulations. The Air Quality Permit to Construct contains provisions that Schuster Concrete Ready Mix, LLC must follow in order demonstrate initial and continuous compliance with all applicable air quality regulations.

Although air quality permits contain conditions requiring companies to conduct monitoring, reporting and record keeping, these are not the only methods by which the Department determines compliance. The Department also conducts announced and unannounced inspections to ensure that a company is operating in compliance with air pollution control requirements. If violations occur, appropriate action is taken to bring the facility back into compliance. The type of action taken is a function of the severity and type of violation and several other factors, such as the willfulness of the violation and the degree of harm to public health or the environment, Enforcement actions can range from the issuance of a notice of violation (NOV) to the imposition of civil and criminal penalties.

During operation of the facility, if anyone observes a situation that leads them to believe the facility is not operating in compliance with its air quality permit a call should be made to The Department's air pollution complaint line at (410) 537-3215.

4. Permit Conditions

"Will there be any term put on the license, in terms of years of which the permit runs for, before it has to be renewed."

Once the Permit to Construct is issued, the applicant has 18 months to begun construction or the permit will expire. Once the facility is constructed, the applicant must submit notification of start-up and conduct an opacity observation with 180 days. In addition, the applicant must submit an application for a Permit to Operate. This Permit to Operate must be renewed every 5 years. With a

Permit to Operate, the applicant pays an annual fee based on emissions from the facility. As long as the facility remains in compliance with the permit conditions, there is no limit on how many times the permit can be renewed. Any additional crushing and screening equipment brought onto the site would require a new Permit to Construct.

Other Issues

1. Truck Traffic

<u>Comments</u>

There were numerous comments received regarding truck traffic on Van Dusen and Old Gunpowder Roads.

<u>Response</u>

The Department, when reviewing an application for an Air Quality Permit to Construct cannot take issues such as truck traffic volume, truck routes, and traffic lights into consideration, and the Department does not have the authority to direct a permit applicant or a state or local agency to address such matters. The Department's permit application review is based strictly on a project's air quality impact. The State Highway Administration and the Prince George's County Department of Public Works and Transportation can best address traffic related issues. In addition, the Department cannot dictate which routes trucks can take coming to and going from the plant.

2. Noise and Hours of Operation

<u>Comments</u>

There were numerous comments received regarding noise, including comments related to noise from trucks, equipment, and during nighttime hours.

<u>Response</u>

As of October 2012, MDE no longer enforces noise regulations. During the 2012 legislative session, House Bill 190 effectively transferred noise enforcement authority to local governments. In Prince George's County, noise complaints should be referred to the non-emergency dispatch number at (301) 352-1200.

The Department includes operating hour restrictions only when compliance with applicable air quality regulations cannot be achieved without those restrictions. The Department does not have the authority to require or enforce any other operating hour restrictions such as operating during daytime hours only or operating on weekdays only. These types of restrictions are under the purview of the Prince George's County Planning Department. The facility states they would not operate the crushing and screening equipment at night. Their general hours of operation are 7am to 4pm.

3. Water Pollution Concerns

<u>Comments</u>

"The application does not address the impact of adding a concrete crusher to the amount of runoff from the facility"

<u>Response</u>

The Schuster Concrete Ready Mix, LLC site has a current General Discharge Permit 15MP9755 issued by the Maryland Department of the Environment covering operations at the site. The purpose of the General Discharge Permit is to ensure that all waters leaving the site meet or exceed the state standards to protect the waters of the state. For issues concerning water pollution, please contact the enforcement division of Water and Science Administration at 410-537-3510.

In the Matter of:

Maryland Department of the Environment

April 11, 2022 Public Hearing

Condensed Transcript with Word Index



For The Record, Inc. (301) 870-8025 - www.ftrinc.net - (800) 921-5555

Public Hearing Maryland Department of the Environment

4/11/2022

| | 1 | | 3 |
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| 1 | MARYLAND DEPARTMENT OF THE ENVIRONMENT | 1 | PROCEEDINGS |
| 2 | | 2 | |
| 3 | | 3 | MS. HEAFEY: Okay. This Public Hearing is for |
| 4 | PUBLIC HEARING | 4 | an Air Quality Permit Application submitted by Schuster |
| 5 | ON | 5 | Concrete Ready Mix, for the installation of one concrete |
| 6 | AIR QUALITY PERMIT APPLICATION | 6 | crusher powered by one diesel engine, rated at 188 |
| 7 | SCHUSTER CONCRETE READY MIX, LLC | 7 | horsepower. The installation would be located at 5501 |
| 8 | 5501 VAN DUSEN ROAD, LAUREL, MARYLAND | 8 | Van Dusen Road, in Laurel. |
| 9 | | 9 | And I've introduced Mr. Hafner here. And the |
| 10 | | 10 | company is being represented by Mr. Jay Harmon, who just |
| 11 | | 11 | spoke, he's the general manager; and Sherri Palmer, Dale |
| 12 | | 12 | Lucas and Mike Johannes. |
| 13 | | 13 | The Department has made a tentative |
| 14 | The hearing in the above matter commenced on | 14 | determination that the permit will meet all applicable |
| 15 | Monday, April 11, 2022, at the Laurel-Beltsville Senior | 15 | air quality rules and regulations and could be issued. |
| 16 | Center Activity Center, 7120 Contee Road, Laurel, | 16 | This hearing is to offer citizens the opportunity to |
| 17 | Maryland, 20707. | 17 | formally comment on the Department's tentative |
| 18 | | 18 | determination and the draft permit conditions or offer |
| 19 | | 19 | comments after tonight in writing to my attention. You |
| 20 | Before: Shannon Heafey, Hearing Officer | 20 | can email me, my card is at the back. |
| 21 | | 21 | And there's one copy of the docket on the back |
| 22 | Reported by: Karen Willoughby, CER | 22 | table, if you guys would like to look it over. But it's |
| | | | |
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| | 2 | | 4 |
| 1 | 2 ATTENDEES | 1 | 4 the only copy we have with us right now tonight. It is |
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1 (Pages 1 to 4)

Maryland Department of the Environment

Public Hearing

4/11/2022

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| 1 | is considers to be adverse to the tentative | 1 | 5501 Van Dusen Road, Laurel, Maryland, 21707, in Prince |
| 2 | determination, that determination will become the final | 2 | George's County. Schuster Concrete Ready Mix, LLC |
| 3 | decision at the end of the comment period and the permit | 3 | currently operates a concrete batch plant at the |
| 4 | would be issued. | 4 | facility. |
| 5 | If the Department does receive comments it | 5 | The proposed installation of is a 220 ton per |
| 6 | deems adverse to the tentative determination, it will | 6 | hour crusher for processing waste concrete produced by |
| 7 | make a final determination as to whether to issue or deny | 7 | the on-site company batch plant. The concrete crusher |
| 8 | the permit based on those comments. | 8 | will be powered by a Tier 4i Diesel engine. Replacement |
| 9 | A notice of final determination would be placed | 9 | equipment may be installed as needed. The concrete |
| 10 | in the legal section of a newspaper of general | 10 | crusher will be equipped with a wet suppression system to |
| 11 | circulation in the area. It would be placed on the MDE | 11 | minimize dust emissions. |
| 12 | Air Quality Permitting web page and mailed or emailed to | 12 | The Department's review process included |
| 13 | the commenters and anyone who participated in this public | 13 | determinations of worst-case air emissions from the |
| 14 | review. | 14 | proposed facility and determinations of the impact of |
| 15 | So if there's anyone who is contending that | 15 | those emissions on ambient air quality. |
| 16 | they will be adversely affected by the Department's final | 16 | Emissions from the proposed facility were |
| 17 | determination may seek remedy within the Circuit Court | 17 | projected based on U.S. Environmental Protection Agency |
| 18 | system of Maryland. Petition for judicial review must be | 18 | emission factors established for nonmetallic mineral |
| 19 | filed with the Circuit Court for the county where the | 19 | processing plants and handling. The effects of the |
| 20 | proposed activity will be. And must be filed within 30 | 20 | proposed facilities emissions on ambient air quality were |
| 21 | days after the publication of a notice of final | 21 | estimated using United States EPA approved computer |
| 22 | determination. | 22 | models that provide conservative estimates of such |
| | | | |
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| | 6 | | 8 |
| 1 | 6 So Mr. Hafner is going to give a brief | 1 | 8 effects. Details concerning the facility's emissions, |
| 1 2 | 6 So Mr. Hafner is going to give a brief description of the permit conditions and the tentative | 1 2 | 8 effects. Details concerning the facility's emissions, and their impact on ambient air quality, are provided in |
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| 1 | toxic air pollutants. | 1 | MR. DERNOGA: Which is the acoustic level and |
| 2 | Conduct visible emissions observations for | 2 | what the consequence would be of potential noise |
| 3 | applicable visible emissions requirements. | 3 | violations, should they occur. |
| 4 | Install and maintain a wet suppression system | 4 | MS. HEAFEY: I can actually answer that on the |
| 5 | for control of particulate matter emissions from the | 5 | record right now. The Department does not have a noise |
| 6 | concrete crusher. | 6 | program any longer. It is put with the County. |
| 7 | Use reasonable control methods to control dust | 7 | MR. DERNOGA: I thought you were going to say |
| 8 | from all future dust sources at the facility. | 8 | that. |
| 9 | Operate so as to prevent discharges of | 9 | MS. HEAFEY: Yeah. |
| 10 | emissions that create a nuisance beyond property lines. | 10 | MR. DERNOGA: So in considering and I know |
| 11 | Annually certify in writing actual emissions of | 11 | you're doing Air. |
| 12 | regulated pollutants from the facility. | 12 | MS. HEAFEY: Correct. |
| 13 | Maintain sufficient records to support the | 13 | MR. DERNOGA: And for the record, I'm on the |
| 14 | annual certifications of emissions. | 14 | Maryland Air Quality Commission. |
| 15 | Report all occurrences of excess emissions. | 15 | MS. HEAFEY: Wonderful. |
| 16 | Only operate one concrete crusher at the facility at any | 16 | MR. DERNOGA: Recently appointed. I'm also on |
| 17 | time. The engine power of the concrete crusher must be a | 17 | Metropolitan Washington Air Quality Commission. So I |
| 18 | Tier 4i engine, with a horsepower rating no greater than | 18 | know you're not really dealing with acoustics, I know MDE |
| 19 | 188 horsepower. Thank you. | 19 | no longer deals with acoustics, but considering this |
| 20 | MS. HEAFEY: Thank you. Okay. At this time I | 20 | could make a lot of noise, I think it's something that |
| 21 | would like to open the floor for taking testimony. And | 21 | needs to be taken into account at some level. Otherwise, |
| 22 | we have one of our elected officials here, Mr. Dernoga. | 22 | you're going to look at future County enforcement, should |
| | 10 | | 12 |
| 1 | Would you like to make a statement? | 1 | it be necessary. That's point one. |
| 2 | MR. DERNOGA: I wasn't planning on it, but | 2 | The other point that I would make, and I hadn't |
| 3 | should I stand back here or come up front? | 3 | really thought about this and this is part of |
| 4 | MS. HEAFEY: Actually if you can come up and | 4 | Konterra, in a sense, and I'm not sure what the |
| 5 | sit in this front row, there's a microphone that will | 5 | relationship is with Konterra, the general property is |

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6 pick up your testimony. 7 MR. DERNOGA: Thank you. Tom Dernoga, Prince 8 George's County Council, District One. I appreciate you 9 holding this hearing and allowing the public to weigh in. 10 I don't have a specific position regarding the 11 application. I wanted to make sure that the public was 12 aware. Years ago we had a rock crusher application for 13 the Maryland -- either Clay or Maryland Brick, over the 14 other side of Beltsville, which was contentious. And the 15 property was bought and the rock crusher never came and 16 everybody was happy and the world moved on. 17 So knowing how contentious that was, I just 18 wanted to make sure that the public was aware and weighed 19 in, that's my general viewpoint. 20 Having said that, I do have a question that I 21 would like to get answered when you answer questions.

MS. HEAFEY: Okay.

22

owned by the Konterra entities. Konterra is in the very near future divesting itself of 41 acres of land very close to this property, between this property and Gunpowder Road, for a sports park that will be attached to the Fairland Regional Park, right across from the Aquatic Center and the Ice House. So in terms of any potential air emissions, I want to make sure you take into account -- in the very

near future, I know they're in the process of filing detailed site plans and the final plat of the subdivision in the next couple months, they're going to finally cut loose the 41 acres that they are required to, as part of their original preliminary plan of subdivision.

18 19 So because there would be athletic fields to 20 the west, in very close proximity, I just wanted to make 21 sure that was taken into account. 22

MS. HEAFEY: Okay.

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22

later on. So it might not be the exact same machine.

| | 13 | | 15 |
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| 1 | MR. DERNOGA: And then the other question that | 1 | So that's what I mean. They're only allowed to |
| 2 | I would have is will there be any term put on the | 2 | operate one at a time. |
| 3 | license, in terms of years of which the permit runs for. | 3 | MR. PERKINS: Okay. |
| 4 | before it has to be renewed. | 4 | MR. MILLIGAN: Support vehicles. This machine |
| 5 | MS_HEAFEY: Okay_You want to stay by just | 5 | doesn't run on its own how many support vehicles support |
| 6 | after when we go off the record and we can chat a little | 6 | this operation? Is there 20 excavators and 2 pans and |
| 7 | hit | 7 | some front-end loaders and a dozen dump trucks and tail |
| 8 | MR DERNOGA: Sure | 8 | gate slamming all night long throughout the night? Are |
| 9 | MS. HEAFEY: But we'll still add it to the | 9 | they going to turn it off at midnight? Are they going to |
| 10 | formal | 10 | run it all through the night? |
| 11 | MR. DERNOGA: I came to watch. I wasn't really | 11 | MS. HEAFEY: I'm going to |
| 12 | planning on speaking | 12 | MR. MILLIGAN: How far behind do they fall? |
| 13 | MS. HEAFEY: That's fine, no. | 13 | How many buildings are they going to crush? I mean. |
| 14 | MR. DERNOGA: but you talked me into it. | 14 | what's the mass amount? |
| 15 | Thank you. | 15 | MS. HEAFEY: Okay. I'd like to take that as |
| 16 | MS. HEAFEY: Appreciate it. Thank you so much. | 16 | actual statement and for that. I need you to state your |
| 17 | Let's see. Ms. Perkins. I think you're the only person I | 17 | name and spell it. |
| 18 | have signed up. | 18 | MR. MILLIGAN: Okay. |
| 19 | MS. DASTON: Melissa Daston, this is Mr. | 19 | MS. HEAFEY: No, no, no. These are good |
| 20 | Perkins. | 20 | questions. If you would like to answer, please feel |
| 21 | MS. HEAFEY: I'm so sorry. How did I do that? | 21 | free. It would be very good to be able to do this. So I |
| 22 | MS. DASTON: So if Mr. Perkins wants to go | 22 | just need you to state and spell your name. |
| | | | |
| | 14 | | 16 |
| 1 | ahead, that's fine. I'm perfectly comfortable with my | 1 | MR. MILLIGAN: I'm Thomas Milligan, M I L L I G |
| 2 | colleague John Perkins speaking. | 2 | A N. Live on Old Gunpowder Road, I work at the Gunpowder |
| 3 | MR. PERKINS: I only had one question and that | 3 | Golf Course. And I understand what you were getting to |
| 4 | was how many machines are we talking about? | 4 | and I think the question is how many excavators and |
| 5 | MS. HEAFEY: You can answer that. | 5 | front-end loaders and tailgates from dump trucks, how |
| 6 | MR. HAFNER: It's one concrete crusher. | 6 | much volume are they anticipating. Are they going to |
| 7 | MR. PERKINS: I understand it's one concrete | 7 | crush some sidewalks and roads and skyscrapers, I don't |
| 8 | crusher. | 8 | know. How long is this going to go on for? |
| 9 | MR. HAFNER: There's a picture of it in the | 9 | Like Mr. Dernoga asked, is there a drop dead |
| 10 | docket. | 10 | date here? I mean, currently we have too much noise |
| 11 | MR. PERKINS: I saw that. | 11 | pollution now from a wood chipping process that's going |
| 12 | MR. HAFNER: Okay. | 12 | on into the night every evening. We can barely hear the |
| 13 | MR. PERKINS: I'm saying is that the only one. | 13 | song birds at the golf course nowadays. But that is for |
| 14 | In other words, is there a second one and you're only | 14 | somebody to do a sound testing to evaluate where we're at |
| 15 | operating with one? | 15 | now, before this plant even starts up to see what we've |
| 16 | MR. HAFNER: They're only allowed to operate | 16 | lost once it does start up. |
| 17 | | | |
| | one at a time. There's the permit allows for | 17 | And if they're running it for a couple hours a |
| 18 | one at a time. There's the permit allows for equivalent replacement and that is for a lot of these | 17 18 | And if they're running it for a couple hours a day just processing what they can process, I have no |
| 18 19 | one at a time. There's the permit allows for equivalent replacement and that is for a lot of these facilities, not necessarily Schuster, but a lot of these | 17 18 19 | And if they're running it for a couple hours a day just processing what they can process, I have no problem with that. But if it's going to run all through |
| 18 19 20 | one at a time. There's the permit allows for equivalent replacement and that is for a lot of these facilities, not necessarily Schuster, but a lot of these facilities rent the equipment, so they might bring it on, | 17 18 19 20 | And if they're running it for a couple hours a day just processing what they can process, I have no problem with that. But if it's going to run all through the night, that might be a big issue. |

There was a concrete processing facility there for a while, they were pouring it right next to the

4 (Pages 13 to 16)

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| 1 | Aquatic Center and then they had to dynamite blast it | 1 | which again Prince George's County's numbers are much |
| 2 | because it got so thick. I don't know the process behind | 2 | higher than the other counties surrounding us |
| 3 | that I don't think these gives were involved in that one | 3 | The second issue is the issue of the additional |
| 4 | But it was a wash-out area where mixers would dump their | | pollution and noise both types of pollution air and |
| 5 | loads and it was several 50 foot thick maybe | 5 | noise generated by increased truck volume on Old |
| 6 | MR ZOOK: No one knows though | 6 | Gunnowder Road. For those of us who have lived out here |
| 7 | MR MILLIGAN: We're really not sure how deen | | 40 years we can tell you it used to be a bucolic country |
| 8 | they had to drill | | road. Ves, there was the Contee plant running and we |
| 9 | MR_{TOOK} : Vou guys know where it's at because | 0 | were well aware of that and everyone was perfectly fine |
| 10 | you work there | 10 | with that |
| 10 | MR MILLIGAN: They were blasting it for a long | 11 | But since that time we have built three new |
| 12 | time and I think they broke the glass out of the Aquatic | 12 | developments, two large developments along Old Gunpowder |
| 12 | Center or something of that nature. I'm not sure, rumors | 12 | Road Cross Creek and Bentley Park that are in close |
| 13 | bad it | 13 | provimity. The Feirland Dark is also there. And so the |
| 14 | MS HEAFEV: Okay Thank you | 14 | troffic has become quite significant |
| 15 | MD HAENED: Thank you | 15 | In the moster plan that we submitted and was |
| 10 | MR. HEAFEV: And I'm so sorry Ms Deston | 10 | in the master plan that we submitted and was |
| 17 | MS_DASTON: It's all right it's all right | 1/ | approved almost 11 years ago the Council member will |
| 10 | We all tend to know each other we all live up here in | 10 | the test ff and have been been been of the commended that |
| 19 | the north and of the County | 19 | the traffic and noise be addressed on Old Gunpowder Road |
| 20 | the north end of the county. | 20 | before this period of time and certainly anything that |
| 21 | Laural and I'm have tenicht representing the West Laural | 21 | would expand that. |
| 22 | Laurer, and I in here tonight representing the west Laurer | 22 | I can also tell you from personal experience |
| | 18 | | 20 |
| 1 | Civic Association and the District One Movers and | 1 | just this week, one of the folks going down to Van Dusen |
| 2 | Shakers. | 2 | I don't know whether it was your business or somebody |
| 3 | As I said earlier, I don't have prepared | 3 | else's business, I will not fault you, but one of the |
| 4 | testimony. I'll submit written testimony to follow up. | 4 | large dump trucks passed me over the double line going |
| 5 | But the issues that I wanted to point out of concern that | 5 | close to 70 miles an hour, and then slammed on his brakes |
| 6 | need to be addressed I think fully before anyone would go | 6 | when he got to the left turn on Van Dusen, opposite the |
| 7 | further. | 7 | Aquatic Center. |
| 8 | I realize you're dealing with air quality and | 8 | We don't need more of that type of air |
| 9 | so far people have been talking about noise quality. So | 9 | pollution and noise pollution. So there's great concern. |
| 10 | let me refocus us on air quality. | 10 | And finally, it would be helpful if in the |
| 11 | Which is, as you know, Prince George's County | 11 | record you could address what are the ramification if the |
| 12 | has some of the worst air quality in the entire | 12 | air pollutants increase and are above a certain level? |
| 13 | Metropolitan area; it's been documented, study after | 13 | What is the State's policy on monitoring, fining and |
| 14 | study, particularly along Old Gunpowder Road and over | 14 | closing down operations if it reaches a certain level? I |
| 15 | towards on Old Edmondston Road. | 15 | don't think that was well thought out or well expressed |
| 16 | As a result, we have a number of health issues, | 16 | in the paperwork that I received. |
| 17 | the research is very clear about air particulates, but | 17 | I'm sure I could go look it up in a big |
| 18 | also noise. I want to point out that although you may be | 18 | regulation book, but it would be helpful if that was |
| 19 | air quality only, noise is a very important thing that | 19 | provided for the residents who live nearby and must deal |
| 20 | deals with health issues and the amount of particulate | 20 | with this issue. |
| 21 | NAAQ amount to bring out into the air deals with health | 21 | So thank you for your time tonight. And as I |

22 issues such as asthma and other respiratory diseases,

said, I'll follow-up with a letter expressing my

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| | | | 22 |
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| 1 | 21 | | 23 |
| 1 | concerns. | | |
| 2 | MR. HAFNER: Thank you. | | CERTIFICATE OF COURT REPORTER |
| 3 | MS. HEAFEY: Is there anybody else who would | | I Komm Willoughby do homeby contify that the |
| 4 | (No regenerace) | 4 | I, Karen winoughby, do hereby certify that the |
| 5 | (No response.) | | and a recorded by most that I am maither councel for mor |
| 07 | MS. HEAFET: Okay. well, I want to thank | | related to nor employed by any of the parties to the |
| / 0 | everyone for coming out tonight. Again, the comment | | related to, nor employed by any of the parties to the |
| 0 | like additional time, you can request a one time 60 day | | am not a relative or ampleves of any atterney or sourcel |
| 9 | averagion to this common movied. It has to be cent in | 10 | am not a relative or employee of any attorney or counser |
| 10 | extension to this comment period. It has to be sent in | 10 | employed by the parties hereto, nor infancially or |
| 11 | writing to the Department, which again can come to the via | | otherwise interested in the outcome of the action. |
| 12 | email before the 25th. And everyone would get notified | 12 | |
| 13 | of an extension, if there was a request for one. | 13 | |
| 14 | and in there is no request for one, at the end | 14 | |
| 15 | of April 25th, we fille taking all of the comments that | 15 | |
| 10 | came in during the comment period at the nearing and in | 10 | KADEN WILLOUCHDV |
| 10 | and monogors and they will develop a Despense To Comments | 19 | Court Penorter |
| 10 | and managers and they will develop a Response 10 Comments | 10 | Court Reporter |
| 19 | toright will be addressed and sort out to symphody. And | 20 | |
| 20 | we'll go from there | 20 | |
| 21 | we it go from there. | $\begin{vmatrix} 21\\ 22 \end{vmatrix}$ | |
| | ii you i iii assuning everyone signed iii. I | | |
| | 22 | | |
| 1 | was just counting and I think everyone signed in. If you | | |
| 2 | know anybody who is interested in learning more | | |
| 3 | information about this who couldn't come this evening, | | |
| 4 | please grab a card and hand it to them. | | |
| 5 | MR. PERKINS: One last question. | | |
| 6 | MS. HEAFEY: Okay. Sure. | | |
| 7 | MR. PERKINS: So was there a study done on the | | |
| 8 | amount of traffic that is being utilized on Van Dusen at | | |
| 9 | this time? | | |
| 10 | MS. HEAFEY: Okay. One second. I'm going to | | |
| 11 | close the hearing officially at 6:35. | | |
| 12 | (Whereupon, the hearing was | | |
| 13 | concluded at 6:35 p.m.) | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |

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033-2083



Wes Moore, Governor Aruna Miller, Lt. Governor

Serena McIlwain, Secretary Suzanne E. Dorsey, Deputy Secretary

Ms. Sherri Palmer, Environmental Administrator Schuster Concrete Ready Mix, LLC 3713 Crondall Lane Owings Mills, MD 21117

SEP 1 5 2023

Dear Ms. Palmer:

Enclosed please find your Permit to Construct for the one (1) concrete crusher at Schuster Concrete Ready Mix, LLC to be located at 5501 Van Dusen Road, Laurel, MD 20707. The Permit contains both general conditions, which apply to all air quality permit holders in Maryland, and specific conditions, which apply to the concrete crusher that you have proposed to install.

The Permit to Construct also serves as a Temporary Permit to Operate for a period of up to 180 days after initiating operation of the plant authorized by this permit. As specified in your Permit, you notify the Department of the initial start-up date of the plant within 15 days of the date and you must demonstrate compliance with applicable standards within 180 days of start-up. You must also submit an application for an initial State Permit to Operate at least 60 days prior to the expiration of the Temporary Operating Permit.

If you have any questions regarding this Permit, please contact Matt Hafner of my staff at (410) 537-3293.

Sincerely,

Suna Yi Sariscak, Manager Air Quality Permits Program Air & Radiation Administration

SYS/jm

Enclosure

www.mde.maryland.gov

| KEEP PERMIT AT SITE | СО | NTROL NO. B - 07496 | | | |
|--|---|--|--|--|--|
| Wes Moore Governor State of | Ne Me | Serena McIlwain Secretary aryland | | | |
| DEPARTMENT OF | THE ENVIRON | MENT | | | |
| Air and Radiation 1800 Washington Bo Baltimore, M | n Administration pulevard, Suite 720 ID 21230 | | | | |
| X Construction Permit | Opera | ting Permit | | | |
| PERMIT NO. 033-2083-6-1632 | DATE ISSUED | September 15, 2023 | | | |
| PERMIT FEE \$2,000.00 (Paid) | EXPIRATION DATE | In accordance with COMAR 26.11.02.04B | | | |
| LEGAL OWNER & ADDRESS Schuster Concrete Ready Mix, LLC 3713 Crondall Lane Owings Mills, MD 21117 Attn: Ms. Sherri Palmer Environmental Administrator | Schuster Concrete 5501 Van Dusen R Laurel, MD 20707 AI #9695 | SITE Ready Mix, LLC d. | | | |
| SOURCE DESCRIPTION This Permit authorizes the installation of one (1) concrete crusher rated at 220 tph and powered by one (1) Tier 4i diesel engine rated at 188 hp. This Permit serves as a Temporary Permit to Operate for a period of 180 days after startup of the concrete crusher. | | | | | |
| This source is subject to the conditions described on the attached pages. Page 1 of 12 Program Manager Program Manager | | | | | |
| | V | | | | |

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- Part B Applicable Regulations
- Part C Construction Conditions
- Part D Operating Conditions
- Part E Notifications, Testing and Monitoring
- Part F Record Keeping and Reporting
- Part G Temporary Permit-To-Operate Conditions

Part A – General Provisions

- (1) The following Air and Radiation Administration (ARA) permit-to-construct applications and supplemental information are incorporated into this permit by reference:
 - (a) Application for Processing or Manufacturing Equipment (Form 5) received at Department on July 8, 2021 for the installation one (1) concrete crusher rated at 220 tph powered by one (1) Tier 4i diesel engine rated at 188 hp.
 - (b) Supplemental Information: Vendor specifications, Safety Data Sheets, Engine Emissions Data, Zoning Approval received July 8, 2021.

If there are any conflicts between representations in this permit and representations in the applications, the representations in the permit shall govern. Estimates of dimensions, volumes, emissions rates, operating rates, feed rates and hours of operation included in the applications do not constitute enforceable numeric limits beyond the extent necessary for compliance with applicable requirements.

- (2) Upon presentation of credentials, representatives of the Maryland Department of the Environment ("MDE" or the "Department") and the Prince George's County Health Department shall at any reasonable time be granted, without delay and without prior notification, access to the Permittee's property and permitted to:
 - (a) inspect any construction authorized by this permit;
 - (b) sample, as necessary to determine compliance with requirements of this permit, any materials stored or processed on-site, any waste materials, and any discharge into the environment;

- (c) inspect any monitoring equipment required by this permit;
- (d) review and copy any records, including all documents required to be maintained by this permit, relevant to a determination of compliance with requirements of this permit; and
- (e) obtain any photographic documentation or evidence necessary to determine compliance with the requirements of this permit.
- (3) The Permittee shall notify the Department prior to increasing quantities and/or changing the types of any materials referenced in the application or limited by this permit. If the Department determines that such increases or changes constitute a modification, the Permittee shall obtain a permit-to-construct prior to implementing the modification.
- (4) Nothing in this permit authorizes the violation of any rule or regulation or the creation of a nuisance or air pollution.
- (5) If any provision of this permit is declared by proper authority to be invalid, the remaining provisions of the permit shall remain in effect.
- (6) Subsequent to issuance of this permit, the Department may impose additional and modified requirements that are incorporated into a State permit-to-operate issued pursuant to COMAR 26.11.02.13.

Part B – Applicable Regulations

(1) This source is subject to all applicable federal air pollution control requirements including, but not limited to, the following:

All applicable terms, provisions, emissions standards, testing, monitoring, record keeping, and reporting requirements included in federal New Source Performance Standards (NSPS) promulgated under 40 CFR 60, Subparts A and OOO for Nonmetallic Mineral Processing plants.

All notifications required under 40 CFR 60, Subparts A and OOO shall be submitted to both of the following:

The Administrator Compliance Program Maryland Department of the Environment Air and Radiation Administration 1800 Washington Boulevard, STE 715 Baltimore MD 21230

and

Director, Air Protection Division U.S. EPA – Region 3 Mail Code 3AP00 1650 Arch Street Philadelphia, PA 19103-2029

- (2) This source is subject to all applicable federally enforceable State air pollution control requirements including, but not limited to, the following regulations:
 - (a) COMAR 26.11.01.07C, which requires that the Permittee report to the Department occurrences of excess emissions.
 - (b) COMAR 26.11.02.04B, which states that a permit to construct or an approval expires if, as determined by the Department:
 - (i) Substantial construction or modification is not commenced within 18 months after the date of issuance of the permit or approval, unless the Department specifies a longer period in the permit or approval;
 - (ii) Construction or modification is substantially discontinued for a period of 18 months after the construction or modification has commenced; or
 - (iii) The source for which the permit or approval was issued is not completed within a reasonable period after the date of issuance of the permit or approval.
 - (c) COMAR 26.11.02.09A, which requires that the Permittee obtain a permit-to-construct if an installation is to be modified in a manner that would cause changes in the quantity, nature, or characteristics of emissions from the installation as referenced in this permit.

- (d) COMAR 26.11.06.03C and D, which requires that the Permittee take reasonable precautions to prevent particulate matter from unconfined sources and materials handling and construction operations from becoming airborne.
- (e) COMAR 26.11.06.12, which prohibits the construction, modification, or operation of an NSPS source in a manner which results or will result in a violation of the provisions of 40 CFR, Part 60.
- (f) COMAR 26.11.09.05A(2), which prohibits visible emissions other than uncombined water from fuel burning equipment.

Exceptions. The visible emissions standard in COMAR 26.11.09.05A(2) does not apply to emissions during load changing, soot blowing, start-up, or adjustments, or occasional cleaning of control equipment, if: (i) the visible emissions are not greater than 40 percent opacity; and (ii) the visible emissions do not occur for more than 6 consecutive minutes in any 60 minute period.

- (g) COMAR 26.11.09.05E, which limits visible emissions from the internal combustion engines.
 - Visible Emissions During Idle Mode A person may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity in accordance with COMAR 26.11.09.05E(2).
 - (ii) Visible Emissions During Operating Mode A person may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity in accordance with COMAR 26.11.09.05E(3).
 - (iii) Exceptions:
 - i. COMAR 26.11.09.05E(2) does not apply for a period of two (2) consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.
 - ii. COMAR 26.11.09.05E(2) does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:

- (i) Engines that are idled continuously when not in service: 30 minutes;
- (ii) All other engines: 15 minutes.
- iii. COMAR 26.11.09.05E(2) and (3) do not apply while maintenance, repair, or testing is being performed by qualified mechanics.
- (h) COMAR 26.11.09.07A(1), which limits the sulfur content of distillate fuel oils to not more than 0.3 percent by weight.
- (3) This source is subject to all applicable State-only enforceable air pollution control requirements including, but not limited to, the following regulations:
 - (a) COMAR 26.11.02.13A(16), which requires that the Permittee obtain from the Department, and maintain and renew as required, a valid State permit-to-operate.
 - (b) COMAR 26.11.02.14D, which requires that the Permittee submit to the Department not later than 60 days prior to initiating operation of the installation for which this permit is issued a completed application for a State permit-to-operate.
 - (c) COMAR 26.11.02.19C & D, which require that the Permittee submit to the Department annual certifications of emissions, and that the Permittee maintain sufficient records to support the emissions information presented in such submittals.
 - (d) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.
 - (e) COMAR 26.11.15.05, which requires that the Permittee implement "Best Available Control Technology for Toxics" (T – BACT) to control emissions of toxic air pollutants.
 - (f) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions would unreasonably endanger human health.

Part C – Construction Conditions

- (1) Except as otherwise provided in this part, the one (1) concrete crusher rated at 220 tph powered by one (1) Tier 4i diesel engine rated at 188 hp shall be constructed in accordance with specifications included in the incorporated applications.
- (2) This permit authorizes the installation of a concrete crusher rated at 220 tph powered by one (1) Tier 4i diesel engine rated at 188 hp and the installation of subsequent, equivalent replacement equipment, as needed.
- (3) The one (1) concrete crusher shall be equipped with wet suppression systems to control fugitive dust as needed.
- (4) The one (1) diesel engine shall be certified as Tier 4i.

Part D – Operating Conditions

- (1) Except as otherwise provided in this part, the one (1) concrete crusher rated at 220 tph powered by one (1) Tier 4i diesel engine rated at 188 hp shall be operated in accordance with specifications included in the application and any operating procedures recommended by equipment vendors unless the Permittee obtains from the Department written authorization for alternative operating procedures.
- (2) The Permittee shall process only waste concrete generated on-site in the concrete crusher unless the Permittee obtains an approval from the Department to process other materials.
- (3) Wet suppression systems shall be used for the one (1) concrete crusher whenever needed to comply with the fugitive particulate matter handling requirements of COMAR 26.11.06.03C and COMAR 26.11.06.03D and the following opacity limits for affected facilities at nonmetallic mineral processing plants constructed, modified, or reconstructed on or after April 22, 2008 as specified in 40 CFR 60, Subpart OOO:
 - (a) No more than 12 percent opacity from the crusher; and

(b) No more than 7 percent opacity from all other fugitive sources. [Reference: 40 CFR §60.672(b) and Table 3 to 40 CFR 60, Subpart OOO]

- (4) The Permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in all wet suppression systems. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. [Reference: 40 CFR §60.674(b)]
- (5) The engine shall only be fired with diesel fuel that has a sulfur content of less 0.3 percent by weight.
- (6) The engine shall be a nonroad engine, as defined in 40 CFR §1068.30, unless the Permittee complies with the stationary engine requirements of 40 CFR 60, Subpart IIII and 40 CFR 63, Subpart ZZZZ, as applicable, for the engine.
- (7) Only one (1) concrete crusher may be operated on the premises at any time.

Part E – Notifications, Testing and Monitoring

- (1) The Permittee shall submit written or electronic notification to the Department of the initial startup date of the concrete crusher and the initial startup date of each subsequent, equivalent replacement equipment within 15 days after such date. [Reference: 40 CFR §60.7(a)(3) and §60.676(i)]
- (2) For the initial concrete crusher and each subsequent, equivalent replacement equipment (if required), the Permittee shall demonstrate compliance with all applicable opacity standards within the applicable timeframes in accordance with 40 CFR 60, Subpart OOO. Except for the seasonal shutdown provision under 40 CFR §60.675(i), under no circumstance shall the demonstration for compliance with opacity standards occur later than 180 days after initial startup of the portable crushing and screening plant.
 [Reference: 40 CFR §60.11(b) and §60.672(b)]
- (3) The Permittee shall use Method 9 of Appendix A-4 to 40 CFR, Part 60 and the procedures in 40 CFR §60.11, with the following additions:
 - (a) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 - (b) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A–4 of this part, Section 2.1) must be followed.

- (c) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.
 [Reference: 40 CFR §60.675(c)(1)]
- (4) The duration of the Method 9 (40 CFR, Part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable opacity standards must be based on the average of the five 6-minute averages. [Reference: 40 CFR §60.675(c)(3)]
- (5) The Permittee shall submit notification of the intended date of the required Method 9 observations to the Department at least 7 days prior to that date unless an alternate date is mutually agreed with the Department. [Reference: 40 CFR §60.675(g)]
- (6) Within 45 days following the required Method 9 observations, the Permittee shall submit the results to the Department.
- (7) The Permittee may use the results of the Method 9 opacity observations for the portable crushing and screening plant conducted at one site to satisfy the compliance demonstration required at each additional site where the equipment will be located.

Part F – Record Keeping and Reporting

- (1) The Permittee shall maintain for at least five (5) years, and shall make available to the Department upon request, records of the following information:
 - (a) The amount of material processed and total hours of operation each month in the concrete crusher;
 - (b) A log, kept onsite, of each periodic inspection of the wet suppression systems associated with the crushing and screening plant including the dates and any corrective actions taken [Reference: 40 CFR §60.674(b) and §60.676(b)(1)];
 - (c) Copies of all notifications of initial start-up of the concrete crusher and each subsequent, equivalent replacement equipment;

- (d) Copies of all required opacity observation test results for the initial concrete crusher and each subsequent, equivalent replacement equipment; and
- (e) Sufficient equipment information or vendor literature for all initial equipment associated with the concrete crusher and each subsequent, equivalent replacement equipment to substantiate equivalency and emissions.
- (2) The Permittee shall maintain at the facility for at least five (5) years, and shall make available to the Department upon request, records necessary to support annual certifications of emissions and demonstrations of compliance for toxic air pollutants. Such records shall include, if applicable, the following:
 - (a) mass emissions rates for each regulated pollutant, and the total mass emissions rate for all regulated pollutants for each registered source of emissions;
 - (b) accounts of the methods and assumptions used to quantify emissions;
 - (c) all operating data, including operating schedules and production data, that were used in determinations of emissions;
 - (d) amounts, types, and analyses of all fuels used;
 - (e) any records, the maintenance of which is required by this permit or by State or federal regulations, that pertain to the operation and maintenance of continuous emissions monitors, including:
 - (i) all emissions data generated by such monitors;
 - (ii) all monitor calibration data;
 - (iii) information regarding the percentage of time each monitor was available for service; and
 - (iv) information concerning any equipment malfunctions.
 - (f) information concerning operation, maintenance, and performance of air pollution control equipment and compliance monitoring equipment, including:
 - (i) identifications and descriptions of all such equipment;

- (ii) operating schedules for each item of such equipment;
- (iii) accounts of any significant maintenance performed;
- (iv) accounts of all malfunctions and outages; and
- (v) accounts of any episodes of reduced efficiency.
- (g) limitations on source operation or any work practice standards that significantly affect emissions; and
- (h) other relevant information as required by the Department.
- (3) The Permittee shall submit to the Department by April 1 of each year a certification of emissions for the previous calendar year. The certifications shall be prepared in accordance with requirements, as applicable, adopted under COMAR 26.11.01.05 1 and COMAR 26.11.02.19D.
 - (a) Certifications of emissions shall be submitted on forms obtained from the Department.
 - (b) A certification of emissions shall include mass emissions rates for each regulated pollutant, and the total mass emissions rate for all regulated pollutants for each of the facility's registered sources of emissions.
 - (c) The person responsible for a certification of emissions shall certify the submittal to the Department in the following manner:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

(4) The Permittee shall submit to the Department by April 1 of each year a written certification of the results of an analysis of emissions of toxic air pollutants from

the Permittee's facility during the previous calendar year. Such analysis shall include either:

- (a) a statement that previously submitted compliance demonstrations for emissions of toxic air pollutants remain valid; or
- (b) a revised compliance demonstration, developed in accordance with requirements included under COMAR 26.11.15 & 16, that accounts for changes in operations, analytical methods, emissions determinations, or other factors that have invalidated previous demonstrations.
- (5) The Permittee shall report, in accordance with requirements under COMAR 26.11.01.07, occurrences of excess emissions to the Compliance Program of the Air and Radiation Administration.

Part G – Temporary Permit-to-Operate Conditions

- (1) This permit-to-construct shall also serve as a temporary permit-to-operate that confers upon the Permittee authorization to operate the concrete crusher for a period of up to 180 days after initiating operation of the concrete crusher.
- (2) The Permittee shall provide the Department with written or electronic notification of the date on which operation of the concrete crusher is initiated. Such notification shall be provided within 15 business days of the date to be reported.
- (3) During the effective period of the temporary permit-to-operate the Permittee shall operate the new installation as required by the applicable terms and conditions of this permit-to-construct, and in accordance with operating procedures and recommendations provided by equipment vendors.
- (4) The Permittee shall submit to the Department an application for a State permitto-operate no later than 60 days prior to expiration of the effective period of the temporary permit-to-operate.