### STATEMENT OF BASIS

For the issuance of Air Permit # 1681-AOP-R16 AFIN: 70-00473

#### 1. PERMITTING AUTHORITY:

Arkansas Department of Environmental Quality 5301 Northshore Drive North Little Rock, Arkansas 72118-5317

#### 2. APPLICANT:

Anthony Forest Products Company, LLC 1236 Urbana Road El Dorado, Arkansas 71730

#### 3. PERMIT WRITER:

Alexander Sudibjo

#### 4. NAICS DESCRIPTION AND CODE:

NAICS Description: Sawmills NAICS Code: 321113

#### 5. ALL SUBMITTALS:

The following is a list of ALL permit applications included in this permit revision.

| Date of Application | Type of Application          | Short Description of Any Changes        |
|---------------------|------------------------------|---|
|                     | (New, Renewal, Modification, | That Would Be Considered New or         |
|                     | Deminimis/Minor Mod, or      | Modified Emissions                      |
|                     | Administrative Amendment)    |   |
| 5/16/2018           | Minor Mod                    | Remove hour of operation limit on using |
|                     |                              | natural gas as fuel for DPK #3          |

#### 6. REVIEWER'S NOTES:

With this minor modification, the facility is requesting to remove the hour of operation limit for burning natural gas as fuel for DPK #3 (SN-27). Only the annual NOx and HAPs emissions are increasing as a result of this change. The facility's permitted annual emissions are increasing by 7.2 tpy NOx and 0.26 tpy total other HAPs.

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#### 7. COMPLIANCE STATUS:

The facility was last inspected on November 15, 2017. No violations were found during the inspection. ECHO shows an unknown compliance status (https://echo.epa.gov/detailed-facility-report?fid=110001702346).

#### 8. PSD/GHG APPLICABILITY:

- a) Did the facility undergo PSD review in this permit (i.e., BACT, Modeling, etc.)? N If yes, were GHG emission increases significant? N/A
- b) Is the facility categorized as a major source for PSD? Y
- Single pollutant  $\geq$  100 tpy and on the list of 28 or single pollutant  $\geq$  250 tpy and not on list

If yes for 8(b), explain why this permit modification is not PSD. This permit does not include a major modification as defined by 40 C.F.R. § 52.21(b)(2).

#### 9. SOURCE AND POLLUTANT SPECIFIC REGULATORY APPLICABILITY:

| Source    | Pollutant | Regulation<br>(NSPS, NESHAP or PSD) |
|-----------|-----------|-------------------------------------|
| Facility  | -         | 40 CFR Part 63, Subpart<br>DDDD     |
| 26        | -         | 40 CFR Part 60, Subpart IIII        |
| 26        | -         | 40 CFR Part 63, Subpart ZZZZ        |
| 27 and 28 | VOC       | PSD                                 |

#### 10. PERMIT SHIELD – TITLE V PERMITS ONLY:

Did the facility request a permit shield in this application? N (Note - permit shields are not allowed to be added, but existing ones can remain, for minor modification applications or any Regulation 18 requirement.)

If yes, are applicable requirements included and specifically identified in the permit? N/A If not, explain why.

For any requested inapplicable regulation in the permit shield, explain the reason why it is not applicable in the table below.

| Source | Inapplicable Regulation | Reason |
|--------|-------------------------|--------|
|        | N/A                     |        |

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#### 11. EMISSION CHANGES AND FEE CALCULATION:

See emission change and fee calculation spreadsheet in Appendix A.

#### 12. AMBIENT AIR EVALUATIONS:

The following are results for ambient air evaluations or modeling.

### a) NAAQS

A NAAQS evaluation is not required under the Arkansas State Implementation Plan, National Ambient Air Quality Standards, Infrastructure SIPs and NAAQS SIP per Ark. Code Ann. § 8-4-318, dated March 2017 and the ADEQ Air Permit Screening Modeling Instructions.

#### b) Non-Criteria Pollutants:

1<sup>st</sup> Tier Screening (PAER)

Estimated hourly emissions from the following sources were compared to the Presumptively Acceptable Emission Rate (PAER) for each compound. The Department has deemed the PAER to be the product, in lb/hr, of 0.11 and the Threshold Limit Value (mg/m³), as listed by the American Conference of Governmental Industrial Hygienists (ACGIH).

| Pollutant         | TLV (mg/m <sup>3</sup> ) | $PAER (lb/hr) = 0.11 \times TLV$ | Proposed lb/hr | Pass? |
|-------------------|--------------------------|----------------------------------|----------------|-------|
| Lead              | 0.05                     | 5.50E-03                         | 5.41E-03       | Yes   |
| Acrolein          | 0.229                    | 0.025                            | 0.35           | No    |
| Formaldehyde      | 0.368                    | 0.04                             | 1.26           | No    |
| Methanol          | 262.1                    | 28.83                            | 4.59           | Yes   |
| Pentachlorophenol | 0.5                      | 0.055                            | 5.75E-06       | Yes   |
| Antimony          | 0.5                      | 0.055                            | 8.91E-04       | Yes   |
| Arsenic           | 0.01                     | 1.10E-03                         | 2.48E-03       | No    |
| Beryllium         | 5.00E-05                 | 5.50E-06                         | 1.24E-04       | No    |
| Cadmium           | 0.01                     | 1.10E-03                         | 4.62E-04       | Yes   |
| Chromium          | 0.5                      | 0.055                            | 2.37E-03       | Yes   |
| Chromium VI       | 0.01                     | 1.10E-03                         | 3.03E-04       | Yes   |

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| Pollutant  | TLV (mg/m <sup>3</sup> ) | $PAER (lb/hr) = 0.11 \times TLV$ | Proposed lb/hr | Pass? |
|------------|--------------------------|----------------------------------|----------------|-------|
| Cobalt     | 0.02                     | 2.20E-03                         | 7.33E-04       | Yes   |
| Manganese  | 0.1                      | 0.011                            | 0.18           | No    |
| Mercury    | 0.01                     | 1.10E-03                         | 3.95E-04       | Yes   |
| Phosphorus | 0.1                      | 1.10E-03                         | 3.05E-03       | Yes   |
| Selenium   | 0.2                      | 2.20E-03                         | 3.16E-04       | Yes   |

<sup>2&</sup>lt;sup>nd</sup> Tier Screening (PAIL)

AERMOD air dispersion modeling was performed on the estimated hourly emissions from the following sources, in order to predict ambient concentrations beyond the property boundary. The Presumptively Acceptable Impact Level (PAIL) for each compound has been deemed by the Department to be one one-hundredth of the Threshold Limit Value as listed by the ACGIH.

| Pollutant    | PAIL $(\mu g/m^3) = 1/100$ of<br>Threshold Limit Value | Modeled Concentration (μg/m³) | Pass? |
|--------------|--|-------------------------------|-------|
| Acrolein     | 2.292  | 1.007                         | Yes   |
| Formaldehyde | 15   | 5.363                         | Yes   |
| Arsenic      | 0.1  | 0.0092                        | Yes   |
| Beryllium    | 5.00E-04   | 4.58E-04                      | Yes   |
| Manganese    | 1.0  | 0.666                         | Yes   |

## c) H<sub>2</sub>S Modeling:

The facility does not have any H<sub>2</sub>S emissions.

#### 13. CALCULATIONS:

| SN              | Emission Factor<br>Source<br>(AP-42, testing, etc.)                                     | Emission Factor (lb/ton, lb/hr, etc.)  | Control<br>Equipment             | Control<br>Equipment<br>Efficiency | Comments                     |
|-----------------|---|--|----------------------------------|------------------------------------|------------------------------|
| 06<br>Debarking | AP-42, 10.1  TCEQ Wood Industry Emission Factors – Log Debarking Controls (Appendix A7) | PM = 0.024  lb/ton<br>$PM_{10} = 11\% \text{ of PM}$<br>$PM_{2.5} = 50\% \text{ of PM}_{10}$ | Partial<br>building<br>enclosure | 95%                                | 920,000 ton/yr<br>225 ton/hr |

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| SN                           | Emission Factor<br>Source<br>(AP-42, testing, etc.)  | Emission Factor (lb/ton, lb/hr, etc.)   | Control<br>Equipment       | Control<br>Equipment<br>Efficiency                                       | Comments   |
|------------------------------|--|---|----------------------------|--|--|
| 06<br>Sawing                 | AP-42 10.1  TCEQ Wood Industry Emission Factors – Sawing Controls (Appendix A7)  | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$   |                            | 90%  | 874,000 ton/yr<br>225 ton/hr   |
| 20                           | AP-42, 13.2  | 17 payed sections   |                            | 50%  | Logs = 920,000<br>ton/yr<br>By-product<br>(shavings) = 50,600<br>ton/yr<br>By-product (other) =<br>266,800 ton/yr<br>Finished Lumber =<br>254,656 ton/yr |
| 21                           | Vendor   | $0.01  \mathrm{grain/scf}$ $42,800  \mathrm{cfm}$ $7000  \mathrm{grain/lb}$ $\mathrm{PM}_{10} = 40\%  \mathrm{of}  \mathrm{PM}$ $\mathrm{PM}_{2.5} = 50\%  \mathrm{of}  \mathrm{PM}_{10}$ | Cyclone<br>and<br>Baghouse | Cyclone<br>94%<br>&<br>Baghouse<br>99.9%                                 | 3600 hr/yr   |
|                              | ADEQ Memo<br>(10/31/2014)  | VOC = 3.8 lb/MBF  |                            |  | SN-23<br>25 MMBtu/hr<br>8.2 MBF/hr   |
|                              | $ \begin{array}{c} PM/PM_{10}/PM_{2.5} = 0.143 \ lb/MBF \\ Acetaldehyde = 0.052 \ lb/MBF \\ Acrolein = 0.0075 \ lb/MBF \\ Calculator \\ Methanol = 0.161 \ lb/MBF \\ Phenol = 0.01 \ lb/MBF \\ \end{array} $ |   |                            | 71,610 MBF/yr<br>219,000 MMBtu/hr<br>2.9 tons sawdust/hr<br><u>SN-14</u> |  |
| 23, 14, 27<br>Biomass        | NCASI Special<br>Report 08-01, May<br>2008   | Formaldehyde = 0.04 lb/MBF  | -                          |  | 30 MMBtu/hr<br>11.5 MBF/hr<br>93,500MBF/yr   |
|                              | AP-42, 1.6   | $SO_2 = 0.025$ lb/MMBtu<br>CO = 0.6 lb/MMBtu<br>Various HAPs  |                            |  | 262,800 MMBtu/hr<br>3.4 tons sawdust/hr<br>SN-27   |
|                              | GHG Mandatory<br>Reporting Rule  | $CO_2 = 206.7352 \ lb/MMBtu$<br>$CH_4 = 0.0158688 \ lb/MMBtu$<br>$N_2O = 0.007934 \ lb/MMBtu$   |                            |  | 31.5 MMBtu/hr<br>8.7 MBF/hr<br>75,000 MBF/yr<br>275,940 MMBtu/hr<br>3.6 tons sawdust/hr  |
| 27<br>Natural<br>Gas         | AP-42, 1.4   | NOx = 0.27 lb/MMBtu<br>Various HAPs   | -                          | -  | 31.6 MMBtu/hr  |
| 24, 25, 28<br>Diesel<br>Fuel | AP-42, 1.3   | $SO_2 = 7.1 \text{ lb/}1000 \text{ gal}$<br>$NO_X = 20 \text{ lb/}1000 \text{ gal}$<br>CO = 5  lb/1000  gal<br>PM = 2  lb/1000  gal<br>VOC = 1.1  lb/1000  gal                            | -                          | -  | Max diesel usage<br>15 gal/hr<br>360 gal/yr  |
| 24, 25, 28<br>Sawdust        | AP-42, 1.6   | $PM = 0.33 \text{ lb/MMBtu}$ $PM_{10} = 0.29 \text{ lb/MMBtu}$  | -                          | -  | 8.8 MMBtu/hr<br>4382 Btu/lb  |

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| SN | Emission Factor<br>Source<br>(AP-42, testing, etc.) | Emission Factor (lb/ton, lb/hr, etc.)  | Control<br>Equipment | Control<br>Equipment<br>Efficiency | Comments  |
|----|---|--|----------------------|------------------------------------|---|
|    |   | $PM_{2.5} = 0.29$ lb/MMBtu<br>$SO_2 = 0.025$ lb/MMBtu<br>$NO_X = 0.22$ lb/MMBtu<br>CO = 0.6 lb/MMBtu<br>VOC = 0.017 lb/MMBtu<br>Various HAPs |                      |                                    | 2000 lb/hour Max duration of startup = 24 hours Max 12 startups per kiln in a year Max hours of |
|    | GHG Mandatory<br>Reporting Rule                     | $CO_2 = 206.7352$ lb/MMBtu<br>$CH_4 = 0.0158688$ lb/MMBtu<br>$N_2O = 0.007934$ lb/MMBtu  |                      |                                    | operation = 288<br>hour/yr per kiln   |
| 26 | NSPS IIII Tier 3<br>Limit                           | $PM/PM_{10} = 0.15 \text{ g/bhp-hr}$<br>NOx = 3.0  g/bhp-hr<br>CO = 2.6  g/bhp-hr  |                      |                                    | 175 bhp<br>1.47 MMBtu/hr  |
| 26 | AP-42, 3.3-2  | VOC = 0.36  lb/MMBtu<br>$SO_2 = 0.29 \text{ lb/MMBtu}$<br>Various HAPs   | _                    | -                                  | 500 hr/yr   |

## 14. TESTING REQUIREMENTS:

The permit requires testing of the following sources.

| SN(s)                    | Pollutant | Test Method | Test Interval  | Justification For Test<br>Requirement |
|--------------------------|-----------|-------------|--|---------------------------------------|
| 23 (DPK#1)<br>14 (DPK#2) | $PM_{10}$ | 5           | Test only one kiln every five years (alternating schedule)       | Dept. Guidance<br>(Test for Emission  |
|                          | СО        | 10          | Test only one kiln every<br>five years (alternating<br>schedule) | Verification)                         |
| 27 (DDV#2)               | $PM_{10}$ | 201/201A    | One time   | Dept. Guidance<br>(Test for Emission  |
| 27 (DPK#3)               | СО        | 10          | One time   | Verification)                         |

### 15. MONITORING OR CEMS:

The permittee must monitor the following parameters with CEMS or other monitoring equipment (temperature, pressure differential, etc.)

| SN  | Parameter or Pollutant to be Monitored | Method (CEM, Pressure Gauge, etc.) | Frequency | Report (Y/N) |
|-----|--|------------------------------------|-----------|--------------|
| N/A |  |                                    |           |              |

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# 16. RECORDKEEPING REQUIREMENTS:

The following are items (such as throughput, fuel usage, VOC content, etc.) that must be tracked and recorded.

| SN      | Recorded Item                                      | Permit Limit  | Frequency  | Report (Y/N) |
|---------|--|---|--|--------------|
| 06      | Logs debarked                                      | 920,000 tons per consecutive 12 months  | Monthly  | Y            |
| 00      | Logs sawed   | 874,000 tons per consecutive 12 months  | Monthly  | Y            |
|         | Wet Suppression Application                        | As needed to control visible emissions from traffic   | As needed<br>but no less<br>than once a<br>month | N            |
| 20      | Products<br>Transported                            | in tons of product per consecutive  12 months  Logs: 920,000  By-Products (Shavings): 50,600  By-Products (Others): 266,800  Finished Lumber: 254,656 | Monthly  | Y            |
| 21      | Planer Mill Hours<br>of Operation                  | 3,600 hours per consecutive 12 months   | Monthly  | Y            |
|         | Lumber<br>Throughput                               | 71.61 MMBF per consecutive 12 months  | Monthly  | Y            |
| 23 & 25 | Sawdust<br>throughput limit<br>for gasifier/burner | 25,000 tons per consecutive 12 months   | Monthly  | Y            |
|         | Lumber<br>Throughput                               | 93.5 MMBF per consecutive 12 months   | Monthly  | Y            |
| 14 & 24 | Sawdust<br>throughput limit<br>for gasifier/burner | 30,000 tons per consecutive 12 months   | Monthly  | Y            |
|         | Lumber<br>Throughput                               | 75.0 MMBF per consecutive 12 months   | Monthly  | Y            |
| 27 & 28 | Sawdust<br>throughput limit<br>for gasifier/burner | 31,500 tons per consecutive 12 months   | Monthly  | Y            |
|         | Diesel fuel usage<br>limit as starter<br>fluid     | 360 gallons per consecutive 12 months   | Daily when in startup                            | N            |
| 24      | Abort stack operating hours                        | 288 hours per consecutive 12 months   | Monthly  | Y            |
|         | Sawdust<br>throughput limit                        | 2000 lb of sawdust per hour   | Daily when in startup                            | N            |

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| SN | Recorded Item                                      | Permit Limit                          | Frequency             | Report (Y/N) |
|----|--|---------------------------------------|-----------------------|--------------|
|    | for gasifier/burner                                |                                       |                       |              |
|    | Diesel fuel usage<br>limit as starter<br>fluid     | 360 gallons per consecutive 12 months | Daily when in startup | N            |
| 25 | Abort stack operating hours                        | 288 hours per consecutive 12 months   | Monthly               | Y            |
|    | Sawdust<br>throughput limit<br>for gasifier/burner | 2000 lb of sawdust per hour           | Daily when in startup | N            |
|    | Diesel fuel usage<br>limit as starter<br>fluid     | 360 gallons per consecutive 12 months | Daily when in startup | N            |
| 28 | Abort stack operating hours                        | 288 hours per consecutive 12 months   | Monthly               | Y            |
|    | Sawdust<br>throughput limit<br>for gasifier/burner | 2000 lb of sawdust per hour           | Daily when in startup | N            |
| 26 | Hours of Operation                                 | 500 hours per calendar year           | Monthly               | Y            |

## 17. OPACITY:

| SN         | Opacity % | Justification for limit | Compliance Mechanism                                  |
|------------|-----------|-------------------------|---|
| 06         | 20        | Reg.19.503              | Weekly observation                                    |
| 20         | 5         | Reg.18.501              | Weekly observation                                    |
| 21         | 5         | Reg.18.501              | Monthly observation                                   |
| 23, 14, 27 | 20        | Reg.19.503              | Weekly observation                                    |
| 24, 25, 28 | 20        | Reg.19.503              | Observation during<br>Startup                         |
| 26         | 20        | Reg.19.503              | Daily Observation when use exceeds 24-hours per event |

# 18. DELETED CONDITIONS:

| Former SC | Justification for removal  |
|-----------|--|
| 16 & 17   | This permit modification removes the hour of operation limit for using natural gas as fuel for DPK #3. |

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## 19. GROUP A INSIGNIFICANT ACTIVITIES:

The following is a list of Insignificant Activities including revisions by this permit.

|                                      | Group A  |                               |                  |                 | Emissio | ns (tpy | )               |      |  |
|--------------------------------------|----------|-------------------------------|------------------|-----------------|---------|---------|-----------------|------|--|
| Source Name                          | Category | PM                            | PM <sub>10</sub> | SO <sub>2</sub> | VOC     | СО      | NO <sub>X</sub> | HAPs |  |
|                                      | g. j     | $  PM   PM_{10}   SO_2   VOC$ | CO               | NOX             | Single  | Total   |                 |      |  |
| Bark storage pile                    | A-13     | 0.95                          | 0.47             |                 |         |         |                 |      |  |
| Sawdust storage pile                 | A-13     | 1.08                          | 0.54             |                 |         |         |                 |      |  |
| Boiler ash (Biochar)<br>storage Pile | A-13     | 1.44                          | 0.72             |                 |         |         |                 |      |  |
| Chip Overflow Pile                   | A-13     | 0.83                          | 0.41             |                 |         |         |                 |      |  |
| Planer Mill Woodwaste storage bin    | A-13     | 0.083                         | 0.007            |                 |         |         |                 |      |  |
| Fuel Storage Silo                    | A-13     | 0.143                         | 0.012            |                 |         |         |                 |      |  |
| Chip Storage Bin                     | A-13     | 0.132                         | 0.013            |                 |         |         |                 |      |  |
| 1,000 Gasoline tank                  | A-13     |                               |                  |                 | 0.67    |         |                 |      |  |
| Parts Washer                         | A-13     |                               |                  |                 | 0.01    |         |                 |      |  |
| Planer Mill Trim<br>Cyclone          | A-13     | 0.27                          | 0.27             |                 |         |         |                 |      |  |
| A-13 Total                           |          | 4.928                         | 2.442            |                 | 0.68    |         |                 |      |  |
| 240 gallon diesel tank               | A-2      |                               |                  |                 | 0.01    |         |                 |      |  |
| 500 gallon diesel tank               | A-3      |                               |                  |                 | 0.01    |         |                 |      |  |
| 1000 gallon diesel tank              | A-3      |                               |                  |                 | 0.01    |         |                 |      |  |
| 1000 gallon diesel tank              | A-3      |                               |                  |                 | 0.01    |         |                 |      |  |

# 20. VOIDED, SUPERSEDED, OR SUBSUMED PERMITS:

The following is a list of all active permits voided/superseded/subsumed by the issuance of this permit.

| Permit #     |  |
|--------------|--|
| 1681-AOP-R15 |  |



Facility Name: Anthony Forest Products Company

Permit Number: 1681-AOP-16

AFIN: 70-00473

| \$/ton factor   | 23.93     | Annual Chargeable Emissions (tpy) | 622.7 |
|---|-----------|-----------------------------------|-------|
| Permit Type   | Minor Mod | Permit Fee \$                     | 500   |
|   |           |                                   |       |
| Minor Modification Fee \$                                       | 500       |                                   |       |
| Minimum Modification Fee \$                                     | 1000      |                                   |       |
| Renewal with Minor Modification \$                              | 500       |                                   |       |
| Check if Facility Holds an Active Minor Source or Minor         | or _      |                                   |       |
| Source General Permit   |           |                                   |       |
| If Hold Active Permit, Amt of Last Annual Air Permit Invoice \$ | 0         |                                   |       |
| Total Permit Fee Chargeable Emissions (tpy)                     | 7.2       |                                   |       |
| Initial Title V Permit Fee Chargeable Emissions (tpy)           |           |                                   |       |

HAPs not included in VOC or PM:

Chlorine, Hydrazine, HCl, HF, Methyl Chloroform, Methylene Chloride, Phosphine, Tetrachloroethylene, Titanium Tetrachloride

Air Contaminants:

All air contaminants are chargeable unless they are included in other totals (e.g., H2SO4 in condensible PM, H2S in TRS, etc.)

| Pollutant (tpy)   | Check if<br>Chargeable<br>Emission | Old Permit | New Permit |     | Permit Fee<br>Chargeable<br>Emissions | Annual<br>Chargeable<br>Emissions |
|-------------------|------------------------------------|------------|------------|-----|---------------------------------------|-----------------------------------|
| PM                |                                    | 63.5       | 63.5       | 0   | 0                                     | 63.5                              |
| $PM_{10}$         |                                    | 28         | 28         | 0   |                                       |                                   |
| PM <sub>2.5</sub> |                                    | 0          | 0          | 0   |                                       |                                   |
| $SO_2$            |                                    | 10.1       | 10.1       | 0   | 0                                     | 10.1                              |
| VOC               |                                    | 456.8      | 456.8      | 0   | 0                                     | 456.8                             |
| со                |                                    | 230.1      | 230.1      | 0   |                                       |                                   |
| $NO_X$            |                                    | 85.1       | 92.3       | 7.2 | 7.2                                   | 92.3                              |
| Lead              |                                    | 1.84E-02   | 1.84E-02   | 0   |                                       |                                   |

| Pollutant (tpy)   | Check if<br>Chargeable<br>Emission | Old Permit | New Permit | Change in Emissions | Permit Fee<br>Chargeable<br>Emissions | Annual<br>Chargeable<br>Emissions |
|-------------------|------------------------------------|------------|------------|---------------------|---------------------------------------|-----------------------------------|
| Acrolein          |                                    | 9.16E-01   | 9.16E-01   | 0                   |                                       |                                   |
| Antimony          |                                    | 3.02E-03   | 3.02E-03   | 0                   |                                       |                                   |
| Arsenic           |                                    | 8.42E-03   | 8.42E-03   | 0                   |                                       |                                   |
| Beryllium         |                                    | 4.21E-04   | 4.21E-04   | 0                   |                                       |                                   |
| Cadmium           |                                    | 1.57E-03   | 1.57E-03   | 0                   |                                       |                                   |
| Chromium          |                                    | 8.04E-03   | 8.04E-03   | 0                   |                                       |                                   |
| Chromium VI       |                                    | 1.33E-03   | 1.33E-03   | 0                   |                                       |                                   |
| Cobalt            |                                    | 2.49E-03   | 2.49E-03   | 0                   |                                       |                                   |
| Manganese         |                                    | 6.12E-01   | 6.12E-01   | 0                   |                                       |                                   |
| Mercury           |                                    | 1.34E-03   | 1.34E-03   | 0                   |                                       |                                   |
| Methanol          |                                    | 19.34      | 19.34      | 0                   |                                       |                                   |
| Pentachlorophenol |                                    | 1.95E-05   | 1.95E-05   | 0                   |                                       |                                   |
| Phosphorus        |                                    | 1.03E-02   | 1.03E-02   | 0                   |                                       |                                   |
| Selenium          |                                    | 1.07E-03   | 1.07E-03   | 0                   |                                       |                                   |
| Formaldehyde      |                                    | 4.83       | 4.83       | 0                   |                                       |                                   |
| Total Other HAPs  |                                    | 18.03      | 18.29      | 0.26                |                                       |                                   |
|                   |                                    | 0          | 0          | 0                   |                                       |                                   |
|                   |                                    | 0          | 0          | 0                   |                                       |                                   |
|                   |                                    | 0          | 0          | 0                   |                                       |                                   |
|                   |                                    | 0          | 0          | 0                   |                                       |                                   |
|                   |                                    | 0          | 0          | 0                   |                                       |                                   |
|                   |                                    | 0          | 0          | 0                   |                                       |                                   |
|                   |                                    | 0          | 0          | 0                   |                                       |                                   |
|                   |                                    | 0          | 0          | 0                   |                                       |                                   |
|                   |                                    | 0          | 0          | 0                   |                                       |                                   |
|                   |                                    | 0          | 0          | 0                   |                                       |                                   |
|                   |                                    | 0          | 0          | 0                   |                                       |                                   |
|                   |                                    | 0          | 0          | 0                   |                                       |                                   |