



January 22, 2016

Ms. Elizabeth Basil
Director, Engineering Services Division
Bureau of Air Quality
SC DHEC
2600 Bull Street
Columbia, South Carolina 29201

**SUBJECT: Vulcan Construction Materials, LLC - Lexington Quarry
Synthetic Minor Construction Permit Application
Supplemental Modeling Demonstration**

Dear Ms. Basil:

Vulcan Construction Materials, LLC submitted a construction permit application on November 20, 2015. After review, DHEC requested that fugitive particulate emissions from paved and unpaved roads and stockpiles be included in the modeling demonstration. This letter presents the information requested and should be added as an addendum to the original application.

MODELING CONSIDERATIONS

The air dispersion modeling analysis was completed using the most recent version of the AERMOD model, version 15181 using BEEST version 11.02 as the operating interface. Building downwash was not considered as there are no significant onsite buildings. The land-use within three kilometers of the facility was determined to be urban for air dispersion modeling purposes. The population of Lexington County (277,888 – 2014 estimate) was obtained from the US Census Bureau Quick Facts webpage. A GEP stack height analysis was not completed as the model calculates cavity impacts as necessary.

The quarry is located in Lexington County, SC; therefore, the meteorological data set for CAE_GSO for years 2002-2006 downloaded from DHEC's website was used for modeling. Per

instructions on DHEC’s website, the Digital Terrain Data, NED files, were used for Lexington County. For the area within the planned mining area, source elevations were extracted from an updated mine map.

Equipment and property line locations are expressed in Universal Transverse Mercator (UTM) Zone 17 (NAD83) coordinates. Figure 4 depicts the facility and emission points in relationship to the property boundaries and the impact receptor grid. Emission sources/equipment locations are shown in Figure 3. Figure 3 has been updated with this letter to show the locations of stockpiles and paved and unpaved roads.

EMISSIONS SOURCES

Equipment at the quarry includes truck unloading, screens, crushers, bins, and conveyors. Sources of emissions were modeled as volume sources as is typical for fugitive dust from this type of equipment at an aggregate facility (per the National Stone, Sand and Gravel Association’s “Modeling Fugitive Dust Sources with AERMOD”, January 2007, hereinafter referred to as “NSSGA document”). The UTM Coordinates for the sources are at the center of the source. The release height for a volume source is the height of the center of the source. The release heights were estimated for the equipment based on anticipated equipment dimensions. The initial lateral dimension (σ_{zy}) and initial vertical dimension (σ_{zo}) for the volume sources were also calculated per suggested procedures in the NSSGA document as summarized below. All sources were considered to be adjacent to a structure for the purposes of this calculation. Complete calculations of model data for the equipment volume sources were included as Table D-1 in Appendix D of the construction permit application.

Equipment	Release Ht	Initial Vertical Dimension (σ_{zo})	Initial Lateral Dimension (σ_{zy})
Truck Unloading	Based on height of transfer	maximum height of unloading divided by 2.15	Width of truck divided by 4.3
Screens	Based on height of transfer	vertical dimension of volume divided by 2.15	Width of screen divided by 4.3
Crushers	Based on height of transfer	vertical dimension of volume divided by 2.15	Width of crusher divided by 4.3
Bins	Based on height of transfer	vertical dimension of volume divided by 2.15	Width of bin divided by 4.3
Conveyors	Based on height of transfer	vertical dimension of volume divided by 4.3	Width of the conveyor divided by 4.3

FUGITIVE EMISSIONS FROM HAUL ROADS

Fugitive emissions from paved and unpaved haul roads were modeled following the Haul Road Workgroup Final Report (December 6, 2011) that was suggested as a “best practices guide” in EPA’s memorandum dated March 2, 2012. The general recommendation in the Final Report is to model all haul roads as series of adjacent volume sources based on the haul truck dimensions. Model data for the volume sources is determined as follows:

$$\text{Top of Plume Height} = 1.7 \times \text{Vehicle Height}$$

$$\text{Volume Source Release Height} = 0.5 \times \text{Top of Plume Height}$$

$$\text{Width of Plume} = \text{Width of Road} + 6 \text{ m (two lane road)}$$

$$\text{Initial Sigma Z} = \text{Top of Plume} / 2.15$$

$$\text{Initial Sigma Y} = \text{Width of Plume} / 2.15$$

Emissions from paved and unpaved roads were represented as a series of volume sources based on the haul truck dimensions. The total number of volume sources for each road was determined by dividing the length of the road by the Width of Plume.

The elevation of the volume sources for the unpaved quarry road was estimated assuming a constant slope from the highest point to the lowest point in the quarry. The customer roads were assumed to be at the same elevation as the Feed Bins.

The total fugitive emission rate (as presented in the December 16, 2015 letter to DHEC) for each road was divided by the number of volume sources to determine the emissions for each volume source.

Complete calculations of model data for the fugitive road volume sources are included as Table S-1, attached to this letter.

FUGITIVE EMISSIONS FROM STOCKPILES

Fugitive emissions from stockpiles were modeled as circular area sources as is typical for fugitive dust from stockpiles at an aggregate facility per the NSSGA document. The stockpiles were each modeled individually. The UTM Coordinates for the sources are at the center of the stockpiles. The release height is estimated to be half of the average height of the storage pile. The initial vertical dimension (σ_{z0}) for the area sources is calculated to be the average pile height divided by 4.3.

Complete calculations of model data for the stockpile area sources are included as Table S-2, attached to this letter.

RECEPTORS

The receptor grid was set up as a “Special Grid” in BEEST. A Fenceline grid was created at 50 m spacing. Then the grid receptors were created using the Distance Method with Spacing of 100 m and a Grid Distance of 1,500 m. Analysis of modeling results shows that the maximum modeled concentration occurs within this receptor grid.

PARTICULATE MATTER MODELING RESULTS FOR STANDARD 2

Modeling results summary files for particulate emissions are included as Table S-3 for Standard 2. To demonstrate compliance with Standard 2, the maximum modeled impact using 5 years of NWS meteorological data was added to the background data and compared to the NAAQS for criteria pollutants. Background levels for criteria pollutants were obtained from DHEC’s “Background Data for Modeling Purposes” spreadsheet available on DHEC’s website and updated 9/9/2015. The background sites used for each pollutant are documented on Table S-3.

Per Section 2.1.6.2 of EPA’s Addendum to the AERMOD User’s Guide (EPA-454/B-03-001) dated June 2015, modeling demonstrations for the PM₁₀ NAAQS (SC Standard 2) are based on the High 6th High value over five years of meteorological data for the 24-hour PM₁₀ concentration. The AERMOD model was run using a single five year meteorological data file.

Per Section 2.1.6.1 of EPA’s Addendum to the AERMOD User’s Guide (EPA-454/B-03-001) dated June 2015, modeling demonstrations for the PM_{2.5} NAAQS (SC Standard 2) 24-hour and annual modeled contributions are based on the highest of the multi-year average of the first high concentrations at each receptor, using five years of meteorological data. In AERMOD, the special processing for the 24-hour and annual averages for PM_{2.5} was triggered by using “PM25” as the pollutant ID. The model was run using the MULTYEAR option with single year met files.

Modeling results demonstrate that the facility is in compliance with Standard 2.

OTHER MODELING RESULTS

Modeling for other criteria pollutants to demonstrate compliance with Standard 2 and Standard 7 increment analysis were submitted with the construction permit application on November 20, 2015. The modeling files and results for these pollutants have not changed from that transmittal.

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Please contact John Aultman or me if you have any additional questions or concerns with regard to this application.

Sincerely,
SYNTERRA

A handwritten signature in black ink that reads "Andrea Kehn". The signature is written in a cursive, flowing style.

Andrea Kehn, PE
Project Engineer

Cc: John Aultman, Vulcan Construction Materials

Attachments:

Table S-1
Table S-2
Table S-3
Figure 3
Form D-2573
Modeling Files on CD

Table S-1

Vulcan Construction Materials, LLC - Lexington Quarry

TABLE S-1 - ROADS VOLUME SOURCE PARAMETERS

Source ID	Source Description	Easting (X) (m)	Northing (Y) (m)	Base Elevation (m)	Release Height (m)	Horizontal Dimension σ_y (m)	Vertical Dimension σ_z (m)	Controlled Emission Rate PM 10 (lbs/hr)	Controlled Emission Rate PM 2.5 (lbs/hr)
HR1_0001	Quarry Haul Road-unpaved	456913.43	3756388.03	158.496	5	11.63	4.82	0.3077	0.0308
HR1_0002	Quarry Haul Road-unpaved	456931.48	3756405.72	157.089	5	11.63	4.82	0.3077	0.0308
HR1_0003	Quarry Haul Road-unpaved	456949.54	3756423.42	155.682	5	11.63	4.82	0.3077	0.0308
HR1_0004	Quarry Haul Road-unpaved	456950.69	3756445.88	154.276	5	11.63	4.82	0.3077	0.0308
HR1_0005	Quarry Haul Road-unpaved	456934.20	3756455.82	152.869	5	11.63	4.82	0.3077	0.0308
HR1_0006	Quarry Haul Road-unpaved	456911.02	3756449.77	151.462	5	11.63	4.82	0.3077	0.0308
HR1_0007	Quarry Haul Road-unpaved	456894.97	3756430.24	150.055	5	11.63	4.82	0.3077	0.0308
HR1_0008	Quarry Haul Road-unpaved	456878.92	3756410.72	148.649	5	11.63	4.82	0.3077	0.0308
HR1_0009	Quarry Haul Road-unpaved	456862.86	3756391.19	147.242	5	11.63	4.82	0.3077	0.0308
HR1_0010	Quarry Haul Road-unpaved	456853.83	3756369.15	145.835	5	11.63	4.82	0.3077	0.0308
HR1_0011	Quarry Haul Road-unpaved	456853.26	3756344.06	144.428	5	11.63	4.82	0.3077	0.0308
HR1_0012	Quarry Haul Road-unpaved	456836.55	3756326.25	143.022	5	11.63	4.82	0.3077	0.0308
HR1_0013	Quarry Haul Road-unpaved	456811.42	3756323.54	141.615	5	11.63	4.82	0.3077	0.0308
HR1_0014	Quarry Haul Road-unpaved	456786.28	3756320.83	140.208	5	11.63	4.82	0.3077	0.0308
HR1_0015	Quarry Haul Road-unpaved	456761.15	3756318.12	138.801	5	11.63	4.82	0.3077	0.0308
HR1_0016	Quarry Haul Road-unpaved	456736.04	3756315.32	137.394	5	11.63	4.82	0.3077	0.0308
HR1_0017	Quarry Haul Road-unpaved	456711.90	3756307.81	135.988	5	11.63	4.82	0.3077	0.0308
HR1_0018	Quarry Haul Road-unpaved	456687.97	3756302.81	134.581	5	11.63	4.82	0.3077	0.0308
HR1_0019	Quarry Haul Road-unpaved	456666.98	3756314.93	133.174	5	11.63	4.82	0.3077	0.0308
HR1_0020	Quarry Haul Road-unpaved	456671.42	3756339.81	131.767	5	11.63	4.82	0.3077	0.0308
HR1_0021	Quarry Haul Road-unpaved	456686.28	3756359.99	130.361	5	11.63	4.82	0.3077	0.0308
HR1_0022	Quarry Haul Road-unpaved	456702.02	3756379.77	128.954	5	11.63	4.82	0.3077	0.0308
HR1_0023	Quarry Haul Road-unpaved	456711.38	3756401.83	127.547	5	11.63	4.82	0.3077	0.0308
HR1_0024	Quarry Haul Road-unpaved	456711.77	3756427.11	126.140	5	11.63	4.82	0.3077	0.0308
HR1_0025	Quarry Haul Road-unpaved	456712.16	3756452.38	124.734	5	11.63	4.82	0.3077	0.0308
HR1_0026	Quarry Haul Road-unpaved	456712.56	3756477.65	123.327	5	11.63	4.82	0.3077	0.0308
HR1_0027	Quarry Haul Road-unpaved	456712.95	3756502.93	121.920	5	11.63	4.82	0.3077	0.0308
HR1_0028	Quarry Haul Road-unpaved	456713.34	3756528.20	120.513	5	11.63	4.82	0.3077	0.0308
HR1_0029	Quarry Haul Road-unpaved	456713.74	3756553.48	119.106	5	11.63	4.82	0.3077	0.0308
HR1_0030	Quarry Haul Road-unpaved	456714.13	3756578.75	117.700	5	11.63	4.82	0.3077	0.0308
HR1_0031	Quarry Haul Road-unpaved	456728.77	3756596.30	116.293	5	11.63	4.82	0.3077	0.0308
HR1_0032	Quarry Haul Road-unpaved	456749.74	3756610.41	114.886	5	11.63	4.82	0.3077	0.0308
HR1_0033	Quarry Haul Road-unpaved	456770.72	3756624.52	113.479	5	11.63	4.82	0.3077	0.0308
HR1_0034	Quarry Haul Road-unpaved	456791.69	3756638.63	112.073	5	11.63	4.82	0.3077	0.0308
HR1_0035	Quarry Haul Road-unpaved	456812.66	3756652.74	110.666	5	11.63	4.82	0.3077	0.0308
HR1_0036	Quarry Haul Road-unpaved	456831.26	3756669.31	109.259	5	11.63	4.82	0.3077	0.0308
HR1_0037	Quarry Haul Road-unpaved	456846.10	3756689.77	107.852	5	11.63	4.82	0.3077	0.0308
HR1_0038	Quarry Haul Road-unpaved	456865.22	3756701.92	106.446	5	11.63	4.82	0.3077	0.0308
HR1_0039	Quarry Haul Road-unpaved	456890.50	3756702.14	105.039	5	11.63	4.82	0.3077	0.0308

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HR1_0040	Quarry Haul Road-unpaved	456915.77	3756702.35	103.632	5	11.63	4.82	0.3077	0.0308
HR1_0041	Quarry Haul Road-unpaved	456941.05	3756702.57	102.225	5	11.63	4.82	0.3077	0.0308
HR1_0042	Quarry Haul Road-unpaved	456966.33	3756702.78	100.818	5	11.63	4.82	0.3077	0.0308
HR1_0043	Quarry Haul Road-unpaved	456988.51	3756692.93	99.412	5	11.63	4.82	0.3077	0.0308
HR1_0044	Quarry Haul Road-unpaved	456998.78	3756674.07	98.005	5	11.63	4.82	0.3077	0.0308
HR1_0045	Quarry Haul Road-unpaved	456994.73	3756649.12	96.598	5	11.63	4.82	0.3077	0.0308
HR1_0046	Quarry Haul Road-unpaved	456990.68	3756624.17	95.191	5	11.63	4.82	0.3077	0.0308
HR1_0047	Quarry Haul Road-unpaved	456986.64	3756599.22	93.785	5	11.63	4.82	0.3077	0.0308
HR1_0048	Quarry Haul Road-unpaved	456982.59	3756574.26	92.378	5	11.63	4.82	0.3077	0.0308
HR1_0049	Quarry Haul Road-unpaved	456961.25	3756562.21	90.971	5	11.63	4.82	0.3077	0.0308
HR1_0050	Quarry Haul Road-unpaved	456938.49	3756551.21	89.564	5	11.63	4.82	0.3077	0.0308
HR1_0051	Quarry Haul Road-unpaved	456915.73	3756540.21	88.158	5	11.63	4.82	0.3077	0.0308
HR1_0052	Quarry Haul Road-unpaved	456892.97	3756529.21	86.751	5	11.63	4.82	0.3077	0.0308
HR1_0053	Quarry Haul Road-unpaved	456870.21	3756518.22	85.344	5	11.63	4.82	0.3077	0.0308
HR1_0054	Quarry Haul Road-unpaved	456847.45	3756507.22	83.937	5	11.63	4.82	0.3077	0.0308
HR1_0055	Quarry Haul Road-unpaved	456826.58	3756493.76	82.530	5	11.63	4.82	0.3077	0.0308
HR1_0056	Quarry Haul Road-unpaved	456808.92	3756478.07	81.124	5	11.63	4.82	0.3077	0.0308
HR1_0057	Quarry Haul Road-unpaved	456784.27	3756483.64	79.717	5	11.63	4.82	0.3077	0.0308
HR1_0058	Quarry Haul Road-unpaved	456780.69	3756506.31	78.310	5	11.63	4.82	0.3077	0.0308
HR1_0059	Quarry Haul Road-unpaved	456780.32	3756531.58	76.903	5	11.63	4.82	0.3077	0.0308
HR1_0060	Quarry Haul Road-unpaved	456782.13	3756555.81	75.497	5	11.63	4.82	0.3077	0.0308
HR1_0061	Quarry Haul Road-unpaved	456802.15	3756571.24	74.090	5	11.63	4.82	0.3077	0.0308
HR1_0062	Quarry Haul Road-unpaved	456822.17	3756586.66	72.683	5	11.63	4.82	0.3077	0.0308
HR1_0063	Quarry Haul Road-unpaved	456842.26	3756601.98	71.276	5	11.63	4.82	0.3077	0.0308
HR1_0064	Quarry Haul Road-unpaved	456864.93	3756613.17	69.870	5	11.63	4.82	0.3077	0.0308
HR1_0065	Quarry Haul Road-unpaved	456887.60	3756624.36	68.463	5	11.63	4.82	0.3077	0.0308
HR1_0066	Quarry Haul Road-unpaved	456910.26	3756635.55	67.056	5	11.63	4.82	0.3077	0.0308
CRP_0001	Customer Road-paved	457585.30	3755570.42	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0002	Customer Road-paved	457579.25	3755582.53	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0003	Customer Road-paved	457575.04	3755595.08	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0004	Customer Road-paved	457575.04	3755608.61	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0005	Customer Road-paved	457575.04	3755622.15	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0006	Customer Road-paved	457575.04	3755635.69	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0007	Customer Road-paved	457575.04	3755649.23	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0008	Customer Road-paved	457575.04	3755662.76	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0009	Customer Road-paved	457575.04	3755676.30	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0010	Customer Road-paved	457575.04	3755689.84	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0011	Customer Road-paved	457571.24	3755702.42	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0012	Customer Road-paved	457564.82	3755714.34	185.928	3	6.51	2.84	0.0077	0.0019

Vulcan Construction Materials, LLC - Lexington Quarry

TABLE S-1 - ROADS VOLUME SOURCE PARAMETERS

Source ID	Source Description	Easting (X) (m)	Northing (Y) (m)	Base Elevation (m)	Release Height (m)	Horizontal Dimension σ_y (m)	Vertical Dimension σ_z (m)	Controlled Emission Rate PM 10 (lbs/hr)	Controlled Emission Rate PM 2.5 (lbs/hr)
CRP_0013	Customer Road-paved	457558.40	3755726.26	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0014	Customer Road-paved	457551.99	3755738.18	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0015	Customer Road-paved	457545.57	3755750.10	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0016	Customer Road-paved	457539.15	3755762.02	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0017	Customer Road-paved	457532.73	3755773.93	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0018	Customer Road-paved	457526.31	3755785.85	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0019	Customer Road-paved	457519.90	3755797.77	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0020	Customer Road-paved	457513.48	3755809.69	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0021	Customer Road-paved	457507.06	3755821.61	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0022	Customer Road-paved	457500.64	3755833.53	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0023	Customer Road-paved	457494.22	3755845.45	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0024	Customer Road-paved	457487.80	3755857.37	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0025	Customer Road-paved	457481.39	3755869.29	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0026	Customer Road-paved	457474.97	3755881.21	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0027	Customer Road-paved	457468.55	3755893.13	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0028	Customer Road-paved	457462.13	3755905.05	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0029	Customer Road-paved	457455.71	3755916.97	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0030	Customer Road-paved	457449.30	3755928.89	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0031	Customer Road-paved	457442.88	3755940.81	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0032	Customer Road-paved	457436.46	3755952.73	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0033	Customer Road-paved	457430.04	3755964.64	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0034	Customer Road-paved	457423.62	3755976.56	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0035	Customer Road-paved	457417.21	3755988.48	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0036	Customer Road-paved	457410.79	3756000.40	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0037	Customer Road-paved	457404.37	3756012.32	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0038	Customer Road-paved	457397.95	3756024.24	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0039	Customer Road-paved	457391.53	3756036.16	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0040	Customer Road-paved	457385.12	3756048.08	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0041	Customer Road-paved	457378.70	3756060.00	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0042	Customer Road-paved	457375.71	3756072.78	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0043	Customer Road-paved	457375.71	3756086.32	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0044	Customer Road-paved	457375.71	3756099.86	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0045	Customer Road-paved	457375.71	3756113.40	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0046	Customer Road-paved	457375.71	3756126.93	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0047	Customer Road-paved	457375.71	3756140.47	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0048	Customer Road-paved	457375.71	3756154.01	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0049	Customer Road-paved	457378.71	3756166.58	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0050	Customer Road-paved	457386.58	3756177.60	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0051	Customer Road-paved	457394.45	3756188.61	185.928	3	6.51	2.84	0.0077	0.0019

Vulcan Construction Materials, LLC - Lexington Quarry

TABLE S-1 - ROADS VOLUME SOURCE PARAMETERS

Source ID	Source Description	Easting (X) (m)	Northing (Y) (m)	Base Elevation (m)	Release Height (m)	Horizontal Dimension σ_y (m)	Vertical Dimension σ_z (m)	Controlled Emission Rate PM 10 (lbs/hr)	Controlled Emission Rate PM 2.5 (lbs/hr)
CRP_0052	Customer Road-paved	457402.32	3756199.63	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0053	Customer Road-paved	457410.19	3756210.65	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0054	Customer Road-paved	457418.05	3756221.66	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0055	Customer Road-paved	457427.60	3756230.50	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0056	Customer Road-paved	457440.26	3756235.29	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0057	Customer Road-paved	457452.92	3756240.08	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0058	Customer Road-paved	457465.59	3756244.87	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0059	Customer Road-paved	457478.25	3756249.66	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0060	Customer Road-paved	457490.91	3756254.45	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0061	Customer Road-paved	457503.91	3756258.18	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0062	Customer Road-paved	457516.99	3756261.65	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0063	Customer Road-paved	457530.08	3756265.13	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0064	Customer Road-paved	457543.16	3756268.60	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0065	Customer Road-paved	457556.25	3756272.07	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0066	Customer Road-paved	457569.33	3756275.54	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0067	Customer Road-paved	457582.42	3756279.01	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0068	Customer Road-paved	457594.42	3756285.01	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0069	Customer Road-paved	457605.93	3756292.12	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0070	Customer Road-paved	457617.45	3756299.24	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0071	Customer Road-paved	457628.97	3756306.35	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0072	Customer Road-paved	457640.49	3756313.46	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0073	Customer Road-paved	457651.18	3756321.13	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0074	Customer Road-paved	457653.40	3756334.49	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0075	Customer Road-paved	457650.33	3756345.39	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0076	Customer Road-paved	457638.72	3756352.36	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0077	Customer Road-paved	457627.11	3756359.32	185.928	3	6.51	2.84	0.0077	0.0019
CRP_0078	Customer Road-paved	457613.95	3756362.28	185.928	3	6.51	2.84	0.0077	0.0019
CRU_0001	Customer Road-unpaved	457596.54	3756368.40	185.928	3	6.51	2.84	0.1768	0.0177
CRU_0002	Customer Road-unpaved	457574.98	3756377.98	185.928	3	6.51	2.84	0.1768	0.0177
CRU_0003	Customer Road-unpaved	457574.28	3756400.35	185.928	3	6.51	2.84	0.1768	0.0177
CRU_0004	Customer Road-unpaved	457569.38	3756421.93	185.928	3	6.51	2.84	0.1768	0.0177
CRU_0005	Customer Road-unpaved	457554.65	3756440.36	185.928	3	6.51	2.84	0.1768	0.0177
CRU_0006	Customer Road-unpaved	457532.53	3756444.50	185.928	3	6.51	2.84	0.1768	0.0177
CRU_0007	Customer Road-unpaved	457510.12	3756440.31	185.928	3	6.51	2.84	0.1768	0.0177
CRU_0008	Customer Road-unpaved	457489.02	3756429.76	185.928	3	6.51	2.84	0.1768	0.0177
CRU_0009	Customer Road-unpaved	457470.39	3756417.54	185.928	3	6.51	2.84	0.1768	0.0177
CRU_0010	Customer Road-unpaved	457470.40	3756395.05	185.928	3	6.51	2.84	0.1768	0.0177
CRU_0011	Customer Road-unpaved	457491.50	3756384.50	185.928	3	6.51	2.84	0.1768	0.0177
CRU_0012	Customer Road-unpaved	457514.18	3756380.31	185.928	3	6.51	2.84	0.1768	0.0177

Vulcan Construction Materials, LLC - Lexington Quarry

TABLE S-1 - ROADS VOLUME SOURCE PARAMETERS

Source ID	Source Description	Easting (X) (m)	Northing (Y) (m)	Base Elevation (m)	Release Height (m)	Horizontal Dimension σ_y (m)	Vertical Dimension σ_z (m)	Controlled Emission Rate PM 10 (lbs/hr)	Controlled Emission Rate PM 2.5 (lbs/hr)
CRU_0013	Customer Road-unpaved	457537.77	3756379.70	185.928	3	6.51	2.84	0.1768	0.0177
CRU_0014	Customer Road-unpaved	457561.35	3756379.10	185.928	3	6.51	2.84	0.1768	0.0177
CSP_0001	Customer Road Short-paved	457557.21	3756276.60	185.928	3	6.51	2.84	0.0069	0.0017
CSP_0002	Customer Road Short-paved	457550.45	3756283.57	185.928	3	6.51	2.84	0.0069	0.0017
CSP_0003	Customer Road Short-paved	457543.69	3756290.53	185.928	3	6.51	2.84	0.0069	0.0017
CSU_0001	Customer Road Short-unpaved	457538.92	3756304.17	185.928	3	6.51	2.84	0.2290	0.02290
CSU_0002	Customer Road Short-unpaved	457533.69	3756324.46	185.928	3	6.51	2.84	0.2290	0.02290

Elevation Calculations

Haul Road 1

top elevation	520	ft	158.496	m
bottom elevation	220	ft	67.056	m
slope	5.5	%		
number of volume sources minus 1	65			
elevation diff.	91.44	m		
elevation diff per source	1.41	m		

Customer Road

elevation	610	ft	185.928	m	same as the Feed Bins
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Table S-2

Table S-3

TABLE S-3 - SUMMATION OF MODELED IMPACTS (STANDARD 2)

Vulcan Construction Materials, LLC - Lexington Quarry

Pollutant	2002 Modeled Impact ($\mu\text{g}/\text{m}^3$)	2003 Modeled Impact ($\mu\text{g}/\text{m}^3$)	2004 Modeled Impact ($\mu\text{g}/\text{m}^3$)	2005 Modeled Impact ($\mu\text{g}/\text{m}^3$)	2006 Modeled Impact ($\mu\text{g}/\text{m}^3$)	Background ⁴ ($\mu\text{g}/\text{m}^3$)	Total Impact ($\mu\text{g}/\text{m}^3$)	Standard ($\mu\text{g}/\text{m}^3$)	PASS?
PM ₁₀ 24-hr ¹	77.29					38	115.29	150	YES
PM _{2.5} 24-hr ²	11.26	8.74	13.50	10.87	10.46	20	33.50	35	YES
PM _{2.5} Annual ³	2.19	1.98	2.23	2.26	2.14	9.7	11.96	12	YES

The PM₁₀ 24-hr modeled impact is the maximum average high-6th-high 24-hr result over 5 years

The PM_{2.5} 24-hr modeled impact is the maximum average high 24-hr result over 5 years

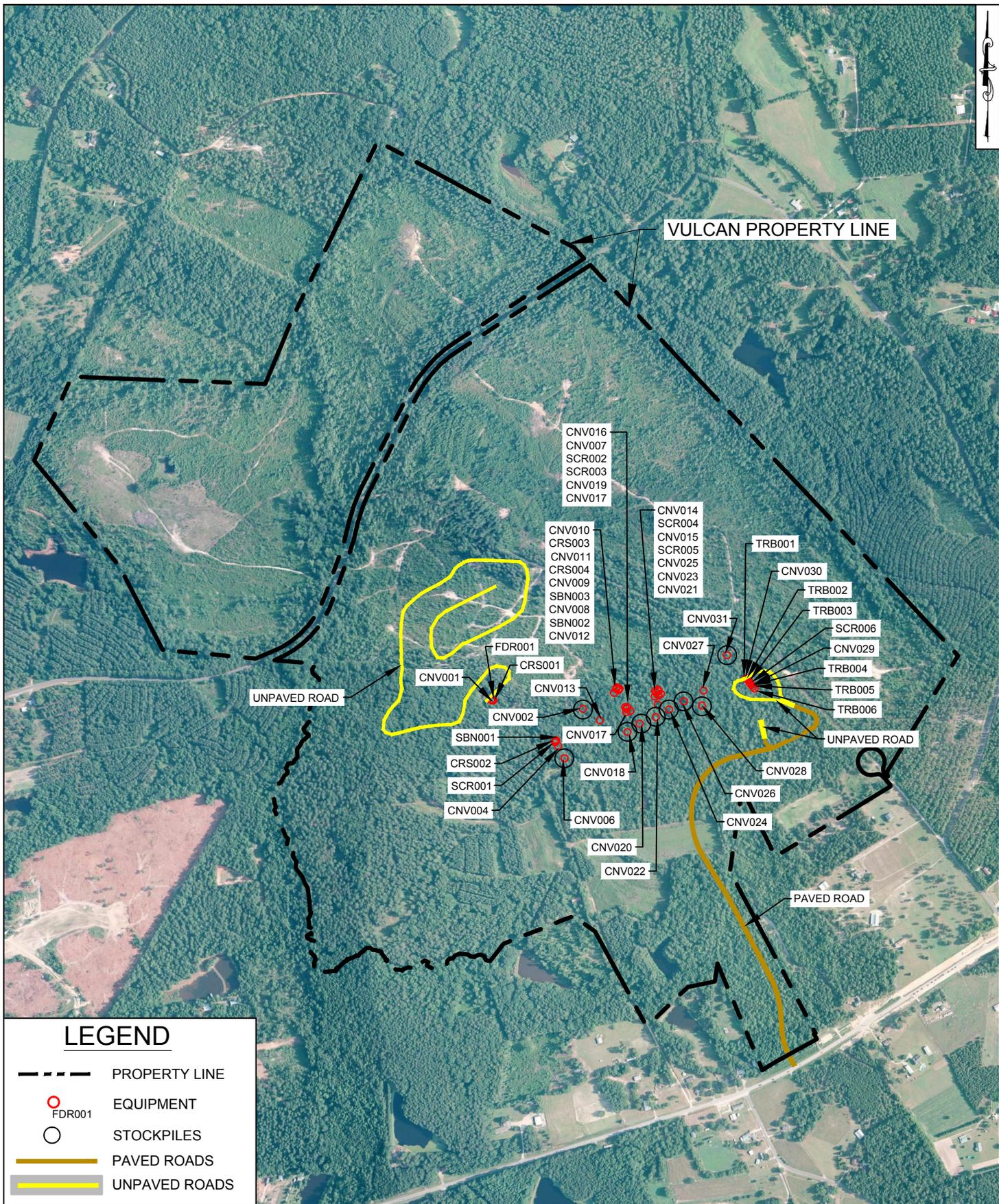
The PM_{2.5} annual modeled impact is the maximum average high annual result over 5 years

Background concentrations for pollutants obtained from "SC DHEC BACKGROUND CONCENTRATIONS FOR MODELING PURPOSES" spreadsheet updated 9/9/2015

PM₁₀ used Bates House site in Columbia.

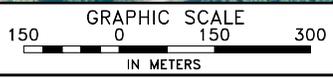
PM_{2.5} used Irmo site in Lexington, Co.

Figure 3



LEGEND

- PROPERTY LINE
- FDR001 EQUIPMENT
- STOCKPILES
- PAVED ROADS
- UNPAVED ROADS



148 RIVER STREET, SUITE 220
 GREENVILLE, SOUTH CAROLINA 29601
 PHONE 864-421-9999
 www.synterracorp.com

DRAWN BY: C. NEWELL DATE: 11/11/2015
 PROJECT MANAGER: A. KEHN
 LAYOUT: FIGURE 3

**FIGURE 3
 EQUIPMENT LOCATIONS
 VULCAN MATERIALS COMPANY
 LEXINGTON QUARRY
 LEESVILLE, SOUTH CAROLINA**



Form D-2573



**Bureau of Air Quality
Emission Point Information
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A. APPLICATION IDENTIFICATION

1. Facility Name: Vulcan Construction Material, LLC (Lexington Quarry)	
2. SC Air Permit Number (if known; 8-digits only): -	3. Application Date: January 22, 2016 **only sources added since November 2015 are included on this form.
4. Project Description: Vulcan plans to install equipment for a 1,700 ton per hour aggregate mining quarry.	

B. FACILITY INFORMATION

1. Is your company a Small Business? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. If a Small Business or small government facility, is Bureau assistance being requested? <input type="checkbox"/> Yes <input type="checkbox"/> No
3. Are other facilities collocated for air compliance? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. If Yes, provide permit numbers of collocated facilities:

C. AIR CONTACT

Consulting Firm Name (if applicable): SynTerra			
Title/Position: Project Engineer	Salutation: Ms.	First Name: Andrea	Last Name: Kehn
Mailing Address: 148 River St., Suite 220			
City: Greenville	State: SC	Zip Code: 29601	
E-mail Address: akehrn@synterracorp.com	Phone No.: 864-527-4636	Cell No.: N/A	

D. EMISSION POINT DISPERSION PARAMETERS

Source data requirements are based on the appropriate source classification. Each emission point is classified as a point, area, volume, or flare source. Contact the Bureau of Air Quality for clarification of data requirements. Include sources on a scaled site map. Also, a picture of area or volume sources would be helpful but is not required. A user generated document or spreadsheet may be substituted in lieu of this form provided all of the required emission point parameters are submitted in the same order, units, etc. as presented in these tables.

Abbreviations / Units of Measure: UTM = Universal Transverse Mercator; °N = Degrees North; °W = Degrees West; m = meters; AGL = Above Ground Level; ft = feet; ft/s = feet per second; ° = Degrees; °F = Degrees Fahrenheit



Bureau of Air Quality
Emission Point Information
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E. POINT SOURCE DATA

(Point sources such as stacks, chimneys, exhaust fans, and vents.)

Emission Point ID	Description/Name	Point Source Coordinates Projection:				Release Height AGL (ft)	Temp. (°F)	Exit Velocity (ft/s)	Inside Diameter (ft)	Discharge Orientation	Rain Cap? (Y/N)	Distance To Nearest Property Boundary (ft)	Building		
		UTM E (m)	UTM N (m)	Lat (°N)	Long (°W)								Height (ft)	Length (ft)	Width (ft)

F. AREA SOURCE DATA

(Area sources such as storage piles, and other sources that have low level or ground level releases with no plumes.)

Emission Point ID	Description/Name	Area Source Coordinates Projection:				Release Height AGL (ft)	Easterly Length (ft)	Northerly Length (ft)	Angle From North (°)	Distance To Nearest Property Boundary (ft)
		UTM E (m)	UTM N (m)	Lat (°N)	Long (°W)					

G. VOLUME SOURCE DATA

(Volume sources such as building fugitives that have initial dispersion vertical depth prior to release.)

Emission Point ID	Description/Name	Volume Source Coordinates Projection: NAD83				Release Height AGL (m)	Initial Horizontal Dimension (m)	Initial Vertical Dimension (m)	Distance To Nearest Property Boundary (ft)
		UTM E (m)	UTM N (m)	Lat (°N)	Long (°W)				
HR1_0001		456913.43	3756388.03			5	11.63	4.82	See modeling file for details.
HR1_0002		456931.48	3756405.72			5	11.63	4.82	See modeling file for details.
HR1_0003		456949.54	3756423.42			5	11.63	4.82	See modeling file for details.
HR1_0004		456950.69	3756445.88			5	11.63	4.82	See modeling file for details.
HR1_0005		456934.20	3756455.82			5	11.63	4.82	See modeling file for details.
HR1_0006		456911.02	3756449.77			5	11.63	4.82	See modeling file for details.
HR1_0007		456894.97	3756430.24			5	11.63	4.82	See modeling file for details.



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G. VOLUME SOURCE DATA

(Volume sources such as building fugitives that have initial dispersion vertical depth prior to release.)

Emission Point ID	Description/Name	Volume Source Coordinates Projection: NAD83				Release Height AGL (m)	Initial Horizontal Dimension (m)	Initial Vertical Dimension (m)	Distance To Nearest Property Boundary (ft)
		UTM E (m)	UTM N (m)	Lat (°N)	Long (°W)				
HR1_0008		456878.92	3756410.72			5	11.63	4.82	See modeling file for details.
HR1_0009		456862.86	3756391.19			5	11.63	4.82	See modeling file for details.
HR1_0010		456853.83	3756369.15			5	11.63	4.82	See modeling file for details.
HR1_0011		456853.26	3756344.06			5	11.63	4.82	See modeling file for details.
HR1_0012		456836.55	3756326.25			5	11.63	4.82	See modeling file for details.
HR1_0013		456811.42	3756323.54			5	11.63	4.82	See modeling file for details.
HR1_0014		456786.28	3756320.83			5	11.63	4.82	See modeling file for details.
HR1_0015		456761.15	3756318.12			5	11.63	4.82	See modeling file for details.
HR1_0016		456736.04	3756315.32			5	11.63	4.82	See modeling file for details.
HR1_0017		456711.90	3756307.81			5	11.63	4.82	See modeling file for details.
HR1_0018		456687.97	3756302.81			5	11.63	4.82	See modeling file for details.
HR1_0019		456666.98	3756314.93			5	11.63	4.82	See modeling file for details.
HR1_0020		456671.42	3756339.81			5	11.63	4.82	See modeling file for details.
HR1_0021		456686.28	3756359.99			5	11.63	4.82	See modeling file for details.
HR1_0022		456702.02	3756379.77			5	11.63	4.82	See modeling file for details.
HR1_0023		456711.38	3756401.83			5	11.63	4.82	See modeling file for details.
HR1_0024		456711.77	3756427.11			5	11.63	4.82	See modeling file for details.
HR1_0025		456712.16	3756452.38			5	11.63	4.82	See modeling file for details.
HR1_0026		456712.56	3756477.65			5	11.63	4.82	See modeling file for details.
HR1_0027		456712.95	3756502.93			5	11.63	4.82	See modeling file for details.



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G. VOLUME SOURCE DATA

(Volume sources such as building fugitives that have initial dispersion vertical depth prior to release.)

Emission Point ID	Description/Name	Volume Source Coordinates Projection: NAD83				Release Height AGL (m)	Initial Horizontal Dimension (m)	Initial Vertical Dimension (m)	Distance To Nearest Property Boundary (ft)
		UTM E (m)	UTM N (m)	Lat (°N)	Long (°W)				
HR1_0028		456713.34	3756528.20			5	11.63	4.82	See modeling file for details.
HR1_0029		456713.74	3756553.48			5	11.63	4.82	See modeling file for details.
HR1_0030		456714.13	3756578.75			5	11.63	4.82	See modeling file for details.
HR1_0031		456728.77	3756596.30			5	11.63	4.82	See modeling file for details.
HR1_0032		456749.74	3756610.41			5	11.63	4.82	See modeling file for details.
HR1_0033		456770.72	3756624.52			5	11.63	4.82	See modeling file for details.
HR1_0034		456791.69	3756638.63			5	11.63	4.82	See modeling file for details.
HR1_0035		456812.66	3756652.74			5	11.63	4.82	See modeling file for details.
HR1_0036		456831.26	3756669.31			5	11.63	4.82	See modeling file for details.
HR1_0037		456846.10	3756689.77			5	11.63	4.82	See modeling file for details.
HR1_0038		456865.22	3756701.92			5	11.63	4.82	See modeling file for details.
HR1_0039		456890.50	3756702.14			5	11.63	4.82	See modeling file for details.
HR1_0040		456915.77	3756702.35			5	11.63	4.82	See modeling file for details.
HR1_0041		456941.05	3756702.57			5	11.63	4.82	See modeling file for details.
HR1_0042		456966.33	3756702.78			5	11.63	4.82	See modeling file for details.
HR1_0043		456988.51	3756692.93			5	11.63	4.82	See modeling file for details.
HR1_0044		456998.78	3756674.07			5	11.63	4.82	See modeling file for details.
HR1_0045		456994.73	3756649.12			5	11.63	4.82	See modeling file for details.
HR1_0046		456990.68	3756624.17			5	11.63	4.82	See modeling file for details.
HR1_0047		456986.64	3756599.22			5	11.63	4.82	See modeling file for details.



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G. VOLUME SOURCE DATA

(Volume sources such as building fugitives that have initial dispersion vertical depth prior to release.)

Emission Point ID	Description/Name	Volume Source Coordinates Projection: NAD83				Release Height AGL (m)	Initial Horizontal Dimension (m)	Initial Vertical Dimension (m)	Distance To Nearest Property Boundary (ft)
		UTM E (m)	UTM N (m)	Lat (°N)	Long (°W)				
HR1_0048		456982.59	3756574.26			5	11.63	4.82	See modeling file for details.
HR1_0049		456961.25	3756562.21			5	11.63	4.82	See modeling file for details.
HR1_0050		456938.49	3756551.21			5	11.63	4.82	See modeling file for details.
HR1_0051		456915.73	3756540.21			5	11.63	4.82	See modeling file for details.
HR1_0052		456892.97	3756529.21			5	11.63	4.82	See modeling file for details.
HR1_0053		456870.21	3756518.22			5	11.63	4.82	See modeling file for details.
HR1_0054		456847.45	3756507.22			5	11.63	4.82	See modeling file for details.
HR1_0055		456826.58	3756493.76			5	11.63	4.82	See modeling file for details.
HR1_0056		456808.92	3756478.07			5	11.63	4.82	See modeling file for details.
HR1_0057		456784.27	3756483.64			5	11.63	4.82	See modeling file for details.
HR1_0058		456780.69	3756506.31			5	11.63	4.82	See modeling file for details.
HR1_0059		456780.32	3756531.58			5	11.63	4.82	See modeling file for details.
HR1_0060		456782.13	3756555.81			5	11.63	4.82	See modeling file for details.
HR1_0061		456802.15	3756571.24			5	11.63	4.82	See modeling file for details.
HR1_0062		456822.17	3756586.66			5	11.63	4.82	See modeling file for details.
HR1_0063		456842.26	3756601.98			5	11.63	4.82	See modeling file for details.
HR1_0064		456864.93	3756613.17			5	11.63	4.82	See modeling file for details.
HR1_0065		456887.60	3756624.36			5	11.63	4.82	See modeling file for details.
HR1_0066		456910.26	3756635.55			5	11.63	4.82	See modeling file for details.
CRP_0001		457585.30	3755570.42			3	6.51	2.84	See modeling file for details.



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G. VOLUME SOURCE DATA

(Volume sources such as building fugitives that have initial dispersion vertical depth prior to release.)

Emission Point ID	Description/Name	Volume Source Coordinates Projection: NAD83				Release Height AGL (m)	Initial Horizontal Dimension (m)	Initial Vertical Dimension (m)	Distance To Nearest Property Boundary (ft)
		UTM E (m)	UTM N (m)	Lat (°N)	Long (°W)				
CRP_0002		457579.25	3755582.53			3	6.51	2.84	See modeling file for details.
CRP_0003		457575.04	3755595.08			3	6.51	2.84	See modeling file for details.
CRP_0004		457575.04	3755608.61			3	6.51	2.84	See modeling file for details.
CRP_0005		457575.04	3755622.15			3	6.51	2.84	See modeling file for details.
CRP_0006		457575.04	3755635.69			3	6.51	2.84	See modeling file for details.
CRP_0007		457575.04	3755649.23			3	6.51	2.84	See modeling file for details.
CRP_0008		457575.04	3755662.76			3	6.51	2.84	See modeling file for details.
CRP_0009		457575.04	3755676.30			3	6.51	2.84	See modeling file for details.
CRP_0010		457575.04	3755689.84			3	6.51	2.84	See modeling file for details.
CRP_0011		457571.24	3755702.42			3	6.51	2.84	See modeling file for details.
CRP_0012		457564.82	3755714.34			3	6.51	2.84	See modeling file for details.
CRP_0013		457558.40	3755726.26			3	6.51	2.84	See modeling file for details.
CRP_0014		457551.99	3755738.18			3	6.51	2.84	See modeling file for details.
CRP_0015		457545.57	3755750.10			3	6.51	2.84	See modeling file for details.
CRP_0016		457539.15	3755762.02			3	6.51	2.84	See modeling file for details.
CRP_0017		457532.73	3755773.93			3	6.51	2.84	See modeling file for details.
CRP_0018		457526.31	3755785.85			3	6.51	2.84	See modeling file for details.
CRP_0019		457519.90	3755797.77			3	6.51	2.84	See modeling file for details.
CRP_0020		457513.48	3755809.69			3	6.51	2.84	See modeling file for details.
CRP_0021		457507.06	3755821.61			3	6.51	2.84	See modeling file for details.



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G. VOLUME SOURCE DATA

(Volume sources such as building fugitives that have initial dispersion vertical depth prior to release.)

Emission Point ID	Description/Name	Volume Source Coordinates Projection: NAD83				Release Height AGL (m)	Initial Horizontal Dimension (m)	Initial Vertical Dimension (m)	Distance To Nearest Property Boundary (ft)
		UTM E (m)	UTM N (m)	Lat (°N)	Long (°W)				
CRP_0022		457500.64	3755833.53			3	6.51	2.84	See modeling file for details.
CRP_0023		457494.22	3755845.45			3	6.51	2.84	See modeling file for details.
CRP_0024		457487.80	3755857.37			3	6.51	2.84	See modeling file for details.
CRP_0025		457481.39	3755869.29			3	6.51	2.84	See modeling file for details.
CRP_0026		457474.97	3755881.21			3	6.51	2.84	See modeling file for details.
CRP_0027		457468.55	3755893.13			3	6.51	2.84	See modeling file for details.
CRP_0028		457462.13	3755905.05			3	6.51	2.84	See modeling file for details.
CRP_0029		457455.71	3755916.97			3	6.51	2.84	See modeling file for details.
CRP_0030		457449.30	3755928.89			3	6.51	2.84	See modeling file for details.
CRP_0031		457442.88	3755940.81			3	6.51	2.84	See modeling file for details.
CRP_0032		457436.46	3755952.73			3	6.51	2.84	See modeling file for details.
CRP_0033		457430.04	3755964.64			3	6.51	2.84	See modeling file for details.
CRP_0034		457423.62	3755976.56			3	6.51	2.84	See modeling file for details.
CRP_0035		457417.21	3755988.48			3	6.51	2.84	See modeling file for details.
CRP_0036		457410.79	3756000.40			3	6.51	2.84	See modeling file for details.
CRP_0037		457404.37	3756012.32			3	6.51	2.84	See modeling file for details.
CRP_0038		457397.95	3756024.24			3	6.51	2.84	See modeling file for details.
CRP_0039		457391.53	3756036.16			3	6.51	2.84	See modeling file for details.
CRP_0040		457385.12	3756048.08			3	6.51	2.84	See modeling file for details.
CRP_0041		457378.70	3756060.00			3	6.51	2.84	See modeling file for details.



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G. VOLUME SOURCE DATA

(Volume sources such as building fugitives that have initial dispersion vertical depth prior to release.)

Emission Point ID	Description/Name	Volume Source Coordinates Projection: NAD83				Release Height AGL (m)	Initial Horizontal Dimension (m)	Initial Vertical Dimension (m)	Distance To Nearest Property Boundary (ft)
		UTM E (m)	UTM N (m)	Lat (°N)	Long (°W)				
CRP_0042		457375.71	3756072.78			3	6.51	2.84	See modeling file for details.
CRP_0043		457375.71	3756086.32			3	6.51	2.84	See modeling file for details.
CRP_0044		457375.71	3756099.86			3	6.51	2.84	See modeling file for details.
CRP_0045		457375.71	3756113.40			3	6.51	2.84	See modeling file for details.
CRP_0046		457375.71	3756126.93			3	6.51	2.84	See modeling file for details.
CRP_0047		457375.71	3756140.47			3	6.51	2.84	See modeling file for details.
CRP_0048		457375.71	3756154.01			3	6.51	2.84	See modeling file for details.
CRP_0049		457378.71	3756166.58			3	6.51	2.84	See modeling file for details.
CRP_0050		457386.58	3756177.60			3	6.51	2.84	See modeling file for details.
CRP_0051		457394.45	3756188.61			3	6.51	2.84	See modeling file for details.
CRP_0052		457402.32	3756199.63			3	6.51	2.84	See modeling file for details.
CRP_0053		457410.19	3756210.65			3	6.51	2.84	See modeling file for details.
CRP_0054		457418.05	3756221.66			3	6.51	2.84	See modeling file for details.
CRP_0055		457427.60	3756230.50			3	6.51	2.84	See modeling file for details.
CRP_0056		457440.26	3756235.29			3	6.51	2.84	See modeling file for details.
CRP_0057		457452.92	3756240.08			3	6.51	2.84	See modeling file for details.
CRP_0058		457465.59	3756244.87			3	6.51	2.84	See modeling file for details.
CRP_0059		457478.25	3756249.66			3	6.51	2.84	See modeling file for details.
CRP_0060		457490.91	3756254.45			3	6.51	2.84	See modeling file for details.
CRP_0061		457503.91	3756258.18			3	6.51	2.84	See modeling file for details.



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G. VOLUME SOURCE DATA

(Volume sources such as building fugitives that have initial dispersion vertical depth prior to release.)

Emission Point ID	Description/Name	Volume Source Coordinates Projection: NAD83				Release Height AGL (m)	Initial Horizontal Dimension (m)	Initial Vertical Dimension (m)	Distance To Nearest Property Boundary (ft)
		UTM E (m)	UTM N (m)	Lat (°N)	Long (°W)				
CRP_0062		457516.99	3756261.65			3	6.51	2.84	See modeling file for details.
CRP_0063		457530.08	3756265.13			3	6.51	2.84	See modeling file for details.
CRP_0064		457543.16	3756268.60			3	6.51	2.84	See modeling file for details.
CRP_0065		457556.25	3756272.07			3	6.51	2.84	See modeling file for details.
CRP_0066		457569.33	3756275.54			3	6.51	2.84	See modeling file for details.
CRP_0067		457582.42	3756279.01			3	6.51	2.84	See modeling file for details.
CRP_0068		457594.42	3756285.01			3	6.51	2.84	See modeling file for details.
CRP_0069		457605.93	3756292.12			3	6.51	2.84	See modeling file for details.
CRP_0070		457617.45	3756299.24			3	6.51	2.84	See modeling file for details.
CRP_0071		457628.97	3756306.35			3	6.51	2.84	See modeling file for details.
CRP_0072		457640.49	3756313.46			3	6.51	2.84	See modeling file for details.
CRP_0073		457651.18	3756321.13			3	6.51	2.84	See modeling file for details.
CRP_0074		457653.40	3756334.49			3	6.51	2.84	See modeling file for details.
CRP_0075		457650.33	3756345.39			3	6.51	2.84	See modeling file for details.
CRP_0076		457638.72	3756352.36			3	6.51	2.84	See modeling file for details.
CRP_0077		457627.11	3756359.32			3	6.51	2.84	See modeling file for details.
CRP_0078		457613.95	3756362.28			3	6.51	2.84	See modeling file for details.
CRU_0001		457596.54	3756368.40			3	6.51	2.84	See modeling file for details.
CRU_0002		457574.98	3756377.98			3	6.51	2.84	See modeling file for details.
CRU_0003		457574.28	3756400.35			3	6.51	2.84	See modeling file for details.



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G. VOLUME SOURCE DATA

(Volume sources such as building fugitives that have initial dispersion vertical depth prior to release.)

Emission Point ID	Description/Name	Volume Source Coordinates Projection: NAD83				Release Height AGL (m)	Initial Horizontal Dimension (m)	Initial Vertical Dimension (m)	Distance To Nearest Property Boundary (ft)
		UTM E (m)	UTM N (m)	Lat (°N)	Long (°W)				
CRU_0004		457569.38	3756421.93			3	6.51	2.84	See modeling file for details.
CRU_0005		457554.65	3756440.36			3	6.51	2.84	See modeling file for details.
CRU_0006		457532.53	3756444.50			3	6.51	2.84	See modeling file for details.
CRU_0007		457510.12	3756440.31			3	6.51	2.84	See modeling file for details.
CRU_0008		457489.02	3756429.76			3	6.51	2.84	See modeling file for details.
CRU_0009		457470.39	3756417.54			3	6.51	2.84	See modeling file for details.
CRU_0010		457470.40	3756395.05			3	6.51	2.84	See modeling file for details.
CRU_0011		457491.50	3756384.50			3	6.51	2.84	See modeling file for details.
CRU_0012		457514.18	3756380.31			3	6.51	2.84	See modeling file for details.
CRU_0013		457537.77	3756379.70			3	6.51	2.84	See modeling file for details.
CRU_0014		457561.35	3756379.10			3	6.51	2.84	See modeling file for details.
CSP_0001		457557.21	3756276.60			3	6.51	2.84	See modeling file for details.
CSP_0002		457550.45	3756283.57			3	6.51	2.84	See modeling file for details.
CSP_0003		457543.69	3756290.53			3	6.51	2.84	See modeling file for details.
CSU_0001		457538.92	3756304.17			3	6.51	2.84	See modeling file for details.
CSU_0002		457533.69	3756324.46			3	6.51	2.84	See modeling file for details.



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H. FLARE SOURCE DATA											
(Point sources where the combustion takes place at the tip of the stack.)											
Emission Point ID	Description/Name	Flare Source Coordinates Projection:				Release Height AGL (ft)	Heat Release Rate (BTU/hr)	Distance To Nearest Property Boundary (ft)	Building		
		UTM E (m)	UTM N (m)	Lat (°N)	Long (°W)				Height (ft)	Length (ft)	Width (ft)

I. AREA CIRCULAR SOURCE DATA								
Emission Point ID	Description/Name	Area Circular Source Coordinates Projection:				Release Height AGL (m)	Radius of Area (m)	Distance To Nearest Property Boundary (ft)
		UTM E (m)	UTM N (m)	Lat (°N)	Long (°W)			
PILE 1	Stockpile	457451.41	3756481.24			4.57	6.60	See modeling file for details.
PILE 2	Stockpile	457395.04	3756365.87			4.57	6.60	See modeling file for details.
PILE 3	Stockpile	457355.77	3756376.96			4.57	6.60	See modeling file for details.
PILE 4	Stockpile	457321.12	3756360.33			4.57	6.60	See modeling file for details.
PILE 5	Stockpile	457289.24	3756342.77			4.57	6.60	See modeling file for details.
PILE 6	Stockpile	457258.37	3756327.52			4.57	6.60	See modeling file for details.
PILE 7	Stockpile	457226.50	3756307.66			4.57	6.60	See modeling file for details.
PILE 8	Stockpile	457126.70	3756358.94			4.57	6.60	See modeling file for details.
PILE 9	Stockpile	457084.20	3756248.98			4.57	6.60	See modeling file for details.

J. AREA POLY SOURCE DATA					
Emission Point ID	Description/Name	Area Poly Source Coordinates Projection:		Release Height AGL (ft)	Number of Vertices
		UTM E (m)	UTM N (m)		



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K. OPEN PIT SOURCE DATA

Emission Point ID	Description/Name	Open Pit Source Coordinates Projection:		Release Height AGL (ft)	Easterly Length (ft)	Northerly Length (ft)	Volume (ft ³)	Angle From North (°)
		UTM E (m)	UTM N (m)					



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L. EMISSION RATES

Emission Point ID	Pollutant Name	CAS #	Emission Rate (lb/hr)	Same as Permitted ⁽¹⁾	Controlled or Uncontrolled	Averaging Period
HR1_0001	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0002	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0003	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0004	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0005	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0006	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0007	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0008	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0009	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0010	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0011	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0012	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0013	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0014	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0015	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0016	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0017	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0018	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0019	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0020	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0021	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0022	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0023	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0024	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0025	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0026	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0027	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0028	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0029	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0030	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0031	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr



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L. EMISSION RATES

Emission Point ID	Pollutant Name	CAS #	Emission Rate (lb/hr)	Same as Permitted ⁽¹⁾	Controlled or Uncontrolled	Averaging Period
HR1_0032	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0033	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0034	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0035	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0036	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0037	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0038	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0039	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0040	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0041	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0042	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0043	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0044	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0045	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0046	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0047	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0048	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0049	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0050	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0051	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0052	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0053	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0054	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0055	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0056	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0057	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0058	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0059	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0060	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0061	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0062	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0063	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr



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L. EMISSION RATES

Emission Point ID	Pollutant Name	CAS #	Emission Rate (lb/hr)	Same as Permitted ⁽¹⁾	Controlled or Uncontrolled	Averaging Period
HR1_0064	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0065	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
HR1_0066	PM10	N/A	0.3077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0001	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0002	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0003	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0004	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0005	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0006	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0007	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0008	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0009	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0010	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0011	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0012	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0013	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0014	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0015	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0016	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0017	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0018	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0019	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0020	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0021	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0022	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0023	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0024	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0025	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0026	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0027	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0028	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0029	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr



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L. EMISSION RATES

Emission Point ID	Pollutant Name	CAS #	Emission Rate (lb/hr)	Same as Permitted ⁽¹⁾	Controlled or Uncontrolled	Averaging Period
CRP_0030	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0031	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0032	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0033	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0034	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0035	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0036	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0037	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0038	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0039	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0040	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0041	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0042	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0043	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0044	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0045	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0046	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0047	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0048	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0049	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0050	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0051	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0052	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0053	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0054	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0055	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0056	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0057	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0058	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0059	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0060	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0061	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr



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L. EMISSION RATES

Emission Point ID	Pollutant Name	CAS #	Emission Rate (lb/hr)	Same as Permitted ⁽¹⁾	Controlled or Uncontrolled	Averaging Period
CRP_0062	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0063	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0064	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0065	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0066	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0067	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0068	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0069	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0070	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0071	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0072	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0073	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0074	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0075	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0076	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0077	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRP_0078	PM10	N/A	0.0077	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRU_0001	PM10	N/A	0.1768	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRU_0002	PM10	N/A	0.1768	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRU_0003	PM10	N/A	0.1768	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRU_0004	PM10	N/A	0.1768	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRU_0005	PM10	N/A	0.1768	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRU_0006	PM10	N/A	0.1768	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRU_0007	PM10	N/A	0.1768	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRU_0008	PM10	N/A	0.1768	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRU_0009	PM10	N/A	0.1768	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRU_0010	PM10	N/A	0.1768	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRU_0011	PM10	N/A	0.1768	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRU_0012	PM10	N/A	0.1768	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRU_0013	PM10	N/A	0.1768	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CRU_0014	PM10	N/A	0.1768	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CSP_0001	PM10	N/A	0.0069	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr



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Emission Point ID	Pollutant Name	CAS #	Emission Rate (lb/hr)	Same as Permitted ⁽¹⁾	Controlled or Uncontrolled	Averaging Period
CSP_0002	PM10	N/A	0.0069	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CSP_0003	PM10	N/A	0.0069	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CSU_0001	PM10	N/A	0.2290	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
CSU_0002	PM10	N/A	0.2290	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr
PILE 1	PM10	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr
PILE 2	PM10	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr
PILE 3	PM10	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr
PILE 4	PM10	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr
PILE 5	PM10	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr
PILE 6	PM10	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr
PILE 7	PM10	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr
PILE 8	PM10	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr
PILE 9	PM10	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr
HR1_0001	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0002	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0003	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0004	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0005	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0006	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0007	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0008	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0009	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0010	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0011	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0012	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0013	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0014	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0015	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0016	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0017	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0018	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0019	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual



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Emission Point ID	Pollutant Name	CAS #	Emission Rate (lb/hr)	Same as Permitted ⁽¹⁾	Controlled or Uncontrolled	Averaging Period
HR1_0020	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0021	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0022	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0023	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0024	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0025	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0026	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0027	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0028	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0029	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0030	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0031	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0032	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0033	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0034	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0035	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0036	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0037	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0038	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0039	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0040	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0041	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0042	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0043	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0044	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0045	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0046	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0047	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0048	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0049	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0050	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0051	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual



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L. EMISSION RATES

Emission Point ID	Pollutant Name	CAS #	Emission Rate (lb/hr)	Same as Permitted ⁽¹⁾	Controlled or Uncontrolled	Averaging Period
HR1_0052	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0053	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0054	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0055	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0056	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0057	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0058	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0059	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0060	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0061	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0062	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0063	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0064	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0065	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
HR1_0066	PM2.5	N/A	0.0308	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0001	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0002	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0003	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0004	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0005	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0006	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0007	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0008	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0009	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0010	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0011	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0012	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0013	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0014	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0015	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0016	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0017	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual



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L. EMISSION RATES

Emission Point ID	Pollutant Name	CAS #	Emission Rate (lb/hr)	Same as Permitted ⁽¹⁾	Controlled or Uncontrolled	Averaging Period
CRP_0018	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0019	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0020	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0021	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0022	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0023	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0024	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0025	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0026	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0027	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0028	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0029	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0030	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0031	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0032	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0033	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0034	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0035	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0036	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0037	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0038	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0039	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0040	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0041	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0042	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0043	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0044	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0045	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0046	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0047	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0048	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0049	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual



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L. EMISSION RATES

Emission Point ID	Pollutant Name	CAS #	Emission Rate (lb/hr)	Same as Permitted ⁽¹⁾	Controlled or Uncontrolled	Averaging Period
CRP_0050	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0051	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0052	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0053	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0054	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0055	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0056	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0057	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0058	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0059	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0060	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0061	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0062	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0063	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0064	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0065	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0066	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0067	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0068	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0069	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0070	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0071	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0072	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0073	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0074	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0075	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0076	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0077	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRP_0078	PM2.5	N/A	0.0019	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRU_0001	PM2.5	N/A	0.0177	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRU_0002	PM2.5	N/A	0.0177	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRU_0003	PM2.5	N/A	0.0177	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual



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L. EMISSION RATES

Emission Point ID	Pollutant Name	CAS #	Emission Rate (lb/hr)	Same as Permitted ⁽¹⁾	Controlled or Uncontrolled	Averaging Period
CRU_0004	PM2.5	N/A	0.0177	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRU_0005	PM2.5	N/A	0.0177	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRU_0006	PM2.5	N/A	0.0177	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRU_0007	PM2.5	N/A	0.0177	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRU_0008	PM2.5	N/A	0.0177	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRU_0009	PM2.5	N/A	0.0177	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRU_0010	PM2.5	N/A	0.0177	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRU_0011	PM2.5	N/A	0.0177	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRU_0012	PM2.5	N/A	0.0177	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRU_0013	PM2.5	N/A	0.0177	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CRU_0014	PM2.5	N/A	0.0177	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CSP_0001	PM2.5	N/A	0.0017	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CSP_0002	PM2.5	N/A	0.0017	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CSP_0003	PM2.5	N/A	0.0017	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CSU_0001	PM2.5	N/A	0.02290	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
CSU_0002	PM2.5	N/A	0.02290	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Controlled	24-hr and Annual
PILE 1	PM2.5	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr and Annual
PILE 2	PM2.5	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr and Annual
PILE 3	PM2.5	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr and Annual
PILE 4	PM2.5	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr and Annual
PILE 5	PM2.5	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr and Annual
PILE 6	PM2.5	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr and Annual
PILE 7	PM2.5	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr and Annual
PILE 8	PM2.5	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr and Annual
PILE 9	PM2.5	N/A	0.0272	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Uncontrolled	24-hr and Annual

(1) Any difference between the rates used for permitting and the air compliance demonstration must be explained in the application report.