Prevention of Significant Deterioration/Air Contaminant Discharge Permit Application

Appendix D – Air Quality Impact Assessment (Revised)

Intel Corporation Gordon Moore Park at Ronler Acres/Aloha Project

Submitted to

Oregon Department of Environmental Quality

Submitted by

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November 2023

INTRODUCTION

Intel Corporation (Intel) operates the Gordon Moore Park at Ronler Acres (also referred to as Ronler and Ronler Acres in this document) and Aloha semiconductor manufacturing facilities (together, the Facility) in Washington County, Oregon. The Gordon Moore Park at Ronler Acres campus is located at 2501 NE Century Boulevard, Hillsboro, Oregon, which has a Universal Transverse Mercator (UTM) North American Datum (NAD) 83 coordinate of 506601.5 meters Easting, 5043404.5 meters Northing (Zone 10). The Aloha campus is located at 3585 SW 198th Avenue, Aloha Oregon, and has a UTM NAD 83 coordinate of 509003.2 meters Easting, 5037811.5 meters Northing (Zone 10) latitude /longitude of 122.8851359° W, 45.4937841° N. The Aloha campus has been operating since 1976 while the Gordon Moore Park at Ronler Acres campus began operation in 1994. Both campuses are engaged in the production of semiconductor products and are considered co-located for permitting purposes because their production activities are interrelated. Both campuses are regulated under a single Standard Air Contaminant Discharge Permit (ACDP), 34-2681-ST-01, issued by the Oregon Department of Environmental Quality (ODEQ) in 2016 and most recently modified in 2022.

The revised modeling report is an addendum to the July 7th and September 6th 2023 submittal of the Type 4 Maintenance Area New Source Review (NSR) and Prevention of Significant Deterioration (PSD) permit application. This revised modeling supplement describes the changes to the project design and subsequent revised modeling results. Unless otherwise noted in this addendum, the modeling is based on the modeling protocol that was submitted and approved by the ODEQ on June 15th, 2023, with the subsequent 1-hour NO_2 Modeling Addendum submitted on November 1st, 2023. The modeling presented in this addendum follows the methods presented in the ODEQ *"Recommended Procedures for Air Quality Dispersion Modeling"* (March 2022). Unless otherwise called out in the text, the revised tables below are numbered as they were presented in the July 7th application.

PROJECT DESIGN CHANGES

On September 6th, 2023, Intel submitted a modification to the July 7th 2023 ACDP application. The modification revised the basis for the natural gas fueled boiler PM10 and PM2.5 emission factors from the EPA NEI 2014 emission factors to the ODEQ AQ-EF05 emissions factors, resulting in a small increase of 3.08 and 3.14 tons per year, respectively. No other emission factors or emissions rates were modified. The updated modeling results are based on the emissions as referenced in Table 1.

In addition to the revised PM10 and PM2.5 emission factors, the following list summarizes the other changes to the project design:

- D1A EXSC Stack heights (SCDA_01 – SCDA_03) increased to 44.5 meters
- Boiler stacks on the CUB5 building (BOC5_01 - BOC5_08) increased to 27.92 meters
- MOD4 stack realignment (See Figure 1)
- MOD4 building height revised to 32.92 meters
- MOD4 gown changing room addition with height at 32.92 meters
- MSB2 building height and footprint update (See Figure 2)
- IMO south building size increase (See Figure 2)
- EGEN1 for D1X 4C and 5C stack parameters and emissions were corrected. The 4C engine was listed at 2,500 kV but was actually rated at 3,000 kV

- RB1 scrubber modified to reflect a slightly lower water usage with a decrease in particulate matter emissions
- Extended the CTC5 cooling tower structure to enclose all cells.

Table 1
Ronler and Aloha Potential to Emit Summary

Ronler and Aloha Plant Site Emission Limit Summary	NO_x	CO	VOC	TSP as PM	PM-10	PM-2.5	SO_2
	tpy	tpy	tpy	tpy	tpy	tpy	tpy
Boilers	19.69	58.64	8.55	3.89	3.89	3.89	4.04
EGENS/Fire Pumps	52.46	4.28	0.96	0.48	0.48	0.48	0.05
RCTOs	80.73	106.28	150.01	19.05	19.05	19.05	2.10
EXSC Scrubbers	192.68	327.92	36.92	28.11	27.17	25.65	26.77
EXAM Scrubbers	43.45	81.51	86.51	13.55	8.54	8.27	0.77
PSSS Scrubbers	0	0	0	0.71	0.44	0	0
Fugitive VOCs	0	0	65.82	0	0	0	0
Heaters	10.41	17.13	0.57	0.26	0.26	0.26	0.27
TMXW	12.23	1.10	0.20	0.09	0.09	0.09	0.09
Lime Silos	0	0	0	0.44	0.44	0.44	0
Cooling Towers	0	0	0	8.81	7.19	0.03	0
Aggregate insignificant activities	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Paved Road Emissions	0	0	0	0.75	0.15	0.04	0
Total	412.64	597.86	350.54	77.16	68.71	59.21	35.10
Requested PSEL	413	598	351	68	62	60	39

[a] **Requested PSEL not to include categorically insignificant Activities including Paved Roads, and Cooling Towers**

Figure 3 provides the locations of all source types based on the changes listed above. No stack placement or building changes are proposed for the Aloha site. The revised stack locations and stack heights are included with the facility source inventory in Attachment A.

<u>MERP Analysis for Secondary PM-2.5 and Ozone Formation (Revised)</u>

The EPA developed a Tier 1 demonstration tool for ozone and PM-2.5 precursor emissions called Modeled Emission Rates for Precursors (MERPs). The development of the tool and related guidance is summarized in a memorandum from EPA dated April 30, 2019, with a subject, "Guidance on the Development of Modeled Emission Rates for Precursors (MERPs) as a Tier 1 Demonstration Tool for ozone (O_3) and PM-2.5 under the PSD Permitting Program." The basic idea behind the MERPs is to use technically credible air quality modeling to relate precursor emissions and peak secondary pollutant impacts from specific or hypothetical sources. The ODEQ used the air quality modeling results presented in EPA MERPs memorandum to derive MERPs for hypothetical sources located in the Western U.S.

MERPs can be used to demonstrate that projected impacts from a proposed source are less than the applicable SILs or when included with the modeling results, would not cause or contribute to a violation of a NAAQS or PSD increment for that pollutant.

The MERP is based on a hypothetical source emission rate, the modeled concentration from that emission rate, and the relevant SILs for O_3 and PM-2.5 (1 ppb for O_3, 1.2 µg/m^3 for 24-hr PM-2.5, and 0.2 µg/m^3 for annual PM-2.5). The lowest MERP value for each precursor identifies the most conservative condition. EPA provides a lookup table (MERPs View Qlik) which contains MERP data for the United States, from which, for the Tier I analysis, the smallest MERP values were used for the 8-hour O_3 impact assessment and the 24-hour and annual PM-2.5 assessments. ODEQ recommends the use of the Morrow, Oregon site, which is located near Arlington on the Columbia River. For the Tier I analysis, the smallest MERP values were used for the 8-hour O_3 impact assessment and the 24 and annual PM-2.5 assessment.

The MERP analysis used the following emissions data as input which is based on the project total PSEL:

- NO_x – 412.64 tpy
- VOC – 350.54 tpy
- PM-2.5 – 59.21 tpy
- SO_x - 39.0 tpy

The basic form of the equations for PM-2.5 is:

$$S = SIL\left[\frac{Q_{NOx}}{MERP_{NOx}} + \frac{Q_{SOx}}{MERP_{SOx}}\right]$$

For O_3, the equation takes the form of:

$$S = SIL\left[\frac{Q_{NOx}}{MERP_{NOx}} + \frac{Q_{VOC}}{MERP_{VOC}}\right]$$

where:

S = final concentration

SIL = significant impact level

- 24-hr PM-2.5 = 1.2 *u*g/m^3
- Annual PM-2.5 = 0.2 *u*g/m^3
- 8-hr O^3 = 1 ppb

Q = mass emissions in tons per year

MERP = MERP in tons per year from Table 13 for each applicable precursor

Table 13 provides the MERPs View Qlik data for Morrow, Oregon based on a hypothetical 500 ton per year source with a stack height of 10 meters. This data along with the project specific PSEL data and applicable SILs were used in the equations to determine secondary PM-2.5 and ozone formation. A copy of the MERP data from View Qlik is also provided in Attachment B (See July 7th Application).

Table 13
MERP View Qlik Data

State	County	Metric	Precursor	Emissions TPY	Stack Height	MERP TPY	Max Concentration ug/m^3
Oregon	Morrow	8-hr Ozone	NO_x	500	10	258	1.939569
Oregon	Morrow	8-hr Ozone	VOC	500	10	1,087	0.46018
Oregon	Morrow	Annual PM-2.5	NO_x	500	10	7,942	0.012591
Oregon	Morrow	Annual PM-2.5	SO_2	500	10	11,877	0.008419
Oregon	Morrow	Daily PM-2.5	NO_x	500	10	3,003	0.19979
Oregon	Morrow	Daily PM-2.5	SO_2	500	10	2,314	0.259274

Stack height in meters

PM-2.5 24-hr avg. analysis

- For NO_x the lowest MERP is 3,003 for a hypothetical 500 tpy source and a concentration of 0.19979 ug/m^3
- For SO_x the lowest MERP is 2,314 for a hypothetical 500 tpy source and a concentration of 0.25927 ug/m^3

Secondary 24-hr PM-2.5 formation = 0.185 $\mu g/m^3$

Annual PM-2.5

- For NO_x the lowest MERP is 7,942 for a hypothetical 500 tpy source and a concentration of 0.01259 ug/m^3
- For SO_x the lowest MERP is 11,877 for a hypothetical 500 tpy source and a concentration of 0.00842 ug/m^3

Secondary annual PM-2.5 formation = 0.01105 $\mu g/m^3$

O_3 8-hr avg. analysis

- For NO_x the lowest MERP is 258 for a hypothetical 500 tpy source and a concentration of 1.9396 ppb
- For VOC the lowest MERP is 1,087 for a hypothetical 500 tpy source and a concentration of 0.46018 ppb

Primary 8-hr O_3 formation = 1.92 ppb

Table 14 below compares the results of the MERP analysis to the applicable SILs, and only the 8-hr O_3 resultant concentration is significant. This significant concentration was then added to the background O_3 concentration of 61.3 ppb to produce a Project total of 63.22 ppb, which is below the 8-hr O_3 standard of 70 ppb. Thus, any additional impacts to the background ozone concentration will comply with the NAAQS.

Based on the results of the MERP analysis, the calculated secondary PM-2.5 concentrations were added to all modeled PM-2.5 results from AERMOD for both 24-hr and annual averaging periods.

Table 14 Results of MERP Analyses with Comparison to PSD SILs			
Pollutant	Avg. Period	MERP Concentration	Class II PSD SILs
O_3	8-Hour	1.92 ppb	1 (ppb)
PM-2.5	24-hr Max	0.185 µg/m^3	1.2 (µg/m^3)
	Annual Max	0.011 µg/m^3	0.2 (µg/m^3)

Single source impacts on secondary PM-2.5 tend to decrease as distance from the source increases (Baker et al., 2016), which means peak source impacts presented as PM-2.5 in the NAAQS air quality assessment may not provide relevant information for the spatial scales involved between Project sources and Class I areas. Given that Project source impacts will be lower at greater distances, the MERPs listed in Table 14 would overestimate the secondary PM-2.5 formation as the source and Class I areas are not in close proximity.

Using the distance correction outlined in the memorandum from EPA dated April 2019, *"Guidance on the Development of Modeled Emission Rates for Precursors (MERPs) as a Tier 1 Demonstration Tool for Ozone (O_3) and PM2.5 under the PSD Permitting Program."*, the hypothetical source concentrations from MERPs View Qlik were selected based on the distance to the nearest Class I area, Mount Hood, at 80 km. Using the Morrow, Oregon site, this produced the following secondary PM-2.5 formations based on the modeled hypothetical source and resultant MERP concentration from the MERP View Qlik output:

- 24-hr = 0.0903 *u*g/m^3
- Annual = 0.0039 *u*g/m^3

REVISIONS TO THE MODELING METHODOLOGY

Based on the ODEQ recommendations and the October 31st addendum to the modeling protocol, the 1-hour NO_2 modeling analyses were revised to include 24-hours of emergency diesel engine operation for each year of the modeling analysis. To assess this, two (2) separate and distinct methods were used for calculating the 1-hour NO_2 concentrations from the intermittent operations of diesel emergency engines during an emergency plant power outage. The first method utilized the approach outlined in the USEPA guidance document (March 1, 2011, USEPA memorandum "Additional Clarification Regarding Application of Appendix W Modeling Guidance for the 1-hour NO_2 National Ambient Air Quality Standard"). The second method utilized a Monte Carlo simulation as recommended by the Oregon Department of Environmental Quality (ODEQ). Since emergency operations can be speculative, both modeling methods will rely on historical operations of diesel emergency engines that have occurred from 2016 to present. Historical operations reflect the fact that the electrical service to the Intel campuses is intentionally structured in such a way that it is highly unlikely that loss of electrical service would have a plant-wide impact. Instead, as past events document, Intel's electrical service design is intentionally structured to maintain electrical service across most of the plant even if one source of electrical service is lost. A table listing these past events was provided to ODEQ on September 11th, 2023, and it was agreed that they form the best basis for identifying reasonably likely future diesel emergency engine operating scenarios at the Aloha and Ronler Acres campuses.

Based on actual past occurrences, the event with the longest run time at the Ronler campus and with the utilization of the most diesel emergency engines occurred over two 12-hour periods in May 2022. Here, five (5) diesel emergency engines associated with operations at the D1D operations ran for roughly 23 hours for each engine. The emergency operations modeling utilized the D1D group of diesel emergency engines but modified the number of diesel emergency engines to reflect six (6) engines (EGDD_01 through EGDD_06) in place of five (5) that ran during the emergency. The 1-hour NO_2 analyses also include the 25-hours of non-emergency operations (e.g., maintenance and readiness testing) along with the steady state source (non-emergency sources).[1]

EPA 1-Hour NO_2 Methodology (Revised)

The diesel emergency engines can run up to 25 hours per year for non-emergency operations. As noted above, emergency operations included up to 24 additional hours of operations for the Ronler D1D sources. The approach suggested by EPA is to model impacts from intermittent sources based on an annualized hourly emission rate, rather than the maximum hourly emissions. This approach accounts for potential worst-case meteorological conditions combined with essentially continuous operation of the diesel emergency engines (both regular testing and emergency operation) at an average hourly emission rate. Non-emergency steady state sources were included in the EPA methodology. The modeling results were based on the use of the Ambient Ratio Method Version 2 (ARM2). There were no daytime limitations to the operating hours for emergency operations. Background sources (non-Intel sources) for NO_2 were also included.

Monte Carlo 1-Hour Methodology (Revised)

The second method for assessing emergency operations on the 1-hr NO_2 standard utilized a Monte Carlo Simulation to estimate the NO_2 impacts. Here the maximum 1-hour NO_2 emission rates on the diesel emergency engines were used and include both non-emergency (testing and maintenance) and emergency hours. As before, the non-emergency hours of operation will be limited to daytime conditions while the emergency operations did not have any hour of day restrictions. Additionally, the steady state sources were included in the Monte Carlo analyses.

The Monte Carlo simulation was used to model the probability of different outcomes in a process that cannot easily be predicted due to the intervention of random variables. For example, the specific hour/day of an emergency event that a set of diesel emergency engines will run is generally unknown. The operation of the diesel emergency engines may or may not correspond to a poor dispersion period, as the occurrence of these events is essentially random. The Monte Carlo approach can account for the random nature of both the diesel emergency engine operation and the underlaying meteorological conditions. The Monte Carlo modeling utilized the following three (3) separate AERMOD runs to create output files of hourly (1-hr) NO_2 concentrations for each receptor across all five (5) years of meteorology. To minimize output file size, the receptor group will be broken out into three individual groups of roughly 800 receptors each, the

[1] Intel does not participate in the Portland General Electric Dispatchable Standby Generation program and so non-emergency operation of the diesel emergency engines is limited to training and maintenance and readiness testing.

total of which included the entire high resolution downwash grid to identify and determine the maximum concentrations:

1. Continuous sources with ARM2 and seasonal hour by day background NO_2 background
2. M&R testing for the 20 emergency generator source groups with hours limited to daylight hours only and utilizing PVMRM as previously described in the modeling protocol and the July 14th permit application. Each engine is tested up to 24-hours per year and each source group has its own 1-hour hourly concentration files.
3. Emergency operations for 24-hours per engine per year which represents 24 single one-hour events for each of the five years with no day or nighttime limitations and utilizing PVMRM. The ODEQ has recommended that the maximum number of annual emergency operation hours in the recent historical record (24 hours) be used in the analysis. Since this maximum could possibly occur in any year, the 24 hours will be used in all years of the simulation. Since the length of operation cannot be predicted, the most conservative option is to treat all emergency hours as single hour events that could occur on any day of the year in the Monte Carlo simulation. The 24 occurrences will then be spread out over 12 months with two (2) random occurrences each month for each of the one-year meteorological data periods.

The receptor-by-receptor hourly files from the three AERMOD runs above will then be used in the Monte Carlo analysis. The hourly files were split into individual daily files, each with 24 hours of concentration for each receptor. These files are then grouped by month. For each iteration, 365 days were randomly selected from the five-year dataset to form a simulation year. Any particular day was used only once in the simulation year. The hourly continuous source concentrations are loaded into the simulation year concentration arrays. Two days in each month were assigned to the emergency runs. On those days, one hour was randomly selected for the emergency runs. For this hour, the concentration from the emergency runs was added to the continuous source concentration. For the M&R source, 15 days in a month were identified for the 20 groups of generators to be evaluated. For each generator group, a random hour between hours 9:00 AM and 6:00 PM was selected. For this hour, the concentration from the M&R group run was added to the continuous source concentration. If two M&R groups are run on the same day, they will run at different hours. Once this step is completed, the highest 1-hr concentration on each day was calculated (on a receptor-by-receptor basis) from which the highest eighth highest concentration at each receptor was found. This process was then repeated two more times to generate a three-year simulation data set. Once the three simulation years were assembled, the high-eighth-high concentrations from each year was be determined and then averaged to produce a final high-eighth-high concentrations for that iteration. The process was then repeated 1000 more times and a median concentration was then calculated from the 1001 simulations. If this median value is less than the standard, then compliance is demonstrated.

The advantage of this approach over the original submittal of pairing results based on receptor location only is that concentrations of continuous, M&R, and emergency operations are paired both in space and time, and the 98th percentile calculation for each receptor and hour is done as a last step.

Emergency Engine Screening Analyses for the M&R Testing (Revised)

While either the maximum modeled single engine or group of engines from Table 11 was identified from modeling just those 20 groups in AERMOD, the location may not correspond to the maximum location of the steady state source impact locations, which is important to identify to determine the overall maximum modeled concentrations. So, to determine the combined maximum impact for the 1, 8 and 24-hour averaging periods, where the intermittent sources would contribute the highest concentration to the steady state source impact location(s), the top 10 receptor locations where the steady state sources maximum impact occurred were input into AERMOD based on the following:

- All 20 engine source groups were input to determine the 1-hour NO_2 concentration using the EPA 1-hour method (annual average emissions rates).
- Each individual engine input as an individual source group with the maximum 1-hour emission rate (1-hr SO_2 and CO).
- Each individual engine input as an individual source group with the maximum 8-hour emission rate ratioed by 10/8 (8-hr CO) to account for 10 engines tested in 8 hours.
- Each individual engine input as an individual source group with 1-hour of the maximum hourly emission rate (24-hr SO_2 and PM-10, PM-2.5).

Table 12 presents the results of the screening analyses. To illustrate this screening procedure, the top ten locations of the steady state 24-hour PM-2.5 concentrations, based on the form of the NAAQS, are presented in Figure 10. All engine source groups, or the single engines as individual source groups were then run in AERMOD at these ten receptor locations. The engine groups or single engine that resulted in the highest concentration was then selected to be used in the subsequent modeling analyses for the SILs, NAAQS, and PSD increment assessments. Note, the Monte Carlo analysis was treated as a separate modeling procedure and is not associated with this screening method.

Table 12
Identified Generator Groups from the Screening Modeling

Group ID	Engine ID[1]	Pollutant	Averaging Period[2]
G02	All	CO	1-HR
	EGRP1_02	CO	8-HR
	EGDC_01	PM-10	24-HR
	EGDC_01	PM-2.5	24-HR
G17	All	SO_2	1-HR
	EGF15_01	SO_2	24-HR
G14	All	NO_2	1-HR

[1] 1-hr CO, SO_2 and NO_2 used the specific source groups in Table 11.
[2] Annual modeling used all 90 diesel engines for the SIL, NAAQS and Increment Analyses

For assessing the 24-hour PM-2.5 increment, the use of 10 hours of emissions from source EGDC_01 (10 hours modeled from a single engine) was replaced with the testing from all 10 engines that would be tested on any particular day modeled day. Thus, the 10 diesel engines modeled for 24-hour PM-2.5 increment were EGDC_01 through EGDC_05, EGRP1_01 and EGRP1_02 and EGDD_01 through EGDD_03.

Class I Impact Assessment (Revised)

OAR 340-225-0070 requires PSD sources to assess compliance with Air Quality Related Values (AQRVs) if the source could impact visibility or deposition. This requirement is also summarized in EPA's Draft NSR Workshop Manual, where an impact analysis must be performed for any PSD source which "may affect" a Class I area. The AQRV requirement includes any PSD source located within 100 km of a Class I area.

However, Class I areas typically within 300 km are included in this type of analysis. OAR 340-225-0700 requires the ODEQ to provide notice of PSD permit applications to the EPA and Federal Land Managers. This notification was completed by the ODEQ and was incorporated into the ODEQ comments on the modeling protocol.

Intel is now a major source for criteria pollutant emissions and is therefore subject to PSD permitting requirements. The nearest Class I area is Mount Hood, located 80 km from the Gordon Moore Park at Ronler Acres (see Figure 13 in the July 7th application). Eight (8) additional Class I areas are identified within 300 km of the Project. The Class I coordinates are based on the National Park Service (NPS) Class I receptor list converted from latitude/longitude to UTM NAD83 coordinates.

Following OAR 340 division 225 and the FLAG Workshop procedures (June 2010) for PSD sources greater than 50 km from a Class I area, the use of the Screening Procedure Q/D was utilized to determine if the Project could screen out of a formal AQRV assessment for visibility and nitrogen deposition (Q is the total emissions in tons per year and D is the distance in kilometers to the Class I area). Following these procedures, Q is calculated as the sum (in tons/year) of emissions of NO_x and PM-10 based on the maximum 24-hour net emissions increase for each pollutant from the proposed Project. The actual baseline emissions were not included in the proposed increase, as per FLAG with ODEQ concurrence. There will be no increase in SO_2 emissions over the existing PSEL so this pollutant was not included in the calculation of Q. The existing PSEL emissions and the proposed hourly increases converted to tons are summarized in Table 24.

The screening calculation takes the form of:

*Q = sum (NO_x+PM-10) in lbs/hr (for 24-hours) for the worst-case day * 365 days/year*

Table 24
Existing and Proposed Emissions Profiles

	NO_x tpy	PM-10 tpy	Q tons
Current PSEL	197.0	35.0	-
Proposed Increase without Emergency Generators	193.7*	27*	-
Proposed Increase Emergency Generators Only (worst-case day)	124.1*	1.17*	-
Total for Q/D Calculation	317.8	28.2	347
Total PTE	412.6	62.0	

* Based on worst case day multiplied by 365 days and converted to tons per year.

All the non-emergency sources are steady state and operate almost continuously 24-hours per day. The emergency diesel generators are limited to 25 hours per year, with no more than 10 engines being tested during any day. To determine the worst-case daily emissions for the emergency generators, the 10 highest emitting engines' emissions were summed to calculate a pound per day (lb/day) emission rate. This was then multiplied by 365 days and converted to tons per year (tpy) to calculate the engines contribution to the total emissions (Q). As an example, for NO_x:

Each emergency generators at 68 lb/hr each or 10 engines on a daily basis at 680 lb/day
680 lb/day * 365 day/yr * 1 ton/2000 lb = 124.1 tpy

This is repeated for PM-10 but with a different set of 10 engines which have a higher PM-10 emission rate.

Each emergency generators at 0.641 lb/hr each or 10 engines on a daily basis at 6.41 lb/day
6.41 lb/day * 365 day/yr * 1 ton/2000 lb = 1.17 tpy

Using this procedure on the emergency generators which is then added to the steady state Q, the total Facility Q based on the increase in NO_x and PM-10 is:

Q = sum (NO_x+PM-10) in maximum lbs/day (for the worst-case day including emergency generators) * 365 days/year * 1 ton/2000 lbs = 346.9 tons

The results of the Q/D scenarios are presented in Table 25. If Q/D is less than 10, then the AQRV analysis can be waived as a requirement. All of the Class I areas have a Q/D ratio less than threshold of 10. In accordance with OAR 340-225-0070, the Federal Land Managers (FLMs) of Class I areas potentially affected by the project were notified by ODEQ of the pending permit application. In the FLM responses, the U.S Forest Service and the National Park Service, as FLMs, have both stated that an analysis of AQRVs is not required for their respective Class I areas and the Columbia River Gorge National Scenic Area.

In addition to the above AQRV analysis, OAR 340-225-0060 requires Class I SILs modeling to be performed to determine if a Class I increment and NAAQS analyses would be required for the major source pollutants.

TABLE 25
NEARBY CLASS I AREAS AND Q/D SCREENING RESULTS

Class I Areas	Minimum Distance (km)	Q/D*
Mt Hood OR (MOHO)	80	4.4
Mt Jefferson OR (MOJE)	116	3.0
Mt Adams WA (MOAD)	121	2.9
Goat Rocks WA (GORO)	145	2.4
Mt Washington WA (MOWA)	150	2.3
Mt Rainier WA (MORA)	153	2.3
Three Sisters OR (THSI)	167	2.1
Diamond Creek (DC)	223	1.6
Crater Lake (CR)	279	1.3

*Q/D based on worst case day.

Modeling Impact Tables (Revised)

The following tables reflect the revised air quality modeled concentrations based on the reference project changes. The table numbers have been retained from the July 7th application submittal and correspond to the applicable report sections. No additional narrative is provided as the July 7th application sections associated with these tables are unchanged.

Table 15
Air Quality Impact Results for Significant Impact Levels*

Pollutant	Averaging Period	Maximum Concentration (µg/m³)	Class II SIL (µg/m³)	Significant Impact Area Radius (km)
Steady State and Intermittent Source Operating Conditions*				
NO_2 [a]	1-hr 5-year Avg of Max's	129.5	7.5	18.7
	Annual Max	17.1	1.0	8.5
CO	1-hour Max	483.9	2,000	N/A
	8-hour Max	159.2	500	N/A
SO_2	1-HR Max	46.1	7.8	-
	24-HR Max	20.1	5	-
	Annual Max	4.9	1	-
PM-10	24-hour Max	10.6	5	6.3
	Annual Max	3.3	1	6.4
PM-2.5[b]	24-hr 5-yr Avg of Max's	8.6	1.2	7.1
	5-yr Avg of Annual Concentrations	2.5	0.2	8.7

[a] NO_2 1-hour and annual impacts evaluated using ARM2. Emergency generators included using EPA modeling procedure.
[b] PM-2.5 modeled concentrations were adjusted by the MERP results to account for secondary PM-2.5 formation.
* All sources (new and existing)

Table 18
Intel Facility Sources (New + Existing) Modeling Results

Pollutant	Averaging Period	Modeled Concentration ($\mu g/m^3$)	Background ($\mu g/m^3$)	Total ($\mu g/m^3$)	National Ambient Air Quality Standards ($\mu g/m^3$)
NO_2	1-hr 5-yr Avg of 98^{th}%	EPA Method [a]	-	162.6	188
	1-hr 5-yr Avg of 98^{th}%	Monte Carlo [b]	-	163.0	188
	Annual Max	17.1	35.6	52.7	100
SO_2	1-hr 5-yr Avg of 99^{th}%	40.0	7.0	47.0	196
	24-hr Avg	20.1	4.7	24.8	1,300
	Annual Max	4.9	1.1	6.0	80
PM-10	24-hour H6H	9.1	39.0	48.1	150
PM-2.5[c]	24-hr 5-yr Avg of 98^{th}%	6.2	20.7	27.1	35
	5-yr Avg of Ann Conc's	2.5	6.6	9.1	12.0

[a] NO_2 1-hour and annual impacts evaluated using the ARM2. Seasonal hour by day added in model.
[b] NO_2 1-hur evaluated with PVMRM with the NO_2/NO_x ratios as described previously. Background from seasonal hour by day in AERMOD.
[c] PM-2.5 24-hour and annual concentration adjusted by 0.185 and the annual by 0.0111 to reflect secondary PM-2.5 formation.

Table 23
PSD Class II Increment Results

Pollutant	Avg. Period	Modeled Concentration ($\mu g/m^3$)	PSD Class II Increment ($\mu g/m^3$)
NO_2	Annual	17.1	25
PM-10	24-hr (H2H)	9.8	30
	Annual	3.4	17
PM-2.5	24-hr (H2H)	8.6	9
	Annual	2.7	4

H2H = high second high on an annual basis. Increment not to be exceeded more than once per year.
PM-2.5 includes secondary formation.

Table 23
Air Quality Impact Results for
Cumulative Modeling Analysis – National Ambient Air Quality Standards

Pollutant	Avg. Period	Modeled Concentration (µg/m^3)	Background (µg/m^3)	Total (µg/m^3)	National Ambient Air Quality Standard (µg/m^3)
NO_2	1-hr 5-yr Avg of 98^{th}%	N/A	--	162.6	188
	Annual	17.2	35.6	52.8	100
PM-10	24-hr H6H	9.1	39.0	48.1	150
	Annual	-	-	-	-
PM-2.5	24-hr 98^{th}%	6.2	20.7	27.1	35
	Annual	2.5	6.6	9.1	12

NO_2 impacts were evaluated using the ARM2 with hourly seasonal background values added consistent with EPA modeling guidelines (so separate modeled and background values not available). Monte Carlo results are not required for multisource NAAQS.
Secondary PM-2.5 formation from MERPs included in PM-2.5 results.

TABLE 26
Criteria Pollutant Class I SILs and Increments

Pollutant	Averaging Interval	Maximum Modeled Impact on Receptor Ring (50 km) (µg/m^3)	Class I Significant Impact Level (µg/m^3)	Class I PSD Increment (µg/m^3)
NO_2	Annual	0.043	0.1	2.5
PM-10	24-Hour	0.071	0.3	25
	Annual	0.010	0.2	5
PM-2.5	24-Hour	0.135	0.27	2
	Annual	0.011	0.05	1

Secondary PM-2.5 were added to the primary PM-2.5 modeled concentrations using 0.0903 *u*g/m^{3}for 24-hour and 0.0039 *u*g/m^3 for annual.

Figure 1
MOD4 Stack Realignment

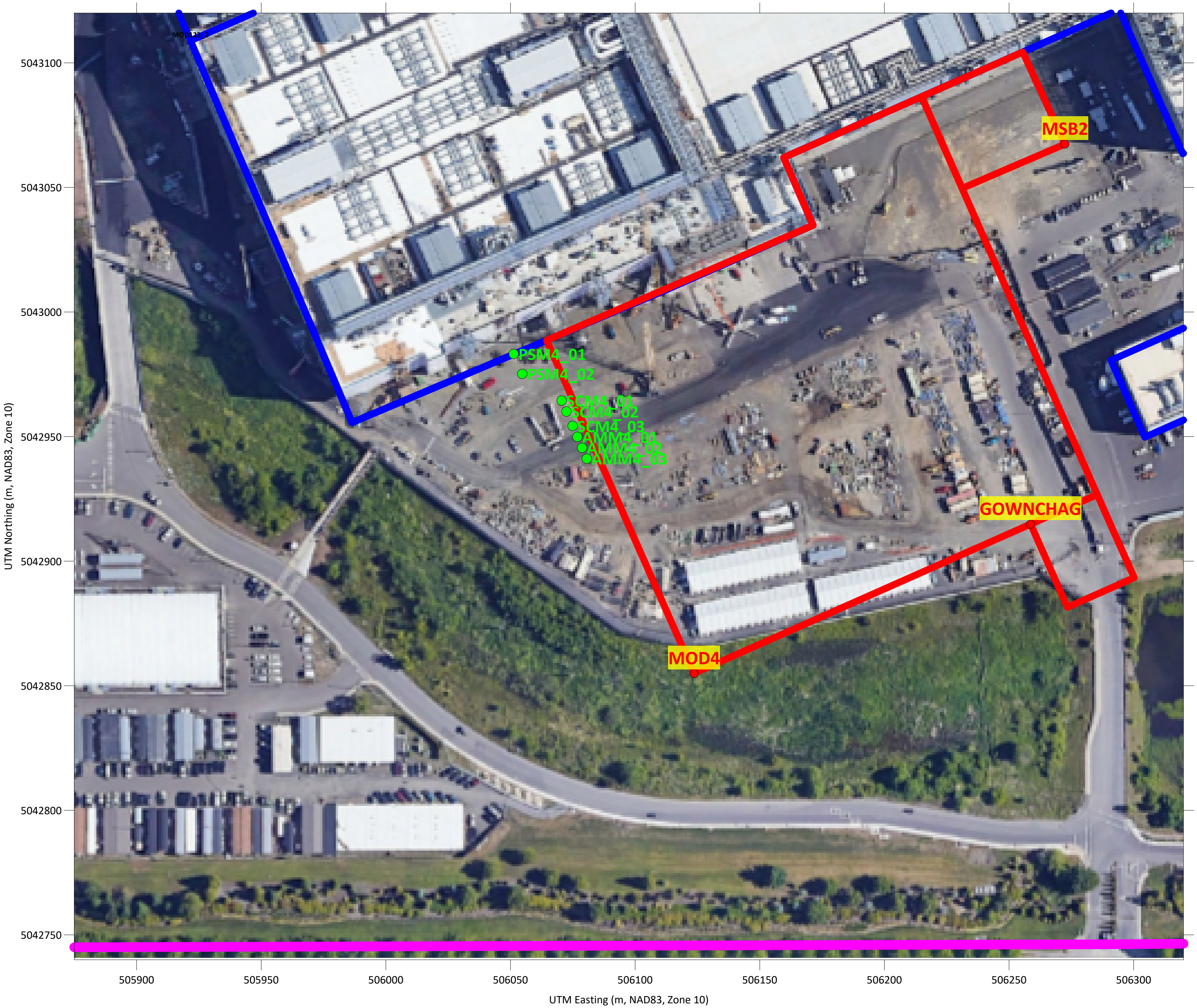

Figure 2
Building Revisions

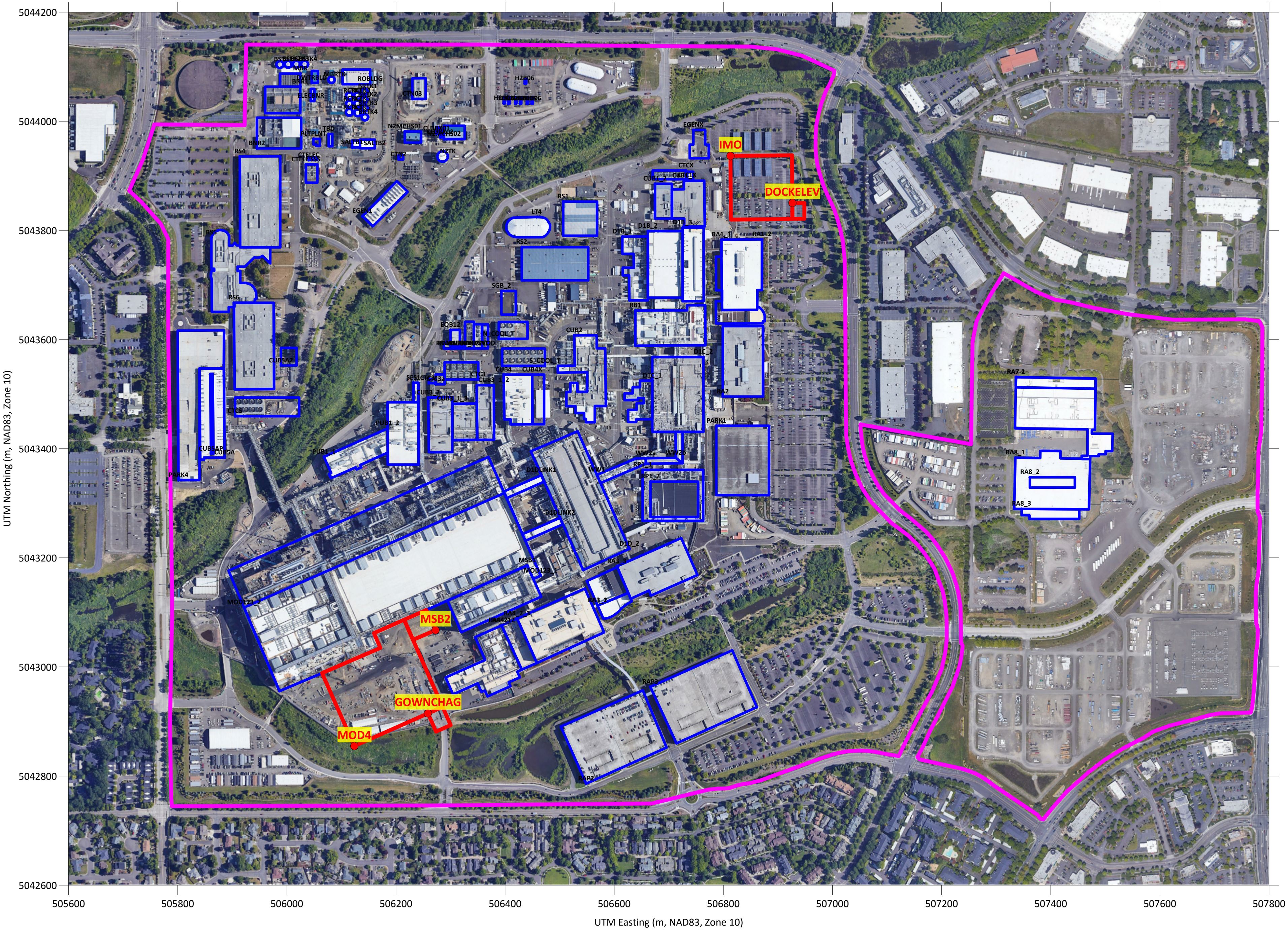

Figure 3
Source Locations

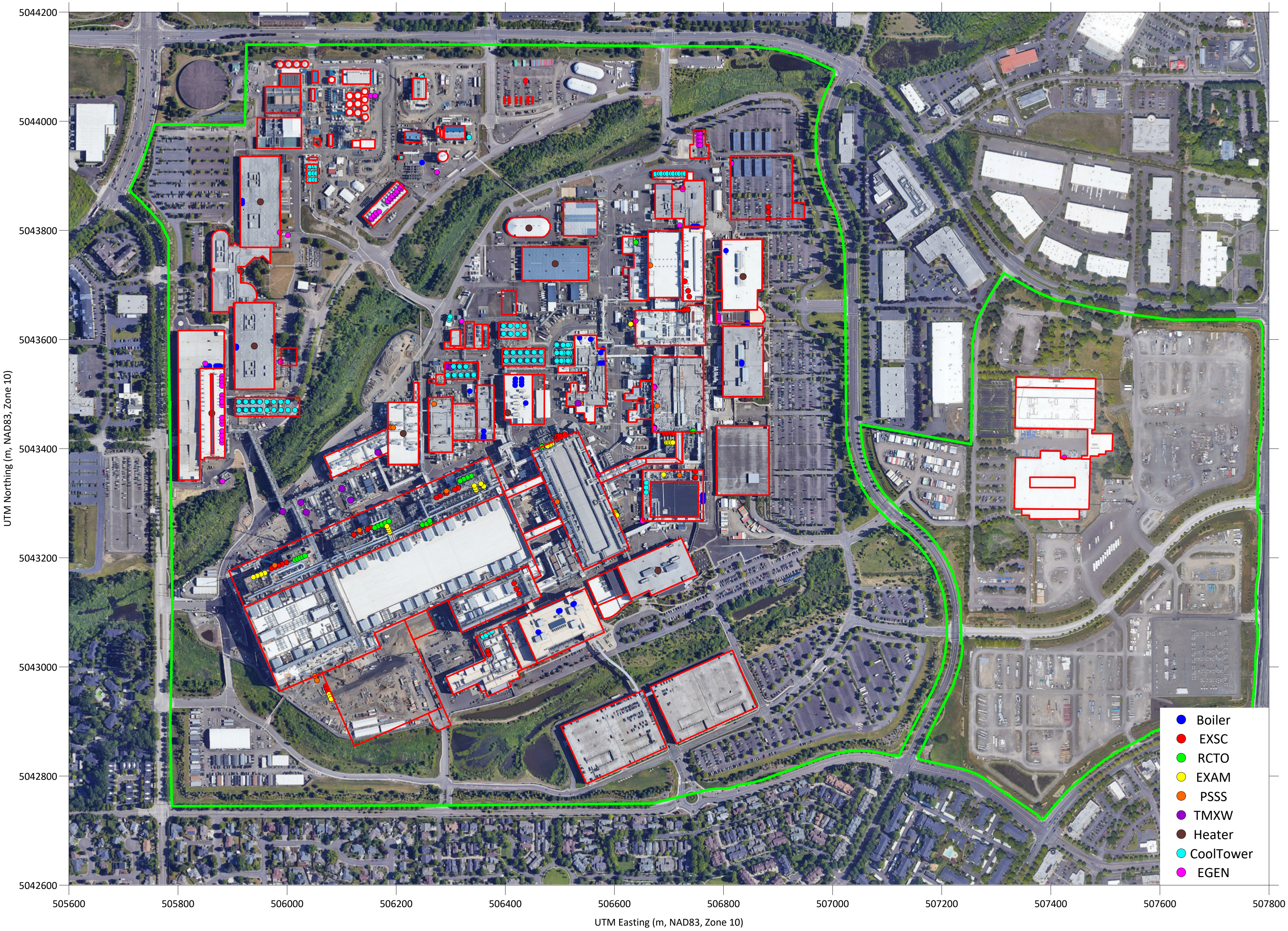

Figure 10
Maximum Impact Locations

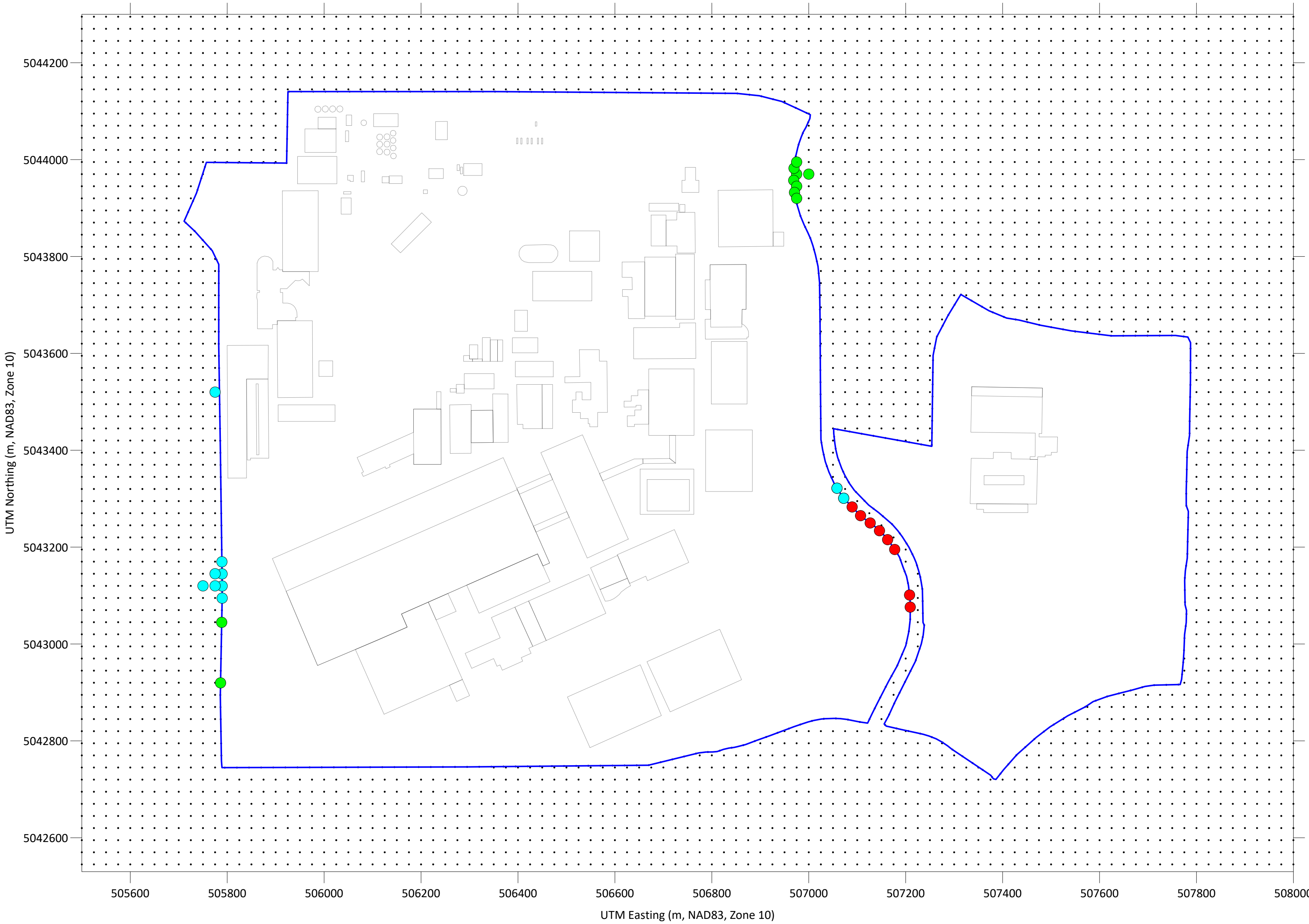

Figure 10: Locations of the 10 Max
24-Hour PM2.5 H8H Receptors (Red)
24-Hour PM2.5 H2H Receptors (Cyan)
and 1-HR NO2 H8H Receptors (Green)
Used in the EGEN Screening Modeling

Attachment A
Facility Stack Parameter Data

Version: 11/2/23 Update

Equipment Type	Building	Equipment ID	Stack ID	UTM Easting	UTM Northing	Elevation (m)	Stack Height (ft)	Stack Height (m)	Stack Diameter (ft)	Stack Diameter (m)	Adjusted Stack Flow Rate (ft³/min)	Adjusted Stack Flow Rate (m³/s)	Stack Velocity (ft/min)	Stack Velocity (ft/s)	Stack Velocity (m/s)	Stack Temperature (°F)	Stack Temperature (K)	NOx (lb/hr)	NOx (tpy)	CO (lb/hr)	CO (tpy)	PM (lb/hr)	PM (tpy)	PM_{10} (lb/hr)	PM_{10} (tpy)	$PM_{2.5}$ (lb/hr)	$PM_{2.5}$ (tpy)	SO_2 (lb/hr)	SO_2 (tpy)
Boiler	CUB1	F20-BLR115-1-200	BOC1_01	506743.17	5043806.7	62.70	99.00	30.18	2.67	0.81	6,266.76	2.96	1,122.06	18.70	5.70	210.00	372.04	3.40E-01	4.47E-01	1.15E+00	1.51E+00	7.72E-02	1.01E-01	7.72E-02	1.01E-01	7.72E-02	1.01E-01	8.03E-02	1.06E-01
Boiler	CUB1	F20-BLR115-2-200	BOC1_02	506745.67	5043806.7	62.70	99.00	30.18	2.67	0.81	6,266.76	2.96	1,122.06	18.70	5.70	210.00	372.04	3.40E-01	4.47E-01	1.15E+00	1.51E+00	7.72E-02	1.01E-01	7.72E-02	1.01E-01	7.72E-02	1.01E-01	8.03E-02	1.06E-01
Boiler	CUB1	F20-BLR115-3-200	BOC1_03	506748.17	5043806.7	62.70	99.00	30.18	2.67	0.81	6,266.76	2.96	1,122.06	18.70	5.70	210.00	372.04	3.40E-01	4.47E-01	1.15E+00	1.51E+00	7.72E-02	1.01E-01	7.72E-02	1.01E-01	7.72E-02	1.01E-01	8.03E-02	1.06E-01
Boiler	CUB1	F20-BLR115-4-200	BOC1_04	506750.67	5043806.7	62.70	99.00	30.18	2.00	0.61	6,241.00	2.95	1,986.57	33.11	10.09	210.00	372.04	3.31E-01	4.35E-01	1.12E+00	1.47E+00	7.50E-02	9.86E-02	7.50E-02	9.86E-02	7.50E-02	9.86E-02	7.80E-02	1.03E-01
Boiler	CUB1	F20-BLR115-5-200	BOC1_05	506753.17	5043806.7	62.70	99.00	30.18	2.00	0.61	6,241.00	2.95	1,986.57	33.11	10.09	350.00	449.82	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	RA1	RA1-MECH-B01	BOR1_01	506843.5	5043630.5	62.70	95.00	28.96	0.67	0.20	223.81	0.11	641.18	10.69	3.26	210.00	372.04	7.06E-02	9.28E-02	5.93E-02	7.79E-02	1.76E-03	2.32E-03	1.76E-03	2.32E-03	1.76E-03	2.32E-03	1.84E-03	2.41E-03
Boiler	RA1	RA1-MECH-B02	BOR1_02	506804.48	5043762.9	62.70	95.00	28.96	0.50	0.15	223.81	0.11	1,139.87	19.00	5.79	210.00	372.04	9.80E-02	1.29E-01	8.24E-02	1.08E-01	2.45E-03	3.22E-03	2.45E-03	3.22E-03	2.45E-03	3.22E-03	2.55E-03	3.35E-03
Boiler	CUB2	CUB2-BLR115-1-210	BOC2_01	506579.98	5043557.1	62.70	45.00	13.72	2.67	0.81	2,557.86	1.21	457.98	7.63	2.33	210.00	372.04	3.47E-01	4.56E-01	1.17E+00	1.54E+00	7.87E-02	1.03E-01	7.87E-02	1.03E-01	7.87E-02	1.03E-01	8.19E-02	1.08E-01
Boiler	CUB2	CUB2-BLR115-2-210	BOC2_02	506579.22	5043582.7	62.70	45.00	13.72	2.67	0.81	2,557.86	1.21	457.98	7.63	2.33	210.00	372.04	3.47E-01	4.56E-01	1.17E+00	1.54E+00	7.87E-02	1.03E-01	7.87E-02	1.03E-01	7.87E-02	1.03E-01	8.19E-02	1.08E-01
Boiler	CUB2	CUB2-BLR115-3-210	BOC2_03	506574.1	5043556.8	62.70	45.00	13.72	2.67	0.81	2,557.86	1.21	457.98	7.63	2.33	210.00	372.04	3.47E-01	4.56E-01	1.17E+00	1.54E+00	7.87E-02	1.03E-01	7.87E-02	1.03E-01	7.87E-02	1.03E-01	8.19E-02	1.08E-01
Boiler	CUB2	CUB2-BLR115-4-210	BOC2_04	506575	5043575.9	62.70	45.00	13.72	2.67	0.81	2,557.86	1.21	457.98	7.63	2.33	210.00	372.04	3.53E-01	4.64E-01	1.19E+00	1.57E+00	8.00E-02	1.05E-01	8.00E-02	1.05E-01	8.00E-02	1.05E-01	8.32E-02	1.09E-01
Boiler	CUB2	CUB2-BLR115-5-210	BOC2_05	506536.08	5043603.2	62.70	45.00	13.72	2.00	0.61	6,241.00	2.95	1,986.57	33.11	10.09	210.00	372.04	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	CUB2	CUB2-BLR115-6-210	BOC2_06	506556.51	5043600.4	62.70	45.00	13.72	2.00	0.61	6,241.00	2.95	1,986.57	33.11	10.09	210.00	372.04	3.31E-01	4.35E-01	1.12E+00	1.47E+00	7.50E-02	9.86E-02	7.50E-02	9.86E-02	7.50E-02	9.86E-02	7.80E-02	1.03E-01
Boiler	RA4	RA4-BLR152-2-30	BOR4_01	506497.72	5043102.2	62.70	121.06	36.90	0.67	0.20	270.58	0.13	775.15	12.92	3.94	350.00	449.82	1.96E-01	2.58E-01	1.65E-01	2.16E-01	4.90E-03	6.44E-03	4.90E-03	6.44E-03	4.90E-03	6.44E-03	5.10E-03	6.70E-03
Boiler	RA4	RA4-BLR152-1-30	BOR4_02	506500.12	5043103	62.70	121.06	36.90	0.67	0.20	270.58	0.13	775.15	12.92	3.94	350.00	449.82	1.96E-01	2.58E-01	1.65E-01	2.16E-01	4.90E-03	6.44E-03	4.90E-03	6.44E-03	4.90E-03	6.44E-03	5.10E-03	6.70E-03
Boiler	RA4	RA4-BLR117-2-30	BOR4_03	506524.09	5043114.7	62.70	132.00	40.23	1.00	0.30	1,771.91	0.84	2,256.07	37.60	11.46	350.00	449.82	1.96E-01	2.58E-01	1.65E-01	2.16E-01	4.90E-03	6.44E-03	4.90E-03	6.44E-03	4.90E-03	6.44E-03	5.10E-03	6.70E-03
Boiler	RA4	RA4-BLR117-1-30	BOR4_04	506526.12	5043116.1	62.70	132.00	40.23	1.00	0.30	1,771.91	0.84	2,256.07	37.60	11.46	350.00	449.82	1.96E-01	2.58E-01	1.65E-01	2.16E-01	4.90E-03	6.44E-03	4.90E-03	6.44E-03	4.90E-03	6.44E-03	5.10E-03	6.70E-03
Boiler	RA4	RA4-BLR117-3-30	BOR4_05	506460.1	5043063.7	62.70	132.00	40.23	2.00	0.61	6,594.41	3.11	2,099.07	34.98	10.66	350.00	449.82	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	RA4	RA4-BLR117-4-30	BOR4_06	506460.94	5043063.7	62.70	132.00	40.23	2.00	0.61	6,594.41	3.11	2,099.07	34.98	10.66	350.00	449.82	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	CUB3	BLR-115-1-210	BOC3_01	506360.1	5043421.3	62.70	51.00	15.54	1.50	0.46	870.44	0.41	492.57	8.21	2.50	300.00	422.04	4.90E-01	6.44E-01	2.98E-01	3.92E-01	2.00E-02	2.63E-02	2.00E-02	2.63E-02	2.00E-02	2.63E-02	2.08E-02	2.73E-02
Boiler	CUB3	BLR-115-2-210	BOC3_02	506360.1	5043423.2	62.70	51.00	15.54	2.67	0.81	3,481.75	1.64	623.40	10.39	3.17	300.00	422.04	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	CUB3	BLR-115-3-210	BOC3_03	506360.3	5043432.1	62.70	51.00	15.54	2.67	0.81	3,481.75	1.64	623.40	10.39	3.17	300.00	422.04	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	CUB3	BLR-115-4-210	BOC3_04	506359.8	5043418.4	62.70	51.00	15.54	2.67	0.81	1,523.26	0.72	272.74	4.55	1.39	300.00	422.04	3.53E-01	4.64E-01	1.19E+00	1.57E+00	8.00E-02	1.05E-01	8.00E-02	1.05E-01	8.00E-02	1.05E-01	8.32E-02	1.09E-01
Boiler	CUB3	BLR-115-5-210	BOC3_05	506360.1	5043419.9	62.70	51.00	15.54	2.00	0.61	2,200.75	1.04	700.52	11.68	3.56	300.00	422.04	5.15E-01	6.76E-01	5.22E-01	6.86E-01	3.50E-02	4.60E-02	3.50E-02	4.60E-02	3.50E-02	4.60E-02	3.64E-02	4.79E-02
Boiler	CUB3	BLR-115-6-210	BOC3_06	506334.9	5043505.4	62.70	51.00	15.54	2.00	0.61	2,200.75	1.04	700.52	11.68	3.56	300.00	422.04	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	RP1	RP1-BLR115-1-210	BORP1_01	506762	5043315.3	62.70	42.00	12.80	1.67	0.51	1,303.38	0.62	597.43	9.96	3.03	294.00	418.71	1.50E-01	1.97E-01	5.08E-01	6.68E-01	3.41E-02	4.48E-02	3.41E-02	4.48E-02	3.41E-02	4.48E-02	3.54E-02	4.66E-02
Boiler	RP1	RP1-BLR115-2-210	BORP1_02	506762	5043311.1	62.70	42.00	12.80	1.67	0.51	1,303.38	0.62	597.43	9.96	3.03	294.00	418.71	1.32E-01	1.74E-01	4.48E-01	5.88E-01	3.00E-02	3.94E-02	3.00E-02	3.94E-02	3.00E-02	3.94E-02	3.12E-02	4.10E-02
Boiler	RP1	RP1-BLR115-3-210	BORP1_03	506762	5043307	62.70	42.00	12.80	1.67	0.51	1,303.38	0.62	597.43	9.96	3.03	294.00	418.71	1.32E-01	1.74E-01	4.48E-01	5.88E-01	3.00E-02	3.94E-02	3.00E-02	3.94E-02	3.00E-02	3.94E-02	3.12E-02	4.10E-02
Boiler	RP1	RP1-BLR115-4-210	BORP1_04	506762	5043302.8	62.70	42.00	12.80	1.67	0.51	454.57	0.21	208.36	3.47	1.06	350.00	449.82	1.27E-01	1.66E-01	4.28E-01	5.63E-01	2.87E-02	3.77E-02	2.87E-02	3.77E-02	2.87E-02	3.77E-02	2.99E-02	3.92E-02
Boiler	CUB4	CUB4-BLR115-1-10	BOC4_01	506418.13	5043522	62.70	86.50	26.37	1.67	0.51	4,645.00	2.19	2,129.11	35.49	10.82	350.00	449.82	1.54E-01	2.03E-01	5.22E-01	6.86E-01	3.50E-02	4.60E-02	3.50E-02	4.60E-02	3.50E-02	4.60E-02	3.64E-02	4.79E-02
Boiler	CUB4	CUB4-BLR115-2-10	BOC4_02	506418.4	5043527.6	62.70	86.50	26.37	2.00	0.61	8,530.00	4.03	2,715.18	45.25	13.79	350.00	449.82	3.31E-01	4.35E-01	1.12E+00	1.47E+00	7.50E-02	9.86E-02	7.50E-02	9.86E-02	7.50E-02	9.86E-02	7.80E-02	1.03E-01
Boiler	CUB4	CUB4-BLR115-3-10	BOC4_03	506429.87	5043517.1	62.70	86.50	26.37	2.00	0.61	8,530.00	4.03	2,715.18	45.25	13.79	350.00	449.82	3.31E-01	4.35E-01	1.12E+00	1.47E+00	7.50E-02	9.86E-02	7.50E-02	9.86E-02	7.50E-02	9.86E-02	7.80E-02	1.03E-01
Boiler	CUB4	CUB4-BLR115-4-10	BOC4_04	506429.87	5043522.4	62.70	86.50	26.37	2.00	0.61	8,530.00	4.03	2,715.18	45.25	13.79	350.00	449.82	3.31E-01	4.35E-01	1.12E+00	1.47E+00	7.50E-02	9.86E-02	7.50E-02	9.86E-02	7.50E-02	9.86E-02	7.80E-02	1.03E-01
Boiler	CUB4	CUB4-BLR115-5-10	BOC4_05	506429.87	5043527.8	62.70	86.50	26.37	2.00	0.61	8,530.00	4.03	2,715.18	45.25	13.79	350.00	449.82	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	CUB4	CUB4-BLR115-6-10	BOC4_06	506417.92	5043516.1	62.70	86.50	26.37	2.00	0.61	8,530.00	4.03	2,715.18	45.25	13.79	350.00	449.82	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	CUB4x	CUB4-BLR115-7-10	BOC4_07	506437.44	5043483.6	62.70	86.50	26.37	2.00	0.61	8,530.00	4.03	2,715.18	45.25	13.79	350.00	449.82	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	CUB5	RAC5-BLR115-1	BOC5_01	505876.9	5043551.4	62.70	91.60	27.92	2.00	0.61	8,530.00	4.03	2,715.18	45.25	13.79	350.00	449.82	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	CUB5	RAC5-BLR115-2	BOC5_02	505874.6	5043551.4	62.70	91.60	27.92	2.00	0.61	8,530.00	4.03	2,715.18	45.25	13.79	350.00	449.82	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	CUB5	RAC5-BLR115-3	BOC5_03	505872.1	5043551.4	62.70	91.60	27.92	2.00	0.61	8,530.00	4.03	2,715.18	45.25	13.79	350.00	449.82	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	CUB5	RAC5-BLR115-4	BOC5_04	505869.5	5043551.4	62.70	91.60	27.92	2.00	0.61	8,530.00	4.03	2,715.18	45.25	13.79	350.00	449.82	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	RA2	RA2-BLR115-1-300	BOR2_01	506833.31	5043555.2	62.70	95.00	28.96	1.17	0.36	216.46	0.10	202.49	3.37	1.03	188.00	359.82	4.54E-02	5.96E-02	1.54E-01	2.02E-01	1.03E-02	1.35E-02	1.03E-02	1.35E-02	1.03E-02	1.35E-02	1.07E-02	1.41E-02
Boiler	RA2	RA2-BLR115-2-300	BOR2_02	506833.31	5043558.3	62.70	95.00	28.96	1.17	0.36	216.46	0.10	202.49	3.37	1.03	188.00	359.82	4.54E-02	5.96E-02	1.54E-01	2.02E-01	1.03E-02	1.35E-02	1.03E-02	1.35E-02	1.03E-02	1.35E-02	1.07E-02	1.41E-02
Boiler	RS4	RS4-BLR115-1	BORS4_01	505917.6	5043854.6	62.70	54.00	16.46	1.00	0.30	1,771.91	0.84	2,256.07	37.60	11.46	350.00	449.82	7.20E-02	9.46E-02	7.31E-02	9.61E-02	4.90E-03	6.44E-03	4.90E-03	6.44E-03	4.90E-03	6.44E-03	5.10E-03	6.70E-03
Boiler	RS4	RS4-BLR115-2	BORS4_02	505917.6	5043851.9	62.70	54.00	16.46	1.00	0.30	1,771.91	0.84	2,256.07	37.60	11.46	350.00	449.82	7.20E-02	9.46E-02	7.31E-02	9.61E-02	4.90E-03	6.44E-03	4.90E-03	6.44E-03	4.90E-03	6.44E-03	5.10E-03	6.70E-03
Boiler	RS4	RS4-BLR115-3	BORS4_03	505917.6	5043849.4	62.70	54.00	16.46	0.67	0.20	270.58	0.13	775.15	12.92	3.94	350.00	449.82	1.80E-02	2.37E-02	1.83E-02	2.40E-02	1.23E-03	1.61E-03	1.23E-03	1.61E-03	1.23E-03	1.61E-03	1.27E-03	1.67E-03
Boiler	RS6	RS6-BLR115-1	BORS6_01	505906.8	5043587.5	62.70	54.00	16.46	1.00	0.30	1,771.91	0.84	2,256.07	37.60	11.46	350.00	449.82	7.20E-02	9.46E-02	7.31E-02	9.61E-02	4.90E-03	6.44E-03	4.90E-03	6.44E-03	4.90E-03	6.44E-03	5.10E-03	6.70E-03
Boiler	RS6	RS6-BLR115-2	BORS6_02	505906.8	5043586.1	62.70	54.00	16.46	1.00	0.30	1,771.91	0.84	2,256.07	37.60	11.46	350.00	449.82	7.20E-02	9.46E-02	7.31E-02	9.61E-02	4.90E-03	6.44E-03	4.90E-03	6.44E-03	4.90E-03	6.44E-03	5.10E-03	6.70E-03
Boiler	RS6	RS6-BLR115-3	BORS6_03	505906.8	5043584.7	62.70	54.00	16.46	0.67	0.20	270.58	0.13	775.15	12.92	3.94	350.00	449.82	1.80E-02	2.37E-02	1.83E-02	2.40E-02	1.23E-03	1.61E-03	1.23E-03	1.61E-03	1.23E-03	1.61E-03	1.27E-03	1.67E-03
Boiler	F15	F15-BLR28-1-1	BOF15_01	508932.88	5037867.8	69.40	66.00	20.12	2.50	0.76	4,754.49	2.24	968.58	16.14	4.92	124.00	324.26	2.26E-01	2.97E-01	7.65E-01	1.00E+00	5.13E-02	6.74E-02	5.13E-02	6.74E-02	5.13E-02	6.74E-02	5.33E-02	7.01E-02
Boiler	F15	F15-BLR28-1-2	BOF15_02	508934.61	5037866.7	69.40	66.00	20.12	2.50	0.76	4,754.49	2.24	968.58	16.14	4.92	124.00	324.26	2.26E-01	2.97E-01	7.65E-01	1.00E+00	5.13E-02	6.74E-02	5.13E-02	6.74E-02	5.13E-02	6.74E-02	5.33E-02	7.01E-02
Boiler	F15	F15-BLR28-1-3	BOF15_03	508933.22	5037866.3	69.40	47.00	14.33	2.50	0.76	4,754.49	2.24	968.58	16.14	4.92	124.00	324.26	2.26E-01	2.97E-01	7.65E-01	1.00E+00	5.13E-02	6.74E-02	5.13E-02	6.74E-02	5.13E-02	6.74E-02	5.33E-02	7.01E-02
Boiler	F15	F15-HW35-3	BOF15_04	509007.08	5037758.4	69.40	75.53	23.02	0.50	0.15	195.08	0.09	993.56	16.56	5.05	124.00	324.26	5.88E-02	7.73E-02	4.94E-02	6.49E-02	1.47E-03	1.93E-03	1.47E-03	1.93E-03	1.47E-03	1.93E-03	1.53E-03	2.01E-03
Boiler	F15	F15-HW35-4	BOF15_05	508958.08	5037797.2	69.40	75.50	23.01	0.50	0.15	156.45	0.07	796.78	13.28	4.05	150.00	338.71	5.88E-02	7.73E-02	4.94E-02	6.49E-02	1.47E-03	1.93E-03	1.47E-03	1.93E-03	1.47E-03	1.93E-03	1.53E-03	2.01E-03
Boiler	CUB5	RAC5-BLR115-5	BOC5_05	505857.7	5043551.4	62.70	91.60	27.92	2.00	0.61	6,594.41	3.11	2,099.07	34.98	10.66	350.00	449.82	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	CUB5	RAC5-BLR115-6	BOC5_06	505855.4	5043551.4	62.70	91.60	27.92	2.00	0.61	6,594.41	3.11	2,099.07	34.98	10.66	350.00	449.82	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	CUB5	RAC5-BLR115-7	BOC5_07	505853.3	5043551.4	62.70	91.60	27.92	2.00	0.61	6,594.41	3.11	2,099.07	34.98	10.66	350.00	449.82	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	CUB5	RAC5-BLR115-8	BOC5_08	505851.5	5043551.4	62.70	91.60	27.92	2.00	0.61	6,594.41	3.11	2,099.07	34.98	10.66	350.00	449.82	3.18E-01	4.17E-01	1.07E+00	1.41E+00	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.20E-02	9.47E-02	7.49E-02	9.84E-02
Boiler	N2 Plant	N2-BLR117-1A-30	BON2_02	506247.36	5043924.4	62.70	23.00	7.01	2.30	0.70	2,582.41	1.22	623.40	10.39	3.17	300.00	422.04	4.93E-01	6.47E-01	1.67E+00	2.19E+00	1.12E-01	1.47E-01	1.12E-01	1.47E-01	1.12E-01	1.47E-01	1.16E-01	1.53E-01
Boiler	N2 Plant	N2-BLR117-1B-30	BON2_03	506247.36	5043924.4	62.70	23.00	7.01	2.30	0.70	2,582.41	1.22	623.40	10.39	3.17	300.00	422.04	4.93E-01	6.47E-01	1.67E+00	2.19E+00	1.12E-01	1.47E-01	1.12E-01	1.47E-01	1.12E-01	1.47E-01	1.16E-01	1.53E-01
RCTO	D1B	D1B Combined Modeling Stack	TODB_M	506639.16	5043778.1	62.70	80.00	24.38	3.00	0.91	16,125.00	7.61	2,281.22	38.02	11.59	650.00	616.48	2.16E+00	9.45E+00	1.49E+00	6.52E+00	6.44E-01	2.39E+00	6.44E-01	2.39E+00	6.44E-01	2.39E+00	5.61E-02	2.46E-01
RCTO	D1C	D1C-VOC138-1-120	TODC_01	506742.79	5043430.5	62.70	120.00	36.58	1.00	0.30	3,400.00	1.60	4,329.01	72.15	21.99	650.00	616.48	1.96E-01	8.59E-01	1.51E+00	6.64E+00	5.40E-02	2.01E-01	5.40E-02	2.01E-01	5.40E-02	2.01E-01	5.10E-03	2.23E-02
RCTO	D1C	D1C-VOC138-2-120	TODC_02	506742.68	5043432.2	62.70	120.00	36.58	1.00	0.30	3,400.00	1.60	4,329.01	72.15	21.99	650.00	616.48	1.96E-01	8.59E-01	1.51E+00	6.64E+00	5.40E-02	2.01E-01	5.40E-02	2.01E-01	5.40E-02	2.01E-01	5.10E-03	2.23E-02
RCTO	D1C	D1C-VOC138-3-120	TODC_03	506744.57	5043432.3	62.70	120.00	36.58	1.00	0.30	3,400.00	1.60	4,329.01	72.15	21.99	650.00	616.48	1.96E-01	8.59E-01	1.51E+00	6.64E+00	5.40E-02	2.01E-01	5.40E-02	2.01E-01	5.40E-02	2.01E-01	5.10E-03	2.23E-02
RCTO	D1D	VOC-138-1-120	TODD_01	506467.03	5043403.9	62.70	89.00	27.13	1.50	0.46	3,400.00	1.60	1,924.01	32.07	9.77	650.00	616.48	1.96E-01	8.59E-01	1.12E+00	4.92E+00	1.46E-01	5.36E-01	1.46E-01	5.36E-01	1.46E-01	5.36E-01	5.10E-03	2.23E-02
RCTO	D1D	VOC-138-2-120	TODD_02	506467.03	5043403.9	62.70	89.00	27.13	1.50	0.46	3,400.00	1.60	1,924.01	32.07	9.77	650.00	616.48	1.96E-01	8.59E-01	1.12E+00	4.92E+00	1.46E-01	5.36E-01	1.46E-01	5.36E-01	1.46E-01	5.36E-01	5.10E-03	2.23E-02
RCTO	D1D	VOC-138-3-120	TODD_03	506467.03	5043403.9	62.70	89.00	27.13	1.50	0.46	3,400.00	1.60	1,924.01	32.07	9.77	650.00	616.48	1.96E-01	8.59E-01	1.12E+00	4.92E+00	1.46E-01	5.36E-01	1.46E-01	5.36E-01	1.46E-01	5.36E-01	5.10E-03	2.23E-02
RCTO	D1D	VOC-138-4-120	TODD_04	506467.03	5043403.9	62.70	89.00	27.13	1.50	0.46	3,400.00	1.60	1,924.01	32.07	9.77	650.00	616.48	1.96E-01	8.59E-01	1.12E+00	4.92E+00	1.46E-01	5.36E-01	1.46E-01	5.36E-01	1.46E-01	5.36E-01	5.10E-03	2.23E-02
RCTO	D1D	VOC-138-5-120	TODD_05	506467.03	5043403.9	62.70	89.00	27.13	3.00	0.91	16,125.00	7.61	2,281.22	38.02	11.59	650.00	616.48	7.84E-01	3.44E+00	5.41E-01	2.37E+00	1.61E-01	6.01E-01	1.61E-01	6.01E-01	1.61E-01	6.01E-01	2.04E-02	8.93E-02
RCTO	D1D	VOC-138-6-120	TODD_06	506467.03	5043403.9	62.70	89.00	27.13	3.00	0.91	16,125.00	7.61	2,281.22	38.02	11.59	650.00	616.48	7.84E-01	3.44E+00	5.41E-01	2.37E+00	1.61E-01	6.01E-01	1.61E-01	6.01E-01	1.61E-01	6.01E-01	2.04E-02	8.93E-02
RCTO	D1XM1	D1XM1-VOC138-1-20	TOM1_01	506337.39	5043349.8	62.70	120.00	36.58	2.00	0.61	6,400.00	3.02	2,037.18	33.95	10.35	650.00	616.48	3.43E-01	1.50E+00	2.37E-01	1.04E+00	2.75E-02	1.07E-01	2.75E-02	1.07E-01	2.75E-02	1.07E-01	8.92E-03	3.91E-02
RCTO	D1XM1	D1XM1-VOC138-2-20	TOM1_02	506330.48	5043347.1	62.70	120.00	36.58	2.00	0.61	6,400.00	3.02	2,037.18	33.95	10.35	650.00	616.48	3.43E-01	1.50E+00	2.37E-01	1.04E+00	2.75E-02	1.07E-01	2.75E-02	1.07E-01	2.75E-02	1.07E-01	8.92E-03	3.91E-02
RCTO	D1XM1	D1XM1-VOC138-3-20	TOM1_03	506323.67	5043344.1	62.70	120.00	36.58	2.00	0.61	6,400.00	3.02	2,037.18	33.95	10.35	650.00	616.48	3.43E-01	1.50E+00	2.37E-01	1.04E+00	2.75E-02	1.07E-01	2.75E-02	1.07E-01	2.75E-02	1.07E-01	8.92E-03	3.91E-02
RCTO	D1XM1	D1XM1-VOC138-4-20	TOM1_04	506317.28	5043340.9	62.70	120.00	36.58	2.00	0.61	6,400.00	3.02	2,037.18	33.95	10.35	650.00	616.48	3.43E-01	1.50E+00	2.37E-01	1.04E+00	2.75E-02	1.07E-01	2.75E-02	1.07E-01	2.75E-02	1.07E-01	8.92E-03	3.91E-02
RCTO	D1XM1	D1XM1-VOC138-5-20 (Anguil RCTO D1X-1)	TWM1_01	506247.98	5043260.6	62.70	120.00	36.58	3.00	0.91	13,575.00	6.41	1,920.47	32.01	9.76	650.00	616.48	7.84E-01	3.44E+00	5.41E-01	2.37E+00	1.61E-01	5.92E-01	1.61E-01	5.92E-01	1.61E-01	5.92E-01	2.04E-02	8.93E-02
RCTO	D1XM1	D1XM1-VOC138-6-20 (Anguil RCTO D1X-2)	TWM1_02	506255.54	5043261.9	62.70	120.00	36.58	3.00	0.91	13,575.00	6.41	1,920.47	32.01	9.76	650.00	616.48	7.84E-01	3.44E+00	5.41E-01	2.37E+00	4.27E-01	1.57E+00	4.27E-01	1.57E+00	4.27E-01	1.57E+00	2.04E-02	8.93E-02
RCTO	D1XM1	D1XM1-VOC138-7-20 (Anguil RCTO D1X-3)	TWM1_03	506262.23	5043264.7	62.70	120.00	36.58	3.00	0.91	13,575.00	6.41	1,920.47	32.01	9.76	650.00	616.48	7.84E-01	3.44E+00	5.41E-01	2.37E+00	4.27E-01	1.57E+00	4.27E-01	1.57E+00	4.27E-01	1.57E+00	2.04E-02	8.93E-02
RCTO	D1XM1	D1XM1-VOC138-8-20 (Anguil RCTO D1X-4)	TWM1_04	506261.15	5043267.8	62.70	120.00	36.58	3.00	0.91	13,575.00	6.41	1,920.47	32.01	9.76	650.00	616.48	7.84E-01	3.44E+00	5.41E-01	2.37E+00	1.61E-01	5.92E-01	1.61E-01	5.92E-01	1.61E-01	5.92E-01	2.04E-02	8.93E-02
RCTO	D1XM2	Anguil RCTO D1XM2-1	TIM2_06	506166.5	5043258	62.70	120.00	36.58	3.00	0.91	13,575.00	6.41	1,920.47	32.01	9.76	650.00	616.48	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RCTO	D1XM2	Anguil RCTO D1XM2-2	TIM2_07	506173.37	5043260.9	62.70	120.00	36.58	3.00	0.91	13,575.00	6.41	1,920.47	32.01	9.76	650.00	616.48	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RCTO	D1XM2	Anguil RCTO D1XM2-3	TIM2_08	506180.17	5043264.1	62.70	120.00	36.58	3.00	0.91	13,575.00	6.41	1,920.47	32.01	9.76	650.00	616.48	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-01	1.66E+00	4.51E-01	1.66E+00	4.51E-01	1.66E+00	0.00E+00	0.00E+00
RCTO	D1XM2	Anguil RCTO D1XM2-4	TIM2_09	506186.76	5043267	62.70	120.00	36.58	3.00	0.91	13,575.00	6.41	1,920.47	32.01	9.76	650.00	616.48	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RCTO	D1XM2	Anguil RCTO D1XM2-5	TIM2_01	506160.52	5043255.2	62.70	120.00	36.58	3.00	0.91	13,575.00	6.41	1,920.47	32.01	9.76	650.00	616.48	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RCTO	D1XM3	D1XM3-VOC138-1-20	TIM3_01	506014.27	5043196.1	62.70	120.00	36.58	3.00	0.91	13,575.00	6.41	1,920.47	32.01	9.76	650.00	616.48	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-01	1.66E+00	4.51E-01	1.66E+00	4.51E-01	1.66E+00	0.00E+00	0.00E+00
RCTO	D1XM3	D1XM3-VOC138-2-20	TIM3_02	506018.88	5043198	62.70	120.00	36.58	3.00	0.91	13,575.00	6.41	1,920.47	32.01	9.76	650.00	616.48	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RCTO	D1XM3	D1XM3-VOC138-3-20	TIM3_03	506023.5	5043200	62.70	120.00	36.58	3.00	0.91	13,575.00	6.41	1,920.47	32.01	9.76	650.00	616.48	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RCTO	D1XM3	D1XM3-VOC138-4-20	TIM3_04	506028.11	5043201.9	62.70	120.00	36.58	3.00	0.91	13,575.00	6.41	1,920.47	32.01	9.76	650.00	616.48	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RCTO	D1XM3	D1XM3-VOC138-5-20	TIM3_05	506032.72	5043203.8	62.70	120.00	36.58	3.00	0.91	13,575.00	6.41	1,920.47	32.01	9.76	650.00	616.48	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RCTO	F15	F15-VOC-138-2-10	TOF15_02	508892.79	5037747.4	69.40	68.00	20.73	1.25	0.38	3,400.00	1.60	2,770.57	46.18	14.07	650.00	616.48	1.96E-01	8.59E-01	1.86E+00	8.16E+00	1.69E-02	6.51E-02	1.69E-02	6.51E-02	1.69E-02	6.51E-02	5.10E-03	2.23E-02
RCTO	F15	F15-VOC-138-3-10	TOF15_03	508886.63	5037752.4	69.40	68.00	20.73	1.37	0.42	3,400.00	1.60	2,290.82	38.18	11.64	650.00	616.48	1.96E-01	8.59E-01	1.35E-01	5.93E-01	1.69E-02	6.51E-02	1.69E-02	6.51E-02	1.69E-02	6.51E-02	5.10E-03	2.23E-02
RCTO	AL3	AL3-VOC-138-10	TOA3_01	508883.2	5037731.6	69.40	68.00	20.73	1.50	0.46	3,400.00	1.60	1,924.01	32.07	9.77	650.00	616.48	1.96E-01	8.59E-01	1.35E-01	5.93E-01	1.69E-02	6.51E-02	1.69E-02	6.51E-02	1.69E-02	6.51E-02	5.10E-03	2.23E-02
RCTO	F15	F15-VOC-138-1-10	TOF15_01	508898.87	5037746.7	69.40	68.00	20.73	1.17	0.36	3,400.00	1.60	3,173.36	52.89	16.12	650.00	616.48	1.96E-01	8.59E-01	1.86E+00	8.16E+00	1.69E-02	6.51E-02	1.69E-02	6.51E-02	1.69E-02	6.51E-02	5.10E-03	2.23E-02
RCTO	F15	F15-VOC-138-4-10	TOF15_04	508968.04	5037707.5	69.40	68.00	20.73	1.50	0.46	3,400.00	1.60	1,924.01	32.07	9.77	650.00	616.48	1.96E-01	8.59E-01	1.35E-01	5.93E-01	1.69E-02	6.51E-02	1.69E-02	6.51E-02	1.69E-02	6.51E-02	5.10E-03	2.23E-02
EXSC	D1B	F20-SC133-1-111	SCDB_01	506735.04	5043689.3	62.70	96.00	29.26	3.50	1.07	35,750.00	16.87	3,715.78	61.93	18.88	64.99	291.48	1.29E+00	4.71E+00	2.42E+00	8.85E+00	2.55E-01	9.36E-01	2.51E-01	9.21E-01	2.46E-01	8.98E-01	1.09E-01	3.99E-01
EXSC	D1B	F20-SC133-2-111	SCDB_02	506737.08	5043678.6	62.70	96.00	29.26	3.50	1.07	35,750.00	16.87	3,715.78	61.93	18.88	64.99	291.48	1.29E+00	4.71E+00	2.42E+00	8.85E+00	2.55E-01	9.36E-01	2.51E-01	9.21E-01	2.46E-01	8.98E-01	1.09E-01	3.99E-01
EXSC	D1B	F20-SC133-3-111	SCDB_03	506729.16	5043706.8	62.70	96.00	29.26	3.50	1.07	35,750.00	16.87	3,715.78	61.93	18.88	64.99	291.48	1.29E+00	4.71E+00	2.42E+00	8.85E+00	2.55E-01	9.36E-01	2.51E-01	9.21E-01	2.46E-01	8.98E-01	1.09E-01	3.99E-01
EXSC	D1A	D1A Combined Modeling Stack	SCDA_01	506882.28	5043833.3	62.70	146.00	44.50	3.50	1.07	16,500.00	7.79	1,714.98	28.58	8.71	64.99	291.48	8.61E-01	3.14E+00	1.62E+00	5.90E+00	1.70E-01	6.24E-01	1.68E-01	6.14E-01	1.64E-01	5.98E-01	7.29E-02	2.66E-01
EXSC	D1A	D1A Combined Modeling Stack	SCDA_02	506882.28	5043821.7	62.70	146.00	44.50	3.50	1.07	16,500.00	7.79	1,714.98	28.58	8.71	64.99	291.48	8.61E-01	3.14E+00	1.62E+00	5.90E+00	1.70E-01	6.24E-01	1.68E-01	6.14E-01	1.64E-01	5.98E-01	7.29E-02	2.66E-01
EXSC	D1A	D1A Combined Modeling Stack	SCDA_03	506882.36	5043843.2	62.70	146.00	44.50	3.50	1.07	16,500.00	7.79	1,714.98	28.58	8.71	64.99	291.48	8.61E-01	3.14E+00	1.62E+00	5.90E+00	1.70E-01	6.24E-01	1.68E-01	6.14E-01	1.64E-01	5.98E-01	7.29E-02	2.66E-01
EXSC	D1C	D1C-SC133-1-100	SCDC_01	506691.63	5043427.3	62.70	70.00	21.34	4.00	1.22	32,500.00	15.34	2,586.27	43.10	13.14	64.99	291.48	9.10E-01	3.32E+00	1.71E+00	6.23E+00	1.81E-01	6.67E-01	1.78E-01	6.54E-01	1.73E-01	6.32E-01	7.70E-02	2.81E-01
EXSC	D1C	D1C-SC133-2-100	SCDC_02	506697.17	5043427.4	62.70	70.00	21.34	4.00	1.22	32,500.00	15.34	2,586.27	43.10	13.14	64.99	291.48	9.10E-01	3.32E+00	1.71E+00	6.23E+00	1.81E-01	6.67E-01	1.78E-01	6.54E-01	1.73E-01	6.32E-01	7.70E-02	2.81E-01
EXSC	D1C	D1C-SC133-3-100	SCDC_03	506703.15	5043427.6	62.70	70.00	21.34	4.00	1.22	32,500.00	15.34	2,586.27	43.10	13.14	64.99	291.48	9.10E-01	3.32E+00	1.71E+00	6.23E+00	1.81E-01	6.67E-01	1.78E-01	6.54E-01	1.73E-01	6.32E-01	7.70E-02	2.81E-01
EXSC	D1C	D1C-SC133-4-100	SCDC_04	506708.15	5043427.6	62.70	70.00	21.34	4.00	1.22	32,500.00	15.34	2,586.27	43.10	13.14	64.99	291.48	9.10E-01	3.32E+00	1.71E+00	6.23E+00	1.81E-01	6.67E-01	1.78E-01	6.54E-01	1.73E-01	6.32E-01	7.70E-02	2.81E-01
EXSC	RB1	RB1-SC-133-1-100	SCRB1_01	506726.97	5043653.5	62.70	95.00	28.96	4.00	1.22	29,250.00	13.80	2,327.64	38.79	11.82	64.99	291.48	4.09E-01	1.49E+00	7.68E-01	2.80E+00	8.51E-02	3.16E-01	8.24E-02	3.04E-01	7.79E-02	2.84E-01	3.47E-02	1.27E-01
EXSC	RB1	RB1-SC-133-2-100	SCRB1_02	506730.03	5043654.8	62.70	95.00	28.96	2.67	0.81	29,250.00	13.80	5,237.19	87.29	26.60	64.99	291.48	4.09E-01	1.49E+00	7.68E-01	2.80E+00	8.51E-02	3.16E-01	8.24E-02	3.04E-01	7.79E-02	2.84E-01	3.47E-02	1.27E-01
EXSC	RB1	RB1-SC-133-8-100	SCRB1_03	506734.66	5043654.5	62.70	95.00	28.96	4.00	1.22	35,750.00	16.87	2,844.89	47.41	14.45	64.99	291.48	4.09E-01	1.49E+00	7.68E-01	2.80E+00	8.51E-02	3.16E-01	8.24E-02	3.04E-01	7.79E-02	2.84E-01	3.47E-02	1.27E-01
EXSC	RB1	RB1-SC-133-4-100	SCRB1_04	506634.89	5043630.8	62.70	95.00	28.96	4.00	1.22	29,250.00	13.80	2,327.64	38.79	11.82	64.99	291.48	4.09E-01	1.49E+00	7.68E-01	2.80E+00	8.51E-02	3.16E-01	8.24E-02	3.04E-01	7.79E-02	2.84E-01	3.47E-02	1.27E-01
EXSC	RB1	RB1-SC-133-6-100	SCRB1_06	506632.54	5043628.8	62.70	95.00	28.96	2.67	0.81	29,250.00	13.80	5,237.19	87.29	26.60	64.99	291.48	4.09E-01	1.49E+00	7.68E-01	2.80E+00	8.51E-02	3.16E-01	8.24E-02	3.04E-01	7.79E-02	2.84E-01	3.47E-02	1.27E-01
EXSC	RB1	RB1-SC-133-7-100	SCRB1_05	506635.12	5043628.9	62.70	95.00	28.96	2.67	0.81	29,250.00	13.80	5,237.19	87.29	26.60	64.99	291.48	4.09E-01	1.49E+00	7.68E-01	2.80E+00	8.51E-02	3.16E-01	8.24E-02	3.04E-01	7.79E-02	2.84E-01	3.47E-02	1.27E-01
EXSC	RA4	RA4-SC133-1	SWR4_01	506367.2	5043029.3	62.70	85.00	25.91	3.33	1.02	13,000.00	6.14	1,489.69	24.83	7.57	64.99	291.48	1.75E-01	6.40E-01	1.75E-02	6.40E-02	5.98E-03	2.62E-02	4.76E-03	5.32E-02	2.79E-03	4.45E-02	1.12E-01	4.08E-01
EXSC	RA4	RA4-SC133-2	SWR4_02	506369.56	5043022.8	62.70	85.00	25.91	3.33	1.02	13,000.00	6.14	1,489.69	24.83	7.57	64.99	291.48	1.75E-01	6.40E-01	1.75E-02	6.40E-02	5.98E-03	2.62E-02	4.76E-03	5.32E-02	2.79E-03	4.45E-02	1.12E-01	4.08E-01
EXSC	RP1	RP1-SC133-1-100	SCRP1_01	506748.15	5043358	62.70	85.00	25.91	4.63	1.41	26,000.00	12.27	1,547.60	25.79	7.86	64.99	291.48	1.23E-01	4.50E-01	2.32E-01	8.45E-01	2.99E-02	1.14E-01	2.74E-02	1.03E-01	2.35E-02	8.58E-02	1.05E-02	3.82E-02
EXSC	RP1	RP1-SC133-2-100	SCRP1_02	506747.35	5043347.1	62.70	85.00	25.91	4.63	1.41	26,000.00	12.27	1,547.60	25.79	7.86	64.99	291.48	1.23E-01	4.50E-01	2.32E-01	8.45E-01	2.99E-02	1.14E-01	2.74E-02	1.03E-01	2.35E-02	8.58E-02	1.05E-02	3.82E-02
EXSC	RP1	RP1-SC133-3-100	SCRP1_03	506748.96	5043347.4	62.70	85.00	25.91	4.63	1.41	27,300.00	12.88	1,624.98	27.08	8.25	64.99	291.48	1.23E-01	4.50E-01	2.32E-01	8.45E-01	3.15E-02	1.21E-01	2.84E-02	1.07E-01	2.35E-02	8.58E-02	1.05E-02	3.82E-02
EXSC	D1D	SC-133-1-100	SCDD_01	506493.82	5043419.7	62.70	89.00	27.13	3.33	1.02	32,500.00	15.34	3,724.23	62.07	18.92	64.99	291.48	9.10E-01	3.32E+00	1.71E+00	6.23E+00	1.81E-01	6.67E-01	1.78E-01	6.54E-01	1.73E-01	6.32E-01	7.70E-02	2.81E-01
EXSC	D1D	SC-133-2-100	SCDD_02	506494.8	5043423	62.70	89.00	27.13	3.33	1.02	32,500.00	15.34	3,724.23	62.07	18.92	64.99	291.48	9.10E-01	3.32E+00	1.71E+00	6.23E+00	1.81E-01	6.67E-01	1.78E-01	6.54E-01	1.73E-01	6.32E-01	7.70E-02	2.81E-01
EXSC	D1D	SC-133-3-100	SCDD_03	506498.02	5043421.2	62.70	89.00	27.13	3.33	1.02	32,500.00	15.34	3,724.23	62.07	18.92	64.99	291.48	9.10E-01	3.32E+00	1.71E+00	6.23E+00	1.81E-01	6.67E-01	1.78E-01	6.54E-01	1.73E-01	6.32E-01	7.70E-02	2.81E-01
EXSC	D1D	SC-133-4-100	SCDD_04	506499.41	5043424.2	62.70	89.00	27.13	3.33	1.02	32,500.00	15.34	3,724.23	62.07	18.92	64.99	291.48	9.10E-01	3.32E+00	1.71E+00	6.23E+00	1.81E-01	6.67E-01	1.78E-01	6.54E-01	1.73E-01	6.32E-01	7.70E-02	2.81E-01
EXSC	D1D	SC-133-5-100	SCDD_05	506503.96	5043424	62.70	89.00	27.13	3.33	1.02	32,500.00	15.34	3,724.23	62.07	18.92	64.99	291.48	9.10E-01	3.32E+00	1.71E+00	6.23E+00	1.81E-01	6.67E-01	1.78E-01	6.54E-01	1.73E-01	6.32E-01	7.70E-02	2.81E-01
EXSC	D1D	SC-133-6-100	SCDD_06	506508.76	5043426.4	62.70	89.00	27.13	3.33	1.02	32,500.00	15.34	3,724.23	62.07	18.92	64.99	291.48	9.10E-01	3.32E+00	1.71E+00	6.23E+00	1.81E-01	6.67E-01	1.78E-01	6.54E-01	1.73E-01	6.32E-01	7.70E-02	2.81E-01
EXSC	D1XM1	D1X-SC133-1-00	SWM1_01	506313.59	5043328	62.70	120.00	36.58	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	1.90E+00	7.26E+00	3.06E+00	1.14E+01	1.70E-01	6.35E-01	1.65E-01	6.09E-01	1.55E-01	5.69E-01	1.36E-01	3.30E-01
EXSC	D1XM1	D1X-SC133-2-00	SWM1_02	506307.36	5043325.1	62.70	120.00	36.58	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	1.90E+00	7.26E+00	3.06E+00	1.14E+01	1.70E-01	6.35E-01	1.65E-01	6.09E-01	1.55E-01	5.69E-01	1.36E-01	5.05E-01
EXSC	D1XM1	D1X-SC133-3-00	SCM1_01	506292.25	5043318.6	62.70	120.00	36.58	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	1.90E+00	7.26E+00	3.06E+00	1.14E+01	3.60E-01	1.82E+00	3.54E-01	1.79E+00	3.45E-01	1.75E+00	1.36E-01	5.05E-01
EXSC	D1XM1	D1X-SC133-4-00	SCM1_02	506280.58	5043313.5	62.70	120.00	36.58	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	1.90E+00	7.26E+00	3.06E+00	1.14E+01	3.60E-01	1.82E+00	3.54E-01	1.79E+00	3.45E-01	1.75E+00	1.36E-01	5.05E-01
EXSC	D1XM1	D1X-SC133-5-00	SWM1_03	506273.97	5043310.3	62.70	120.00	36.58	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	1.90E+00	7.26E+00	3.06E+00	1.14E+01	1.70E-01	6.35E-01	1.65E-01	6.09E-01	1.55E-01	5.69E-01	1.36E-01	5.05E-01
EXSC	D1XM2	D1XM2-SC133-2-00	SIM2_01	506153.88	5043255.6	62.70	120.00	36.58	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	3.17E+00	1.21E+01	5.10E+00	1.90E+01	2.74E-01	1.01E+00	2.68E-01	9.88E-01	2.59E-01	9.48E-01	2.27E-01	5.37E-01
EXSC	D1XM2	D1XM2-SC133-3-00	SIM2_02	506147.47	5043252.9	62.70	120.00	36.58	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	3.17E+00	1.21E+01	5.10E+00	1.90E+01	2.74E-01	1.01E+00	2.68E-01	9.88E-01	2.59E-01	9.48E-01	2.27E-01	8.41E-01
EXSC	D1XM2	D1XM2-SC133-4-00	SIM2_03	506133.96	5043247.2	62.70	120.00	36.58	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	3.17E+00	1.21E+01	5.10E+00	1.90E+01	2.74E-01	1.01E+00	2.68E-01	9.88E-01	2.59E-01	9.48E-01	2.27E-01	8.41E-01
EXSC	D1XM2	D1XM2-SC133-5-00	SIM2_04	506122.35	5043242.5	62.70	120.00	36.58	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	3.17E+00	1.21E+01	5.10E+00	1.90E+01	2.74E-01	1.01E+00	2.68E-01	9.88E-01	2.59E-01	9.48E-01	2.27E-01	8.41E-01
EXSC	D1XM3	D1XM3-SC133-1-00	SIM3_01	505998.62	5043191.6	62.70	120.00	36.58	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	2.54E+00	9.68E+00	4.08E+00	1.52E+01	2.22E-01	8.24E-01	2.16E-01	7.99E-01	2.07E-01	7.58E-01	1.81E-01	8.25E-01
EXSC	D1XM3	D1XM3-SC133-2-00	SIM3_02	505991.04	5043188.6	62.70	120.00	36.58	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	2.54E+00	9.68E+00	4.08E+00	1.52E+01	2.22E-01	8.24E-01	2.16E-01	7.99E-01	2.07E-01	7.58E-01	1.81E-01	6.73E-01
EXSC	D1XM3	D1XM3-SC133-3-00	SIM3_03	505984.47	5043185.6	62.70	120.00	36.58	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	2.54E+00	9.68E+00	4.08E+00	1.52E+01	2.22E-01	8.24E-01	2.16E-01	7.99E-01	2.07E-01	7.58E-01	1.81E-01	6.73E-01
EXSC	D1XM3	D1XM3-SC133-4-00	SIM3_04	505977.82	5043183	62.70	129.99	39.62	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	2.54E+00	9.68E+00	4.08E+00	1.52E+01	2.22E-01	8.24E-01	2.16E-01	7.99E-01	2.07E-01	7.58E-01	1.81E-01	6.73E-01
EXSC	D1XM3	D1XM3-SC133-5-00	SIM3_05	505971.18	5043180.4	62.70	129.99	39.62	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	2.54E+00	9.68E+00	4.08E+00	1.52E+01	2.22E-01	8.24E-01	2.16E-01	7.99E-01	2.07E-01	7.58E-01	1.81E-01	6.73E-01
EXSC	D1XM4	D1XM4-SC133-1-00	SCM4_01	506070.53	5042964.4	62.70	129.99	39.62	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	7.30E-01	2.66E+00	1.37E+00	5.00E+00	1.54E-01	5.74E-01	1.48E-01	5.48E-01	1.39E-01	5.07E-01	6.18E-02	2.26E-01
EXSC	D1XM4	D1XM4-SC133-2-00	SCM4_02	506072.43	5042960.1	62.70	129.99	39.62	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	7.30E-01	2.66E+00	1.37E+00	5.00E+00	1.54E-01	5.74E-01	1.48E-01	5.48E-01	1.39E-01	5.07E-01	6.18E-02	2.26E-01
EXSC	D1XM4	D1XM4-SC133-3-00	SCM4_03	506074.93	5042954.3	62.70	129.99	39.62	6.17	1.88	71,250.00	33.63	2,385.58	39.76	12.12	64.99	291.48	7.30E-01	2.66E+00	1.37E+00	5.00E+00	1.54E-01	5.74E-01	1.48E-01	5.48E-01	1.39E-01	5.07E-01	6.18E-02	2.26E-01
EXSC	MSB-1	MSB-SC133-1	SCMB1_01	506416.14	5043153.3	62.70	144.00	43.89	5.83	1.78	71,250.00	33.63	2,666.01	44.43	13.54	64.99	291.48	1.17E-01	4.27E-01	1.17E-02	4.27E-02	4.05E-02	1.59E-01	3.46E-02	1.33E-01	2.50E-02	9.15E-02	7.46E-02	2.72E-01
EXSC	MSB-1	MSB-SC133-2	SCMB1_02	506420.41	5043143	62.70	144.00	43.89	5.83	1.78	71,250.00	33.63	2,666.01	44.43	13.54	64.99	291.48	1.17E-01	4.27E-01	1.17E-02	4.27E-02	4.05E-02	1.59E-01	3.46E-02	1.33E-01	2.50E-02	9.15E-02	7.46E-02	2.72E-01

Version: 11/2/23 Update

Equipment Type	Building	Equipment ID	Stack ID	UTM Easting	UTM Northing	Elevation (m)	Stack Height (ft)	Stack Height (m)	Stack Diameter (ft)	Stack Diameter (m)	Adjusted Stack Flow Rate (ft^3/min)	Adjusted Stack Flow Rate (m^3/s)	Stack Velocity (ft/min)	Stack Velocity (ft/s)	Stack Velocity (m/s)	Stack Temperature (˚F)	Stack Temperature (K)	NOx (lb/hr)	NOx (tpy)	CO (lb/hr)	CO (tpy)	PM (lb/hr)	PM (tpy)	PM_{10} (lb/hr)	PM_{10} (tpy)	$PM_{2.5}$ (lb/hr)	$PM_{2.5}$ (tpy)	SO_2 (lb/hr)	SO_2 (tpy)
EXSC	MSB-1	MSB-SC133-3	SCMB1_03	506425.25	5043133.9	62.70	144.00	43.89	5.83	1.78	71,250.00	33.63	2,666.01	44.43	13.54	64.99	291.48	1.17E-01	4.27E-01	1.17E-02	4.27E-02	4.05E-02	1.59E-01	3.46E-02	1.33E-01	2.50E-02	9.15E-02	7.46E-02	2.72E-01
EXSC	F15	F15-SC7-1-1	SCF15_01	508970.09	5037706.6	69.40	73.00	22.25	5.00	1.52	39,000.00	18.41	1,986.25	33.10	10.09	64.99	291.48	7.46E-01	2.72E+00	7.46E-02	2.72E-01	1.69E-01	6.25E-01	1.66E-01	6.09E-01	1.60E-01	5.83E-01	4.76E-01	1.74E+00
EXSC	F15	F15-SC7-1-2	SCF15_02	508953.09	5037716.1	69.40	73.00	22.25	5.00	1.52	39,000.00	18.41	1,986.25	33.10	10.09	64.99	291.48	7.46E-01	2.72E+00	7.46E-02	2.72E-01	1.69E-01	6.25E-01	1.66E-01	6.09E-01	1.60E-01	5.83E-01	4.76E-01	1.74E+00
EXSC	F15	F15-SC7-1-3	SCF15_03	508941.71	5037722.6	69.40	73.00	22.25	5.00	1.52	55,250.00	26.08	2,813.86	46.90	14.29	64.99	291.48	7.46E-01	2.72E+00	7.46E-02	2.72E-01	1.73E-01	6.42E-01	1.68E-01	6.19E-01	1.60E-01	5.83E-01	4.76E-01	1.74E+00
EXSC	F15	F15-SC7-1-4	SCF15_04	508924.01	5037732.8	69.40	73.00	22.25	5.00	1.52	55,250.00	26.08	2,813.86	46.90	14.29	64.99	291.48	7.46E-01	2.72E+00	7.46E-02	2.72E-01	1.73E-01	6.42E-01	1.68E-01	6.19E-01	1.60E-01	5.83E-01	4.76E-01	1.74E+00
EXSC	F15	F15-SC7-1-5	SCF15_05	508911.28	5037740.1	69.40	73.00	22.25	5.00	1.52	39,000.00	18.41	1,986.25	33.10	10.09	64.99	291.48	7.46E-01	2.72E+00	7.46E-02	2.72E-01	1.69E-01	6.25E-01	1.66E-01	6.09E-01	1.60E-01	5.83E-01	4.76E-01	1.74E+00
EXSC	F15	F15-SC7-1-6	SCF15_06	508895.74	5037748.8	69.40	73.00	22.25	5.00	1.52	39,000.00	18.41	1,986.25	33.10	10.09	64.99	291.48	7.46E-01	2.72E+00	7.46E-02	2.72E-01	1.69E-01	6.25E-01	1.66E-01	6.09E-01	1.60E-01	5.83E-01	4.76E-01	1.74E+00
EXAM	D1C	D1C Combined Modeling Stack	AMDC_01	506695.47	5043411.2	62.70	65.00	19.81	2.17	0.66	11,700.00	5.52	3,173.30	52.89	16.12	64.99	291.48	1.44E-01	5.25E-01	2.70E-01	9.85E-01	3.76E-02	1.65E-01	2.81E-02	1.03E-01	2.74E-02	1.00E-01	2.57E-03	9.36E-03
EXAM	D1C	D1C Combined Modeling Stack	AMDC_02	506698.1	5043411.1	62.70	65.00	19.81	2.17	0.66	11,700.00	5.52	3,173.30	52.89	16.12	64.99	291.48	1.44E-01	5.25E-01	2.70E-01	9.85E-01	3.76E-02	1.65E-01	2.81E-02	1.03E-01	2.74E-02	1.00E-01	2.57E-03	9.36E-03
EXAM	D1C	D1C Combined Modeling Stack	AMDC_03	506701.33	5043411.4	62.70	65.00	19.81	2.17	0.66	11,700.00	5.52	3,173.30	52.89	16.12	64.99	291.48	1.44E-01	5.25E-01	2.70E-01	9.85E-01	3.76E-02	1.65E-01	2.81E-02	1.03E-01	2.74E-02	1.00E-01	2.57E-03	9.36E-03
EXAM	D1C	D1C Combined Modeling Stack	AMDC_04	506703.89	5043411.1	62.70	65.00	19.81	2.17	0.66	11,700.00	5.52	3,173.30	52.89	16.12	64.99	291.48	1.44E-01	5.25E-01	2.70E-01	9.85E-01	3.76E-02	1.65E-01	2.81E-02	1.03E-01	2.74E-02	1.00E-01	2.57E-03	9.36E-03
EXAM	D1C	D1C Combined Modeling Stack	AMDC_05	506707.26	5043411.2	62.70	65.00	19.81	2.17	0.66	11,700.00	5.52	3,173.30	52.89	16.12	64.99	291.48	1.44E-01	5.25E-01	2.70E-01	9.85E-01	3.76E-02	1.65E-01	2.81E-02	1.03E-01	2.74E-02	1.00E-01	2.57E-03	9.36E-03
EXAM	RB1	D1C Combined Modeling Stack	AMRB1_AM	506629.85	5043628.4	62.70	95.00	28.96	3.00	0.91	40,950.00	19.33	5,793.24	96.55	29.43	64.99	291.48	8.63E-01	3.15E+00	1.62E+00	5.91E+00	2.20E-01	9.63E-01	1.69E-01	6.18E-01	1.64E-01	6.00E-01	1.54E-02	5.62E-02
EXAM	RP1	RP1-SC142-1-100	AMRP1_01	506690.2	5043352.6	62.70	85.01	25.91	4.63	1.41	7,200.00	3.40	428.39	7.14	2.18	64.99	291.48	9.26E-02	3.38E-01	1.74E-01	6.34E-01	2.31E-02	1.01E-01	1.81E-02	6.62E-02	1.76E-02	6.43E-02	1.65E-03	6.02E-03
EXAM	D1D	D1D 1 Combined Modeling Stack	AMDD_01	506485.47	5043408.8	62.70	103.00	31.39	2.98	0.91	8,666.66	4.09	1,243.29	20.72	6.32	64.99	291.48	4.08E-01	1.49E+00	7.65E-01	2.79E+00	8.44E-02	3.70E-01	7.86E-02	2.88E-01	7.76E-02	2.83E-01	7.27E-03	2.65E-02
EXAM	D1D	D1D 1 Combined Modeling Stack	AMDD_02	506481.52	5043406.8	62.70	103.00	31.39	2.98	0.91	8,666.66	4.09	1,243.29	20.72	6.32	64.99	291.48	1.36E-01	4.96E-01	2.55E-01	9.30E-01	2.81E-02	1.23E-01	2.62E-02	9.59E-02	2.59E-02	9.44E-02	2.42E-03	8.84E-03
EXAM	D1D	D1D 1 Combined Modeling Stack	AMDD_03	506477.28	5043404.9	62.70	103.00	31.39	2.98	0.91	8,666.66	4.09	1,243.29	20.72	6.32	64.99	291.48	1.36E-01	4.96E-01	2.55E-01	9.30E-01	2.81E-02	1.23E-01	2.62E-02	9.59E-02	2.59E-02	9.44E-02	2.42E-03	8.84E-03
EXAM	D1D	D1D 2 Combined Modeling Stack	AMDD_04	506601.3	5043283.4	62.70	103.00	31.39	2.98	0.91	21,125.00	9.97	3,030.52	50.51	15.40	64.99	291.48	1.70E-01	6.20E-01	3.19E-01	1.16E+00	7.34E-02	3.21E-01	3.47E-02	1.28E-01	3.24E-02	1.18E-01	3.03E-03	1.11E-02
EXAM	D1D	D1D 2 Combined Modeling Stack	AMDD_05	506602.26	5043281.5	62.70	103.00	31.39	2.98	0.91	21,125.00	9.97	3,030.52	50.51	15.40	64.99	291.48	1.70E-01	6.20E-01	3.19E-01	1.16E+00	7.34E-02	3.21E-01	3.47E-02	1.28E-01	3.24E-02	1.18E-01	3.03E-03	1.11E-02
EXAM	D1D	D1D 2 Combined Modeling Stack	AMDD_06	506603.37	5043279.8	62.70	103.00	31.39	2.98	0.91	21,125.00	9.97	3,030.52	50.51	15.40	64.99	291.48	1.70E-01	6.20E-01	3.19E-01	1.16E+00	7.34E-02	3.21E-01	3.47E-02	1.28E-01	3.24E-02	1.18E-01	3.03E-03	1.11E-02
EXAM	D1D	D1D 2 Combined Modeling Stack	AMDD_07	506604.53	5043277.9	62.70	103.00	31.39	2.98	0.91	21,125.00	9.97	3,030.52	50.51	15.40	64.99	291.48	1.70E-01	6.20E-01	3.19E-01	1.16E+00	7.34E-02	3.21E-01	3.47E-02	1.28E-01	3.24E-02	1.18E-01	3.03E-03	1.11E-02
EXAM	D1XM1	D1X-SC142-1-11	AMM1_01	506346.36	5043324.1	62.70	120.00	36.58	4.50	1.37	30,000.00	14.16	1,886.28	31.44	9.58	64.99	291.48	5.41E-01	1.97E+00	1.01E+00	3.70E+00	1.19E-01	5.19E-01	1.05E-01	3.83E-01	1.03E-01	3.76E-01	9.64E-03	3.52E-02
EXAM	D1XM1	D1X-SC142-2-11	AMM1_02	506344.9	5043327.6	62.70	120.00	36.58	4.50	1.37	30,000.00	14.16	1,886.28	31.44	9.58	64.99	291.48	5.41E-01	1.97E+00	1.01E+00	3.70E+00	1.19E-01	5.19E-01	1.05E-01	3.83E-01	1.03E-01	3.76E-01	9.64E-03	3.52E-02
EXAM	D1XM1	D1X-SC142-3-11	AMM1_03	506343.08	5043332.1	62.70	120.00	36.58	4.50	1.37	30,000.00	14.16	1,886.28	31.44	9.58	64.99	291.48	5.41E-01	1.97E+00	1.01E+00	3.70E+00	1.19E-01	5.19E-01	1.05E-01	3.83E-01	1.03E-01	3.76E-01	9.64E-03	3.52E-02
EXAM	D1XM1	D1X-SC142-4-11	AMM1_04	506360.5	5043330.8	62.70	120.00	36.58	4.50	1.37	30,000.00	14.16	1,886.28	31.44	9.58	64.99	291.48	5.41E-01	1.97E+00	1.01E+00	3.70E+00	1.19E-01	5.19E-01	1.05E-01	3.83E-01	1.03E-01	3.76E-01	9.64E-03	3.52E-02
EXAM	D1XM1	D1X-SC142-5-00	AMM1_05	506355.3	5043335.7	62.70	120.00	36.58	4.50	1.37	71,250.00	33.63	4,479.92	74.67	22.76	64.99	291.48	5.41E-01	1.97E+00	1.01E+00	3.70E+00	1.66E-01	7.25E-01	1.07E-01	3.93E-01	1.03E-01	3.76E-01	9.64E-03	3.52E-02
EXAM	D1XM2	D1XM2-SC142-1-00	AMM2_01	506187.92	5043246.9	62.70	120.00	36.58	4.50	1.37	30,000.00	14.16	1,886.28	31.44	9.58	64.99	291.48	4.11E-01	1.50E+00	7.71E-01	2.81E+00	9.80E-02	4.29E-01	7.99E-02	2.93E-01	7.82E-02	2.86E-01	7.32E-03	2.67E-02
EXAM	D1XM2	D1XM2-SC142-2-00	AMM2_02	506186.56	5043250.5	62.70	120.00	36.58	4.50	1.37	30,000.00	14.16	1,886.28	31.44	9.58	64.99	291.48	4.11E-01	1.50E+00	7.71E-01	2.81E+00	9.80E-02	4.29E-01	7.99E-02	2.93E-01	7.82E-02	2.86E-01	7.32E-03	2.67E-02
EXAM	D1XM2	D1XM2-SC142-3-00	AMM2_03	506185.06	5043254.2	62.70	120.00	36.58	4.50	1.37	30,000.00	14.16	1,886.28	31.44	9.58	64.99	291.48	4.11E-01	1.50E+00	7.71E-01	2.81E+00	9.80E-02	4.29E-01	7.99E-02	2.93E-01	7.82E-02	2.86E-01	7.32E-03	2.67E-02
EXAM	D1XM2	D1XM2-SC142-4-00	AMM2_04	506182.82	5043258	62.70	120.00	36.58	4.50	1.37	71,250.00	33.63	4,479.92	74.67	22.76	64.99	291.48	4.11E-01	1.50E+00	7.71E-01	2.81E+00	9.80E-02	4.29E-01	7.99E-02	2.93E-01	7.82E-02	2.86E-01	7.32E-03	2.67E-02
EXAM	D1XM3	D1XM3-SC142-1-00	AMM3_01	505959.16	5043172	62.70	120.00	36.58	6.54	1.99	71,250.00	33.63	2,119.96	35.33	10.77	64.99	291.48	1.01E+00	3.68E+00	1.89E+00	6.90E+00	2.40E-01	1.05E+00	1.96E-01	7.17E-01	1.92E-01	7.00E-01	1.80E-02	6.55E-02
EXAM	D1XM3	D1XM3-SC142-2-00	AMM3_02	505952.13	5043169.5	62.70	120.00	36.58	6.54	1.99	71,250.00	33.63	2,119.96	35.33	10.77	64.99	291.48	1.01E+00	3.68E+00	1.89E+00	6.90E+00	2.40E-01	1.05E+00	1.96E-01	7.17E-01	1.92E-01	7.00E-01	1.80E-02	6.55E-02
EXAM	D1XM3	D1XM3-SC142-3-00	AMM3_03	505945.16	5043167	62.70	129.99	39.62	6.54	1.99	71,250.00	33.63	2,119.96	35.33	10.77	64.99	291.48	1.01E+00	3.68E+00	1.89E+00	6.90E+00	2.40E-01	1.05E+00	1.96E-01	7.17E-01	1.92E-01	7.00E-01	1.80E-02	6.55E-02
EXAM	D1XM3	D1XM3-SC142-4-00	AMM3_04	505938.19	5043164.5	62.70	129.99	39.62	6.54	1.99	71,250.00	33.63	2,119.96	35.33	10.77	64.99	291.48	1.01E+00	3.68E+00	1.89E+00	6.90E+00	2.40E-01	1.05E+00	1.96E-01	7.17E-01	1.92E-01	7.00E-01	1.80E-02	6.55E-02
EXAM	D1XM4	D1XM4 Combined Modeling Stack	AMM4_01	506076.82	5042949.9	62.70	129.99	39.62	6.17	1.88	28,500.00	13.45	954.23	15.90	4.85	64.99	291.48	1.65E-01	6.03E-01	3.10E-01	1.13E+00	7.94E-02	3.48E-01	3.41E-02	1.27E-01	3.15E-02	1.15E-01	2.94E-03	1.07E-02
EXAM	D1XM4	D1XM4 Combined Modeling Stack	AMM4_02	506078.71	5042945.5	62.70	129.99	39.62	6.17	1.88	28,500.00	13.45	954.23	15.90	4.85	64.99	291.48	1.65E-01	6.03E-01	3.10E-01	1.13E+00	7.94E-02	3.48E-01	3.41E-02	1.27E-01	3.15E-02	1.15E-01	2.94E-03	1.07E-02
EXAM	D1XM4	D1XM4 Combined Modeling Stack	AMM4_03	506080.6	5042941.1	62.70	129.99	39.62	6.17	1.88	28,500.00	13.45	954.23	15.90	4.85	64.99	291.48	1.65E-01	6.03E-01	3.10E-01	1.13E+00	7.94E-02	3.48E-01	3.41E-02	1.27E-01	3.15E-02	1.15E-01	2.94E-03	1.07E-02
HEATER	RA3	RA3 Combined Modeling Stack	HER3_M	506679.8	5043176.5	62.70	82.00	24.99	0.50	0.15	193.25	0.09	984.23	16.40	5.00	300.00	422.04	1.56E+00	3.42E+00	1.31E+00	5.38E+00	3.90E-02	8.55E-02	3.90E-02	8.55E-02	3.90E-02	8.55E-02	4.06E-02	8.89E-02
HEATER	RS4	RS4 Combined Modeling Stack	HERS4_M	505951	5043852.3	62.70	60.00	18.29	0.50	0.15	193.25	0.09	984.23	16.40	5.00	300.00	422.04	4.03E-01	8.82E-01	3.38E-01	1.48E+00	1.01E-02	2.21E-02	1.01E-02	2.21E-02	1.01E-02	2.21E-02	1.05E-02	2.29E-02
HEATER	RS5	RS5 Combined Modeling Stack	HERS5_M	505915.2	5043725.7	62.70	60.00	18.29	0.50	0.15	193.25	0.09	984.23	16.40	5.00	300.00	422.04	7.25E-01	1.59E+00	6.09E-01	2.67E+00	1.81E-02	3.97E-02	1.81E-02	3.97E-02	1.81E-02	3.97E-02	1.89E-02	4.13E-02
HEATER	RS6	RS6 Combined Modeling Stack	HERS6_M	505939.9	5043588.1	62.70	60.00	18.29	0.50	0.15	193.25	0.09	984.23	16.40	5.00	300.00	422.04	3.09E-01	6.76E-01	2.59E-01	1.14E+00	7.72E-03	1.69E-02	7.72E-03	1.69E-02	7.72E-03	1.69E-02	8.03E-03	1.76E-02
HEATER	LT4	Lunch Tent Combined Modeling Stack	HELT4_M	506443.2	5043804.3	62.70	41.00	12.50	0.50	0.15	193.25	0.09	984.23	16.40	5.00	300.00	422.04	2.81E-01	6.15E-01	2.36E-01	1.03E+00	7.02E-03	1.54E-02	7.02E-03	1.54E-02	7.02E-03	1.54E-02	7.30E-03	1.60E-02
HEATER	Aloha	Aloha Combined Modeling Stack	HEAL_M	509091.1	5037889	69.40	46.00	14.02	0.50	0.15	193.25	0.09	984.23	16.40	5.00	300.00	422.04	2.88E-01	6.31E-01	2.42E-01	1.06E+00	7.21E-03	1.58E-02	7.21E-03	1.58E-02	7.21E-03	1.58E-02	7.50E-03	1.64E-02
HEATER	RS2	RS2 Combined Modeling Stack	HERS2_M	506491.4	5043738.9	62.70	43.00	13.11	0.50	0.15	193.25	0.09	984.23	16.40	5.00	300.00	422.04	3.14E-01	6.87E-01	2.64E-01	1.15E+00	7.84E-03	1.72E-02	7.84E-03	1.72E-02	7.84E-03	1.72E-02	8.16E-03	1.79E-02
HEATER	RA1	RA1 Combined Modeling Stack	HERA1_M	506835.9	5043715.5	62.70	54.00	16.46	0.50	0.15	193.25	0.09	984.23	16.40	5.00	300.00	422.04	1.47E-02	3.22E-02	1.24E-02	5.41E-02	3.68E-04	8.05E-04	3.68E-04	8.05E-04	3.68E-04	8.05E-04	3.82E-04	8.37E-04
HEATER	CUB4	CUB 4 Heater	HEC4_M	506404.21	5043465.8	62.70	79.00	24.08	0.50	0.15	193.25	0.09	984.23	16.40	5.00	300.00	422.04	2.94E-02	6.44E-02	2.47E-02	1.08E-01	7.35E-04	1.61E-03	7.35E-04	1.61E-03	7.35E-04	1.61E-03	7.65E-04	1.67E-03
HEATER	PUB1	PUB1 Heater	HEPB1_M	506212.9	5043427.9	62.70	104.00	31.70	0.50	0.15	193.25	0.09	984.23	16.40	5.00	300.00	422.04	1.47E-01	3.22E-01	1.24E-01	5.41E-01	3.68E-03	8.05E-03	3.68E-03	8.05E-03	3.68E-03	8.05E-03	3.82E-03	8.37E-03
HEATER	CUB5	CUB 5 Heater	HEC5_M	505862	5043464.8	62.70	73.50	22.40	0.50	0.15	193.25	0.09	984.23	16.40	5.00	300.00	422.04	1.47E-01	3.22E-01	1.24E-01	5.41E-01	3.68E-03	8.05E-03	3.68E-03	8.05E-03	3.68E-03	8.05E-03	3.82E-03	8.37E-03
TMXW	CUB3	CUB3 - OX293-0-70	TMXW_01	506292.12	5043551.6	62.70	28.00	8.53	1.25	0.38	4,094.17	1.93	3,336.23	55.60	16.95	250.00	394.26	3.40E-01	1.49E+00	3.15E-02	1.38E-01	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02
TMXW	PUB1	PUB1A-OX293-0-70	TMXW_02	506166.41	5043393	62.70	28.00	8.53	1.25	0.38	4,094.17	1.93	3,336.23	55.60	16.95	250.00	394.26	3.40E-01	1.49E+00	3.15E-02	1.38E-01	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02
TMXW	PUB1	PUB1B-OX293-0-70	TMXW_03	506100.6	5043326.9	62.70	28.00	8.53	1.25	0.38	4,094.17	1.93	3,336.23	55.60	16.95	250.00	394.26	3.40E-01	1.49E+00	3.15E-02	1.38E-01	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02
TMXW	PUB1	PUB1C-OX293-0-70	TMXW_04	506116.6	5043305.7	62.70	28.00	8.53	1.25	0.38	4,094.17	1.93	3,336.23	55.60	16.95	250.00	394.26	3.40E-01	1.49E+00	3.15E-02	1.38E-01	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02
TMXW	PUB1	PUB1D-OX293-0-70	TMXW_05	506025.2	5043301.6	62.70	28.00	8.53	1.25	0.38	4,094.17	1.93	3,336.23	55.60	16.95	250.00	394.26	3.40E-01	1.49E+00	3.15E-02	1.38E-01	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02
TMXW	PUB1	PUB1E-OX293-0-70	TMXW_06	506035.3	5043283.6	62.70	28.00	8.53	1.25	0.38	4,094.17	1.93	3,336.23	55.60	16.95	250.00	394.26	3.40E-01	1.49E+00	3.15E-02	1.38E-01	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02
TMXW	PUB1	PUB1F-OX293-0-70	TMXW_07	505992.2	5043284.9	62.70	28.00	8.53	1.25	0.38	4,094.17	1.93	3,336.23	55.60	16.95	250.00	394.26	3.40E-01	1.49E+00	3.15E-02	1.38E-01	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02
TMXW	CUB2	CUB2-OX293-0-70	TMXW_08	506533.24	5043483.2	62.70	38.29	11.67	1.25	0.38	4,094.17	1.93	3,336.23	55.60	16.95	250.00	394.26	3.40E-01	1.49E+00	3.15E-02	1.38E-01	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02	2.57E-03	1.13E-02
TMXW	CUB3	CUB3 - OX293B-0-70	TMC3_02	506300.9	5043548.9	62.70	28.00	8.53	1.25	0.38	4,094.17	1.93	3,336.23	55.60	16.95	250.00	394.26	7.20E-02	3.15E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-1	CTC4_01	506401.76	5043561.2	62.70	51.00	15.54	28.00	8.53	588,154.79	277.58	955.18	15.92	4.85	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-2	CTC4_02	506401.71	5043576.1	62.70	51.00	15.54	28.00	8.53	588,154.79	277.58	955.18	15.92	4.85	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-3	CTC4_03	506414.44	5043561.5	62.70	51.00	15.54	28.00	8.53	588,154.79	277.58	955.18	15.92	4.85	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-4	CTC4_04	506414.44	5043576.3	62.70	51.00	15.54	28.00	8.53	588,154.79	277.58	955.18	15.92	4.85	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-5	CTC4_05	506427.26	5043561.4	62.70	51.00	15.54	28.00	8.53	588,154.79	277.58	955.18	15.92	4.85	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-6	CTC4_06	506427.31	5043576.2	62.70	51.00	15.54	28.00	8.53	588,154.79	277.58	955.18	15.92	4.85	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-7	CTC4_07	506440.14	5043561.6	62.70	51.00	15.54	28.00	8.53	588,154.79	277.58	955.18	15.92	4.85	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-8	CTC4_08	506439.99	5043576.2	62.70	51.00	15.54	28.00	8.53	588,154.79	277.58	955.18	15.92	4.85	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-9	CTC4_09	506452.81	5043561.7	62.70	51.00	15.54	28.00	8.53	588,154.79	277.58	955.18	15.92	4.85	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-10	CTC4_10	506452.76	5043576.5	62.70	51.00	15.54	28.00	8.53	588,154.79	277.58	955.18	15.92	4.85	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-11	CTC4_11	506465.78	5043561.8	62.70	51.00	15.54	28.00	8.53	588,154.79	277.58	955.18	15.92	4.85	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-12	CTC4_12	506465.78	5043576.5	62.70	51.00	15.54	28.00	8.53	588,154.79	277.58	955.18	15.92	4.85	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-13	CTC4_13	506396.77	5043625.1	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-14	CTC4_14	506396.92	5043610.5	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-15	CTC4_15	506409.43	5043625.2	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4	RAC4-CT114-16	CTC4_16	506409.78	5043610.5	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4X	RAC4-CT114-17	CTC4_17	506422.09	5043625.2	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4X	RAC4-CT114-18	CTC4_18	506422.44	5043610.5	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4X	RAC4-CT114-19	CTC4_19	506434.65	5043625.2	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB4X	RAC4-CT114-20	CTC4_20	506435	5043610.5	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-1	CTC5_01	505911.75	5043470.7	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-2	CTC5_02	505911.42	5043486	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-3	CTC5_03	505924.57	5043470.7	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-4	CTC5_04	505924.24	5043486	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-5	CTC5_05	505937.39	5043470.7	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-6	CTC5_06	505937.06	5043486	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-7	CTC5_07	505950.21	5043470.7	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-8	CTC5_08	505949.88	5043486	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-9	CTC5_09	505963.03	5043470.7	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-10	CTC5_10	505962.7	5043486	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-11	CTC5_11	505975.85	5043470.7	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-12	CTC5_12	505975.52	5043486	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-13	CTC5_13	505988.67	5043470.7	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-14	CTC5_14	505988.34	5043486	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-15	CTC5_15	506001.49	5043470.7	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-16	CTC5_16	506001.16	5043486	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB5	RAC5-CT115-17	CTC5_17	506014.31	5043470.7	62.70	51.00	15.54	28.00	8.53	1,059,622.00	500.09	1,720.86	28.68	8.74	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.30E-02	5.07E-02	1.53E-04	2.24E-04	0.00E+00	0.00E+00
COOLTOW	CUB3	CT-114-1-210	CTC3_01	506294.64	5043534.7	62.70	17.00	5.18	11.67	3.56	362,108.87	170.90	3,387.32	56.46	17.21	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.17E-02	7.28E-02	2.19E-04	3.21E-04	0.00E+00	0.00E+00
COOLTOW	CUB3	CT-114-2-210	CTC3_02	506306.48	5043534.7	62.70	17.00	5.18	11.67	3.56	362,108.87	170.90	3,387.32	56.46	17.21	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.17E-02	7.28E-02	2.19E-04	3.21E-04	0.00E+00	0.00E+00
COOLTOW	CUB3	CT-114-3-210	CTC3_03	506318.32	5043534.8	62.70	17.00	5.18	11.67	3.56	362,108.87	170.90	3,387.32	56.46	17.21	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.17E-02	7.28E-02	2.19E-04	3.21E-04	0.00E+00	0.00E+00
COOLTOW	CUB3	CT-114-4-210	CTC3_04	506330.31	5043535	62.70	17.00	5.18	11.67	3.56	362,108.87	170.90	3,387.32	56.46	17.21	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.17E-02	7.28E-02	2.19E-04	3.21E-04	0.00E+00	0.00E+00
COOLTOW	CUB3	CT-114-5-210	CTC3_05	506342.15	5043535.2	62.70	17.00	5.18	11.67	3.56	362,108.87	170.90	3,387.32	56.46	17.21	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.17E-02	7.28E-02	2.19E-04	3.21E-04	0.00E+00	0.00E+00
COOLTOW	CUB3X	CUB3-CT114-21-10	CTC3_06	506305.08	5043550.7	62.70	17.00	5.18	11.67	3.56	362,108.87	170.90	3,387.32	56.46	17.21	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.17E-02	7.28E-02	2.19E-04	3.21E-04	0.00E+00	0.00E+00
COOLTOW	CUB3X	CUB3-CT114-22-10	CTC3_07	506316.29	5043550.5	62.70	17.00	5.18	11.67	3.56	362,108.87	170.90	3,387.32	56.46	17.21	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.17E-02	7.28E-02	2.19E-04	3.21E-04	0.00E+00	0.00E+00
COOLTOW	CUB3X	CUB3-CT114-23-10	CTC3_08	506316.29	5043550.5	62.70	17.00	5.18	11.67	3.56	362,108.87	170.90	3,387.32	56.46	17.21	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.17E-02	7.28E-02	2.19E-04	3.21E-04	0.00E+00	0.00E+00
COOLTOW	CUB3X	CUB3-CT114-24-10	CTC3_09	506316.29	5043550.5	62.70	17.00	5.18	11.67	3.56	362,108.87	170.90	3,387.32	56.46	17.21	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.17E-02	7.28E-02	2.19E-04	3.21E-04	0.00E+00	0.00E+00
COOLTOW	CUB3X	CUB3-CT114-25-10	CTC3_10	506327.66	5043550.5	62.70	17.00	5.18	11.67	3.56	362,108.87	170.90	3,387.32	56.46	17.21	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.17E-02	7.28E-02	2.19E-04	3.21E-04	0.00E+00	0.00E+00
COOLTOW	CUB3X	CUB3-CT114-26-10	CTC3_11	506327.66	5043550.5	62.70	17.00	5.18	11.67	3.56	362,108.87	170.90	3,387.32	56.46	17.21	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.17E-02	7.28E-02	2.19E-04	3.21E-04	0.00E+00	0.00E+00
COOLTOW	RP1	RP1-CT114-1-200	CTRP1_01	506658.54	5043337.5	62.70	45.00	13.72	10.00	3.05	187,464.51	88.47	2,386.87	39.78	12.13	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	3.08E-02	3.63E-02	1.10E-04	1.60E-04	0.00E+00	0.00E+00
COOLTOW	RP1	RP1-CT114-2-200	CTRP1_02	506658.26	5043328.7	62.70	45.00	13.72	10.00	3.05	187,464.51	88.47	2,386.87	39.78	12.13	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	3.08E-02	3.63E-02	1.10E-04	1.60E-04	0.00E+00	0.00E+00
COOLTOW	RP1	RP1-CT114-3-00	CTRP1_03	506658.26	5043319.9	62.70	45.00	13.72	10.00	3.05	187,464.51	88.47	2,386.87	39.78	12.13	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	3.08E-02	3.63E-02	1.10E-04	1.60E-04	0.00E+00	0.00E+00
COOLTOW	RA4	RA4-CT113-1-10	CTR4_01	506357.82	5043059.1	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.49E-02	5.29E-02	1.60E-04	2.34E-04	0.00E+00	0.00E+00
COOLTOW	RA4	RA4-CT113-2-10	CTR4_02	506359.29	5043055.7	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.49E-02	5.29E-02	1.60E-04	2.34E-04	0.00E+00	0.00E+00
COOLTOW	RA4	RA4-CT113-3-10	CTR4_03	506363.54	5043061.7	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.49E-02	5.29E-02	1.60E-04	2.34E-04	0.00E+00	0.00E+00
COOLTOW	RA4	RA4-CT113-4-10	CTR4_04	506364.93	5043058.1	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.49E-02	5.29E-02	1.60E-04	2.34E-04	0.00E+00	0.00E+00
COOLTOW	RA4	RA4-CT113-5-10	CTR4_05	506370.63	5043063	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.49E-02	5.29E-02	1.60E-04	2.34E-04	0.00E+00	0.00E+00
COOLTOW	RA4	RA4-CT113-6-10	CTR4_06	506375.5	5043065	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.49E-02	5.29E-02	1.60E-04	2.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB2	CUB2-CT114-1-210	CTC2_01	506518.07	5043561.1	62.70	29.00	8.84	11.00	3.35	141,807.83	66.93	1,492.19	24.87	7.58	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB2	CUB2-CT114-2-210	CTC2_02	506518.39	5043575.8	62.70	29.00	8.84	11.00	3.35	141,807.83	66.93	1,492.19	24.87	7.58	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB2	CUB2-CT114-3-210	CTC2_03	506514.79	5043561.1	62.70	29.00	8.84	11.00	3.35	141,807.83	66.93	1,492.19	24.87	7.58	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB2	CUB2-CT114-4-210	CTC2_04	506514.89	5043575.7	62.70	29.00	8.84	11.00	3.35	141,807.83	66.93	1,492.19	24.87	7.58	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB2	CUB2-CT114-5-210	CTC2_05	506506.05	5043561.1	62.70	29.00	8.84	11.00	3.35	141,807.83	66.93	1,492.19	24.87	7.58	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB2	CUB2-CT114-6-210	CTC2_06	506506.26	5043575.6	62.70	29.00	8.84	11.00	3.35	141,807.83	66.93	1,492.19	24.87	7.58	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB2	CUB2-CT114-7-210	CTC2_07	506502.65	5043561	62.70	29.00	8.84	11.00	3.35	141,807.83	66.93	1,492.19	24.87	7.58	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB2	CUB2-CT114-8-210	CTC2_08	506502.87	5043575.6	62.70	29.00	8.84	11.00	3.35	141,807.83	66.93	1,492.19	24.87	7.58	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB2	CUB2-CT114-9-210	CTC2_09	506494.34	5043560.9	62.70	29.00	8.84	11.00	3.35	141,807.83	66.93	1,492.19	24.87	7.58	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB2	CUB2-CT114-10-210	CTC2_10	506494.34	5043575.6	62.70	31.00	9.45	11.00	3.35	191,818.53	90.53	2,018.44	33.64	10.25	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB2X	CUB2-CT114-11-10	CTC2_11	506518.1	5043590.2	62.70	31.00	9.45	11.00	3.35	383,697.53	181.08	4,037.51	67.29	20.51	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.04E-01	7.56E-02	3.70E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB2X	CUB2-CT114-12-10	CTC2_12	506514.87	5043590.1	62.70	31.00	9.45	11.00	3.35	191,697.58	90.47	2,017.16	33.62	10.25	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.04E-01	7.56E-02	3.70E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB2X	CUB2-CT114-13-10	CTC2_13	506505.8	5043590	62.70	31.00	9.45	11.00	3.35	191,818.53	90.53	2,018.44	33.64	10.25	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.04E-01	7.56E-02	3.70E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB2X	CUB2-CT114-14-10	CTC2_14	506494.34	5043590.4	62.70	31.00	9.45	11.00	3.35	191,818.53	90.53	2,018.44	33.64	10.25	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.04E-01	7.56E-02	3.70E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB1	F20-CT114-1-210	CTC1_01	506674.28	5043903	62.70	29.00	8.84	11.00	3.35	191,848.76	90.54	2,018.76	33.65	10.26	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB1	F20-CT114-2-210	CTC1_02	506681.59	5043904	62.70	29.00	8.84	11.00	3.35	191,848.76	90.54	2,018.76	33.65	10.26	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB1	F20-CT114-3-210	CTC1_03	506685.56	5043904	62.70	29.00	8.84	11.00	3.35	191,848.76	90.54	2,018.76	33.65	10.26	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB1	F20-CT114-4-210	CTC1_04	506692.61	5043904	62.70	29.00	8.84	11.00	3.35	191,848.76	90.54	2,018.76	33.65	10.26	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB1	F20-CT114-5-210	CTC1_05	506696.57	5043904	62.70	29.00	8.84	11.00	3.35	191,848.76	90.54	2,018.76	33.65	10.26	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB1	F20-CT114-6-210	CTC1_06	506703.62	5043904	62.70	29.00	8.84	11.00	3.35	191,848.76	90.54	2,018.76	33.65	10.26	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB1	F20-CT114-7-210	CTC1_07	506707.59	5043904	62.70	29.00	8.84	11.00	3.35	191,848.76	90.54	2,018.76	33.65	10.26	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB1	F20-CT114-8-210	CTC1_08	506714.32	5043904	62.70	29.00	8.84	11.00	3.35	191,848.76	90.54	2,018.76	33.65	10.26	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB1	F20-CT114-9-210	CTC1_09	506718.29	5043904	62.70	29.00	8.84	11.00	3.35	191,848.76	90.54	2,018.76	33.65	10.26	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	CUB1	F20-CT114-10-210	CTC1_10	506724.66	5043904	62.70	29.00	8.84	11.00	3.35	191,848.76	90.54	2,018.76	33.65	10.26	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00

Version: 11/2/23 Update

Equipment Type	Building	Equipment ID	Stack ID	UTM Easting	UTM Northing	Elevation (m)	Stack Height (ft)	Stack Height (m)	Stack Diameter (ft)	Stack Diameter (m)	Adjusted Stack Flow Rate (ft^3/min)	Adjusted Stack Flow Rate (m^3/s)	Stack Velocity (ft/min)	Stack Velocity (ft/s)	Stack Velocity (m/s)	Stack Temperature (°F)	Stack Temperature (K)	NOx (lb/hr)	NOx (tpy)	CO (lb/hr)	CO (tpy)	PM (lb/hr)	PM (tpy)	PM_{10} (lb/hr)	PM_{10} (tpy)	$PM_{2.5}$ (lb/hr)	$PM_{2.5}$ (tpy)	SO_2 (lb/hr)	SO_2 (tpy)
COOLTOW	CUB1	F20-CT114-11-210	CTC1_11	506728.63	5043904	62.70	29.00	8.84	11.00	3.35	191,848.76	90.54	2,018.76	33.65	10.26	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	1.01E-01	7.56E-02	3.59E-04	3.34E-04	0.00E+00	0.00E+00
COOLTOW	N2 Plant	N2-CT114-1	CTN2_01	506333.46	5043970.9	62.70	17.00	5.18	11.67	3.56	135,155.87	63.79	1,264.30	21.07	6.42	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.59E-02	1.01E-01	3.06E-04	4.47E-04	0.00E+00	0.00E+00
COOLTOW	N2 Plant	N2-CT114-2	CTN2_02	506210.58	5043933.9	62.70	17.00	5.18	11.67	3.56	135,155.87	63.79	1,264.30	21.07	6.42	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.59E-02	1.01E-01	3.06E-04	4.47E-04	0.00E+00	0.00E+00
COOLTOW	N2 Plant	N2-CT114-3	CTN2_03	506247.14	5044080.6	62.70	17.00	5.18	11.67	3.56	135,155.87	63.79	1,264.30	21.07	6.42	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.59E-02	1.01E-01	3.06E-04	4.47E-04	0.00E+00	0.00E+00
COOLTOW	PCB-1	RACB3-CT-114-1-35	CTCB_01	506297	5043636	62.70	17.00	5.18	11.67	3.56	362,108.87	170.90	3,387.32	56.46	17.21	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.17E-02	7.28E-02	2.19E-04	3.21E-04	0.00E+00	0.00E+00
COOLTOW	PCB-1	RACB3-CT-114-2-35	CTCB_02	506298	5043639	62.70	17.00	5.18	11.67	3.56	362,108.87	170.90	3,387.32	56.46	17.21	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.17E-02	7.28E-02	2.19E-04	3.21E-04	0.00E+00	0.00E+00
COOLTOW	PCB-1	RACB3-CT-114-3-35	CTCB_03	506299	5043642	62.70	17.00	5.18	11.67	3.56	362,108.87	170.90	3,387.32	56.46	17.21	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.17E-02	7.28E-02	2.19E-04	3.21E-04	0.00E+00	0.00E+00
COOLTOW	WATR	RAWTR1-CH918-1-11	CTWTR_01	506036.99	5043917.3	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.59E-02	1.01E-01	3.06E-04	4.47E-04	0.00E+00	0.00E+00
COOLTOW	WATR	RAWTR1-CH918-2-11	CTWTR_02	506041.55	5043917.6	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.59E-02	1.01E-01	3.06E-04	4.47E-04	0.00E+00	0.00E+00
COOLTOW	WATR	RAWTR1-CH918-3-11	CTWTR_03	506049.25	5043917.6	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.59E-02	1.01E-01	3.06E-04	4.47E-04	0.00E+00	0.00E+00
COOLTOW	WATR	RAWTR1-CH918-4-11	CTWTR_04	506053.37	5043917.4	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.59E-02	1.01E-01	3.06E-04	4.47E-04	0.00E+00	0.00E+00
COOLTOW	WATR	RAWTR1-CH918-5-11	CTWTR_05	506037.1	5043904	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.59E-02	1.01E-01	3.06E-04	4.47E-04	0.00E+00	0.00E+00
COOLTOW	WATR	RAWTR1-CH918-6-11	CTWTR_06	506041.66	5043904.3	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.59E-02	1.01E-01	3.06E-04	4.47E-04	0.00E+00	0.00E+00
COOLTOW	WATR	RAWTR1-CH918-7-11	CTWTR_07	506048.6	5043904.5	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.59E-02	1.01E-01	3.06E-04	4.47E-04	0.00E+00	0.00E+00
COOLTOW	WATR	RAWTR1-CH918-8-11	CTWTR_08	506053.48	5043904.4	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.59E-02	1.01E-01	3.06E-04	4.47E-04	0.00E+00	0.00E+00
COOLTOW	WATR	RAWTR1-CH918-9-11	CTWTR_09	506036.74	5043892.3	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.59E-02	1.01E-01	3.06E-04	4.47E-04	0.00E+00	0.00E+00
COOLTOW	WATR	RAWTR1-CH918-10-11	CTWTR_10	506042.65	5043892.3	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.59E-02	1.01E-01	3.06E-04	4.47E-04	0.00E+00	0.00E+00
COOLTOW	WATR	RAWTR1-CH918-11-11	CTWTR_11	506049.21	5043892.6	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.59E-02	1.01E-01	3.06E-04	4.47E-04	0.00E+00	0.00E+00
COOLTOW	WATR	RAWTR1-CH918-12-11	CTWTR_12	506053.84	5043892.3	62.70	73.00	22.25	12.00	3.66	332,598.33	156.97	2,940.81	49.01	14.94	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.59E-02	1.01E-01	3.06E-04	4.47E-04	0.00E+00	0.00E+00
COOLTOW	AL4	AL4-CHW-CT2	CTA4_01	508843.13	5037820.4	69.40	23.28	7.10	8.00	2.44	81,918.56	38.66	1,629.88	27.16	8.28	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.01E-03	1.42E-02	2.14E-05	6.26E-05	0.00E+00	0.00E+00
COOLTOW	AL4	AL4-CHW-CT3	CTA4_02	508850.11	5037827.2	69.40	23.28	7.10	8.00	2.44	81,918.56	38.66	1,629.88	27.16	8.28	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	6.01E-03	1.42E-02	2.14E-05	6.26E-05	0.00E+00	0.00E+00
COOLTOW	F15	F15-CT29-1-1	CTF15_01	508966.76	5037839.6	69.40	37.50	11.43	9.33	2.84	111,511.15	52.63	1,629.88	27.16	8.28	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	2.88E-02	4.42E-02	1.03E-04	1.95E-04	0.00E+00	0.00E+00
COOLTOW	F15	F15-CT29-1-2	CTF15_02	508958.95	5037844.1	69.40	37.50	11.43	9.33	2.84	111,511.15	52.63	1,629.88	27.16	8.28	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	2.88E-02	4.42E-02	1.03E-04	1.95E-04	0.00E+00	0.00E+00
COOLTOW	F15	F15-CT29-1-3	CTF15_03	508949.3	5037849.6	69.40	37.50	11.43	11.00	3.35	178,575.07	84.28	1,879.08	31.32	9.55	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.90E-02	4.42E-02	1.74E-04	1.95E-04	0.00E+00	0.00E+00
COOLTOW	F15	F15-CT29-1-4	CTF15_04	508937.84	5037856.2	69.40	37.50	11.43	11.00	3.35	178,575.07	84.28	1,879.08	31.32	9.55	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.90E-02	4.42E-02	1.74E-04	1.95E-04	0.00E+00	0.00E+00
COOLTOW	F15	F15-CT29-1-5	CTF15_05	508941.56	5037862.4	69.40	37.50	11.43	11.00	3.35	178,575.07	84.28	1,879.08	31.32	9.55	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	4.90E-02	4.42E-02	1.74E-04	1.95E-04	0.00E+00	0.00E+00
COOLTOW	F15	F15-CT29-1-6-1	CTF15_06	508973.89	5037851.8	69.40	37.50	11.43	7.00	2.13	34,408.81	16.24	894.10	14.90	4.54	68.00	293.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	6.21E-02	8.81E-03	7.94E-03	3.13E-05	3.50E-05	0.00E+00	0.00E+00
PSSS	D1B	F20-SC-134-1-100	PSDB_01	506665.95	5043736	62.70	95.00	28.96	3.50	1.07	10,362.20	4.89	1,077.03	17.95	5.47	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-03	3.84E-02	5.42E-03	2.38E-02	1.78E-05	7.82E-05	0.00E+00	0.00E+00
PSSS	D1C	D1C Combined Modeling Stack	PSDC_M	506678.31	5043478.3	62.70	77.00	23.47	3.00	0.91	2,960.63	1.40	418.84	6.98	2.13	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-03	4.19E-02	5.92E-03	2.59E-02	1.95E-05	8.53E-05	0.00E+00	0.00E+00
PSSS	D1D	D1D Combined Modeling Stack	PSDD_M	506495	5043302.7	62.70	89.00	27.13	3.00	0.91	9,858.89	4.65	1,394.75	23.25	7.09	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-02	6.29E-02	8.88E-03	3.89E-02	2.92E-05	1.28E-04	0.00E+00	0.00E+00
PSSS	CUB2	D1C-SC133-1-200	SCC2_01	506538.3	5043483.1	62.70	46.00	14.02	0.83	0.25	2,960.63	1.40	5,428.21	90.47	27.58	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	3.49E-03	4.93E-04	2.16E-03	1.62E-06	7.11E-06	0.00E+00	0.00E+00
PSSS	RP1	RP1-SC134-1-100	PSRP1_01	506719.16	5043351.4	62.70	85.00	25.91	3.50	1.07	12,434.64	5.87	1,292.43	21.54	6.57	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-03	2.94E-02	4.14E-03	1.81E-02	1.36E-05	5.97E-05	0.00E+00	0.00E+00
PSSS	CUB3	SC-133-1-200	SCC3_01	506269.27	5043482.1	62.70	45.00	13.72	1.50	0.46	5,921.26	2.79	3,350.75	55.85	17.02	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	6.99E-03	9.86E-04	4.32E-03	3.24E-06	1.42E-05	0.00E+00	0.00E+00
PSSS	D1XM1	D1XM1 Combined Modeling Stack	PSM1_M	506292.09	5043322.5	62.70	120.00	36.58	4.17	1.27	8,881.89	4.19	651.39	10.86	3.31	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-02	1.12E-01	1.58E-02	6.91E-02	5.19E-05	2.27E-04	0.00E+00	0.00E+00
PSSS	D1XM2	D1XM2 Combined Modeling Stack	PSM2_M	506132.4	5043250.6	62.70	120.00	36.58	4.17	1.27	8,881.89	4.19	651.39	10.86	3.31	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-02	1.12E-01	1.58E-02	6.91E-02	5.19E-05	2.27E-04	0.00E+00	0.00E+00
PSSS	D1XM3	D1XM3 Combined Modeling Stack	PSM3_M	505977.34	5043186.3	62.70	120.00	36.58	4.17	1.27	8,881.89	4.19	651.39	10.86	3.31	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-02	1.12E-01	1.58E-02	6.91E-02	5.19E-05	2.27E-04	0.00E+00	0.00E+00
PSSS	D1XM4	D1XM4-SC134-1-00	PSM4_01	506051.27	5042983.2	62.70	98.50	30.02	6.17	1.88	22,500.78	10.62	753.37	12.56	3.83	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-02	6.64E-02	9.37E-03	4.10E-02	3.08E-05	1.35E-04	0.00E+00	0.00E+00
PSSS	D1XM4	D1XM4-SC134-2-00	PSM4_02	506054.72	5042975.2	62.70	98.50	30.02	6.17	1.88	22,500.78	10.62	753.37	12.56	3.83	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-02	6.64E-02	9.37E-03	4.10E-02	3.08E-05	1.35E-04	0.00E+00	0.00E+00
PSSS	PUB1	PUB1-SC133-1-00	SCPB1_01	506190.72	5043438.6	62.70	119.00	36.27	3.00	0.91	9,000.00	4.25	1,273.24	21.22	6.47	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-03	1.40E-02	1.97E-03	8.64E-03	6.49E-06	2.84E-05	0.00E+00	0.00E+00
PSSS	PUB1	PUB1-SC133-2-00	SCPB1_02	506194.51	5043438.7	62.70	119.00	36.27	3.00	0.91	9,000.00	4.25	1,273.24	21.22	6.47	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-03	1.40E-02	1.97E-03	8.64E-03	6.49E-06	2.84E-05	0.00E+00	0.00E+00
PSSS	F15	F15-SC7-2-12	PSF15_01	508968.32	5037829	69.40	73.00	22.25	3.50	1.07	17,171.65	8.10	1,784.79	29.75	9.07	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	6.99E-03	9.86E-04	4.32E-03	3.24E-06	1.42E-05	0.00E+00	0.00E+00
PSSS	F15	F15-SC7-1-7	PSF15_02	508893.72	5037752.1	69.40	73.00	22.25	2.00	0.61	5,921.26	2.79	1,884.80	31.41	9.57	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-03	2.03E-02	2.86E-03	1.25E-02	9.41E-06	4.12E-05	0.00E+00	0.00E+00
PSSS	F15	F15-SC7-2-7	PSF15_03	508805.99	5037833.7	69.40	50.00	15.24	3.50	1.07	17,171.65	8.10	1,784.79	29.75	9.07	57.00	287.04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-03	2.03E-02	2.86E-03	1.25E-02	9.41E-06	4.12E-05	0.00E+00	0.00E+00
EGEN	Pump House #1	PH #1	FIRS4_01	505986.52	5043796.5	62.70	65.00	19.81	0.42	0.13	1,016.65	0.48	7,455.96	124.27	37.88	918.00	765.37	1.31E+00	3.28E-02	7.45E-01	1.86E-02	3.27E-02	8.16E-04	3.27E-02	8.16E-04	3.27E-02	8.16E-04	1.58E-03	3.94E-05
EGEN	Pump House #2	PH #2	FIPH2_01	506319.9	5043633.7	62.70	15.00	4.57	0.42	0.13	2,278.74	1.08	16,711.96	278.53	84.90	987.00	803.71	7.70E-01	1.92E-02	3.42E-01	8.55E-03	3.27E-02	8.16E-04	3.27E-02	8.16E-04	3.27E-02	8.16E-04	1.58E-03	3.94E-05
EGEN	Pump House #3	PH #3	FIPH1_01	506814.61	5043923	62.70	15.00	4.57	0.33	0.10	1,159.70	0.55	13,289.17	221.49	67.51	815.00	708.15	2.93E+00	7.33E-02	6.36E-01	1.59E-02	1.49E-01	3.73E-03	1.49E-01	3.73E-03	1.49E-01	3.73E-03	2.61E-03	6.52E-05
EGEN	Pump House #4	PH #4	FIC5_01	505849.77	5043556	62.70	83.00	25.30	0.50	0.15	1,539.98	0.73	7,843.07	130.72	39.84	873.00	740.37	2.84E+00	7.10E-02	6.15E-01	1.54E-02	7.89E-03	1.97E-04	7.89E-03	1.97E-04	7.89E-03	1.97E-04	2.52E-03	6.31E-05
EGEN	RA1	RA1-ELEC-CPS-GEN01	EGR1_01	506791	5043642.8	62.70	95.00	28.96	0.83	0.25	4,143.92	1.96	7,597.74	126.63	38.60	876.00	742.04	2.82E+01	3.52E-01	1.29E+01	1.62E-01	1.28E+00	1.60E-02	1.28E+00	1.60E-02	1.28E+00	1.60E-02	2.62E-02	3.27E-04
EGEN	RA1	RA1-ELEC-CPS-GEN02	EGR1_02	506791	5043639.4	62.70	95.00	28.96	0.83	0.25	4,143.92	1.96	7,597.74	126.63	38.60	876.00	742.04	2.82E+01	3.52E-01	1.29E+01	1.62E-01	1.28E+00	1.60E-02	1.28E+00	1.60E-02	1.28E+00	1.60E-02	2.62E-02	3.27E-04
EGEN	RA1	RA1-ELEC-CPS-GEN03	EGR1_03	506791	5043636.3	62.70	95.00	28.96	0.83	0.25	4,143.92	1.96	7,597.74	126.63	38.60	876.00	742.04	2.82E+01	3.52E-01	1.29E+01	1.62E-01	1.28E+00	1.60E-02	1.28E+00	1.60E-02	1.28E+00	1.60E-02	2.62E-02	3.27E-04
EGEN	RA1	RA1-ELEC-CPS-GEN04	EGR1_04	506791	5043632.9	62.70	95.00	28.96	0.83	0.25	4,143.92	1.96	7,597.74	126.63	38.60	876.00	742.04	2.82E+01	3.52E-01	1.29E+01	1.62E-01	1.28E+00	1.60E-02	1.28E+00	1.60E-02	1.28E+00	1.60E-02	2.62E-02	3.27E-04
EGEN	D1C	D1C-CPS-GEN01	EGDC_01	506673.31	5043439.3	62.70	67.00	20.42	0.83	0.25	3,183.44	1.50	5,836.73	97.28	29.65	1,271.00	961.48	3.94E+01	4.93E-01	1.08E+01	1.36E-01	1.60E+00	2.00E-02	1.60E+00	2.00E-02	1.60E+00	2.00E-02	2.14E-02	2.68E-04
EGEN	D1C	D1C-CPS-GEN02	EGDC_02	506673.31	5043438.4	62.70	67.00	20.42	0.83	0.25	3,183.44	1.50	5,836.73	97.28	29.65	1,271.00	961.48	3.94E+01	4.93E-01	1.08E+01	1.36E-01	1.60E+00	2.00E-02	1.60E+00	2.00E-02	1.60E+00	2.00E-02	2.14E-02	2.68E-04
EGEN	D1C	D1C-CPS-GEN03	EGDC_03	506673.31	5043437.6	62.70	67.00	20.42	0.83	0.25	3,183.44	1.50	5,836.73	97.28	29.65	1,271.00	961.48	3.94E+01	4.93E-01	1.08E+01	1.36E-01	1.60E+00	2.00E-02	1.60E+00	2.00E-02	1.60E+00	2.00E-02	2.14E-02	2.68E-04
EGEN	D1C	D1C-EPS-GEN01	EGDC_04	506673.33	5043513.9	62.70	67.00	20.42	0.83	0.25	6,462.38	3.05	11,848.54	197.48	60.19	869.00	738.15	2.34E+01	2.92E-01	3.29E+00	4.11E-02	8.00E-01	1.00E-02	8.00E-01	1.00E-02	8.00E-01	1.00E-02	3.11E-02	3.88E-04
EGEN	D1C	D1C-EPS-GEN02	EGDC_05	506673.33	5043512	62.70	67.00	20.42	0.83	0.25	6,462.38	3.05	11,848.54	197.48	60.19	869.00	738.15	2.34E+01	2.92E-01	3.29E+00	4.11E-02	8.00E-01	1.00E-02	8.00E-01	1.00E-02	8.00E-01	1.00E-02	3.11E-02	3.88E-04
EGEN	RB1	RB1-EPS-GEN01	EGRB1_01	506638.99	5043634.1	62.70	95.00	28.96	1.00	0.30	1,933.96	0.91	2,462.40	41.04	12.51	1,234.00	940.93	7.10E+01	8.88E-01	4.88E+00	6.10E-02	6.27E-01	7.84E-03	6.27E-01	7.84E-03	6.27E-01	7.84E-03	3.49E-02	4.36E-04
EGEN	RP1	RP1-EPS-GEN01	EGRP1_01	506651.54	5043269.7	62.70	42.00	12.80	1.00	0.30	5,514.40	2.60	7,021.15	117.02	35.67	963.00	790.37	3.88E+01	4.85E-01	6.94E+00	8.68E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	3.46E-02	4.32E-04
EGEN	RP1	RP1-GEN-2	EGRP1_02	506651.54	5043267.2	62.70	42.00	12.80	1.00	0.30	5,514.40	2.60	7,021.15	117.02	35.67	963.00	790.37	3.70E+01	4.63E-01	1.57E+01	1.96E-01	4.00E-01	5.00E-03	4.00E-01	5.00E-03	4.00E-01	5.00E-03	3.46E-02	4.32E-04
EGEN	D1D EGEN	EPS-GEN01	EGDD_01	506569.98	5043352.3	62.70	115.00	35.05	0.67	0.20	4,325.62	2.04	12,391.98	206.53	62.95	814.10	707.65	3.58E+01	4.47E-01	5.31E+00	6.64E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	3.50E-02	4.38E-04
EGEN	D1D EGEN	EPS-GEN02	EGDD_02	506569.98	5043352.3	62.70	115.00	35.05	0.67	0.20	4,325.62	2.04	12,391.98	206.53	62.95	814.10	707.65	3.58E+01	4.47E-01	5.31E+00	6.64E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	3.50E-02	4.38E-04
EGEN	D1D EGEN	EPS-GEN03	EGDD_03	506569.98	5043352.3	62.70	115.00	35.05	0.67	0.20	4,325.62	2.04	12,391.98	206.53	62.95	814.10	707.65	3.58E+01	4.47E-01	5.31E+00	6.64E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	3.50E-02	4.38E-04
EGEN	D1D EGEN	EPS-GEN04	EGDD_04	506569.98	5043352.3	62.70	115.00	35.05	0.67	0.20	4,325.62	2.04	12,391.98	206.53	62.95	814.10	707.65	3.58E+01	4.47E-01	5.31E+00	6.64E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	3.50E-02	4.38E-04
EGEN	D1D EGEN	EPS-GEN05	EGDD_05	506569.98	5043352.3	62.70	115.00	35.05	0.67	0.20	4,325.62	2.04	12,391.98	206.53	62.95	814.10	707.65	3.58E+01	4.47E-01	5.31E+00	6.64E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	3.50E-02	4.38E-04
EGEN	D1D EGEN	EPS-GEN06	EGDD_06	506569.98	5043352.3	62.70	115.00	35.05	0.67	0.20	4,325.62	2.04	12,391.98	206.53	62.95	814.10	707.65	3.58E+01	4.47E-01	5.31E+00	6.64E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	3.50E-02	4.38E-04
EGEN	D1D EGEN	D1D-GEN-7	EGDD_07	506569.98	5043352.3	62.70	115.00	35.05	0.67	0.20	4,325.62	2.04	12,391.98	206.53	62.95	814.10	707.65	3.58E+01	4.47E-01	5.31E+00	6.64E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	3.50E-02	4.38E-04
EGEN	RS4	RS4-ELEC-EG-4-1	EGRS4_01	506001.58	5043791.3	62.70	18.00	5.49	0.42	0.13	292.99	0.14	2,148.78	35.81	10.92	1,234.00	940.93	8.88E+00	1.11E-01	2.56E+00	3.20E-02	7.51E-01	9.39E-03	7.51E-01	9.39E-03	7.51E-01	9.39E-03	5.45E-03	6.81E-05
EGEN	RS6	RS6-ELEC-EG-6-1	EGRS6_01	505987.76	5043560.5	62.70	18.00	5.49	0.42	0.13	292.99	0.14	2,148.78	35.81	10.92	1,234.00	940.93	8.88E+00	1.11E-01	2.56E+00	3.20E-02	7.51E-01	9.39E-03	7.51E-01	9.39E-03	7.51E-01	9.39E-03	5.45E-03	6.81E-05
EGEN	RS6	RS6-GEN-2	EGRS6_02	505987.77	5043558.8	62.70	18.00	5.49	0.67	0.20	4,325.62	2.04	12,391.98	206.53	62.95	814.10	707.65	3.58E+01	4.47E-01	5.31E+00	6.64E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	1.10E+00	1.38E-02	3.50E-02	4.38E-04
EGEN	D1X EGEN1	D1X-GEN-1A	EGE1_01	506155.26	5043820.5	62.70	51.00	15.54	1.67	0.51	7,810.35	3.69	3,580.00	59.67	18.19	829.00	715.93	4.78E+01	5.98E-01	5.61E+00	7.01E-02	6.41E-01	8.01E-03	6.41E-01	8.01E-03	6.41E-01	8.01E-03	4.41E-02	5.51E-04
EGEN	D1X EGEN1	D1X-GEN-1B	EGE1_02	506153.79	5043822.3	62.70	51.00	15.54	1.67	0.51	7,810.35	3.69	3,580.00	59.67	18.19	829.00	715.93	4.78E+01	5.98E-01	5.61E+00	7.01E-02	6.41E-01	8.01E-03	6.41E-01	8.01E-03	6.41E-01	8.01E-03	4.41E-02	5.51E-04
EGEN	D1X EGEN1	D1X-GEN-1C	EGE1_03	506160	5043825.7	62.70	51.00	15.54	1.67	0.51	7,810.35	3.69	3,580.00	59.67	18.19	829.00	715.93	4.78E+01	5.98E-01	5.61E+00	7.01E-02	6.41E-01	8.01E-03	6.41E-01	8.01E-03	6.41E-01	8.01E-03	4.41E-02	5.51E-04
EGEN	D1X EGEN1	D1X-GEN-2A	EGE1_04	506158.66	5043827.6	62.70	51.00	15.54	1.67	0.51	7,810.35	3.69	3,580.00	59.67	18.19	829.00	715.93	4.78E+01	5.98E-01	5.61E+00	7.01E-02	6.41E-01	8.01E-03	6.41E-01	8.01E-03	6.41E-01	8.01E-03	4.41E-02	5.51E-04
EGEN	D1X EGEN1	D1X-GEN-2B	EGE1_05	506164.13	5043829.9	62.70	51.00	15.54	1.67	0.51	7,810.35	3.69	3,580.00	59.67	18.19	829.00	715.93	4.78E+01	5.98E-01	5.61E+00	7.01E-02	6.41E-01	8.01E-03	6.41E-01	8.01E-03	6.41E-01	8.01E-03	4.41E-02	5.51E-04
EGEN	D1X EGEN1	D1X-GEN-2C	EGE1_06	506162.5	5043832	62.70	51.00	15.54	1.67	0.51	7,810.35	3.69	3,580.00	59.67	18.19	829.00	715.93	4.78E+01	5.98E-01	5.61E+00	7.01E-02	6.41E-01	8.01E-03	6.41E-01	8.01E-03	6.41E-01	8.01E-03	4.41E-02	5.51E-04
EGEN	D1X EGEN1	D1X-GEN-3A	EGE1_07	506168.77	5043834.3	62.70	51.00	15.54	1.67	0.51	7,810.35	3.69	3,580.00	59.67	18.19	829.00	715.93	4.78E+01	5.98E-01	5.61E+00	7.01E-02	6.41E-01	8.01E-03	6.41E-01	8.01E-03	6.41E-01	8.01E-03	4.41E-02	5.51E-04
EGEN	D1X EGEN1	D1X-GEN-3B	EGE1_08	506185.64	5043852.6	62.70	51.00	15.54	1.67	0.51	7,810.35	3.69	3,580.00	59.67	18.19	829.00	715.93	4.78E+01	5.98E-01	5.61E+00	7.01E-02	6.41E-01	8.01E-03	6.41E-01	8.01E-03	6.41E-01	8.01E-03	4.41E-02	5.51E-04
EGEN	D1X EGEN1	D1X-GEN-3C	EGE1_09	506183.92	5043854	62.70	51.00	15.54	1.67	0.51	7,810.35	3.69	3,580.00	59.67	18.19	829.00	715.93	4.78E+01	5.98E-01	5.61E+00	7.01E-02	6.41E-01	8.01E-03	6.41E-01	8.01E-03	6.41E-01	8.01E-03	4.41E-02	5.51E-04
EGEN	D1X EGEN1	D1X-GEN-4A	EGE1_10	506189.85	5043857.4	62.70	51.00	15.54	1.67	0.51	7,810.35	3.69	3,580.00	59.67	18.19	829.00	715.93	4.78E+01	5.98E-01	5.61E+00	7.01E-02	6.41E-01	8.01E-03	6.41E-01	8.01E-03	6.41E-01	8.01E-03	4.41E-02	5.51E-04
EGEN	D1X EGEN1	D1X-GEN-4B	EGE1_11	506188.4	5043858.8	62.70	51.00	15.54	1.67	0.51	7,810.35	3.69	3,580.00	59.67	18.19	829.00	715.93	4.78E+01	5.98E-01	5.61E+00	7.01E-02	6.41E-01	8.01E-03	6.41E-01	8.01E-03	6.41E-01	8.01E-03	4.41E-02	5.51E-04
EGEN	D1X EGEN1	D1X-GEN-4C	EGE1_12	506194.66	5043862	62.70	51.00	15.54	2.00	0.61	22,779.74	10.75	7,251.02	120.85	36.84	829.00	715.93	4.88E+01	6.10E-01	3.76E-01	4.70E-03	4.80E-02	6.01E-04	4.80E-02	6.01E-04	4.80E-02	6.01E-04	5.18E-02	6.47E-04
EGEN	D1X EGEN1	D1X-GEN-5C	EGE1_13	506192.64	5043863.1	62.70	51.00	15.54	1.67	0.51	7,810.35	3.69	3,580.00	59.67	18.19	829.00	715.93	4.78E+01	5.98E-01	5.61E+00	7.01E-02	6.41E-01	8.01E-03	6.41E-01	8.01E-03	6.41E-01	8.01E-03	4.41E-02	5.51E-04
EGEN	D1X EGEN1	D1X-GEN-5A	EGE1_14	506199.06	5043866.4	62.70	51.00	15.54	2.00	0.61	22,779.74	10.75	7,251.02	120.85	36.84	829.00	715.93	4.88E+01	6.10E-01	3.76E-01	4.70E-03	1.01E-01	1.26E-03	1.01E-01	1.26E-03	1.01E-01	1.26E-03	5.18E-02	6.47E-04
EGEN	D1X EGEN1	D1X-GEN-5B	EGE1_15	506197.76	5043867.4	62.70	51.00	15.54	2.00	0.61	22,779.74	10.75	7,251.02	120.85	36.84	829.00	715.93	4.88E+01	6.10E-01	3.76E-01	4.70E-03	1.51E-02	1.89E-04	1.51E-02	1.89E-04	1.51E-02	1.89E-04	5.18E-02	6.47E-04
EGEN	D1X EGEN1	D1X-GEN-6A	EGE1_16	506202.67	5043870.6	62.70	51.00	15.54	2.00	0.61	22,779.74	10.75	7,251.02	120.85	36.84	829.00	715.93	4.88E+01	6.10E-01	3.76E-01	4.70E-03	1.51E-02	1.89E-04	1.51E-02	1.89E-04	1.51E-02	1.89E-04	5.18E-02	6.47E-04
EGEN	D1X EGEN1	D1X-GEN-6B	EGE1_17	506201.1	5043871.7	62.70	51.00	15.54	2.00	0.61	22,779.74	10.75	7,251.02	120.85	36.84	829.00	715.93	4.88E+01	6.10E-01	3.76E-01	4.70E-03	1.51E-02	1.89E-04	1.51E-02	1.89E-04	1.51E-02	1.89E-04	5.18E-02	6.47E-04
EGEN	D1X EGEN1	D1X-GEN-6C	EGE1_18	506208.48	5043875.8	62.70	51.00	15.54	2.00	0.61	22,779.74	10.75	7,251.02	120.85	36.84	829.00	715.93	4.88E+01	6.10E-01	3.76E-01	4.70E-03	1.51E-02	1.89E-04	1.51E-02	1.89E-04	1.51E-02	1.89E-04	5.18E-02	6.47E-04
EGEN	D1X EGEN1	D1X-GEN-7A	EGE1_19	506206.28	5043877.6	62.70	51.00	15.54	1.67	0.51	7,810.35	3.69	3,580.00	59.67	18.19	829.00	715.93	4.78E+01	5.98E-01	1.12E+00	1.40E-02	9.61E-02	1.20E-03	9.61E-02	1.20E-03	9.61E-02	1.20E-03	4.41E-02	5.51E-04
EGEN	D1X EGEN1	D1X-GEN-7B	EGE1_20	506210.87	5043879	62.70	51.00	15.54	1.67	0.51	7,810.35	3.69	3,580.00	59.67	18.19	829.00	715.93	4.78E+01	5.98E-01	1.12E+00	1.40E-02	9.61E-02	1.20E-03	9.61E-02	1.20E-03	9.61E-02	1.20E-03	4.41E-02	5.51E-04
EGEN	D1X EGEN1	D1X-GEN-7C	EGE1_21	506208.89	5043880.9	62.70	51.00	15.54	1.67	0.51	7,810.35	3.69	3,580.00	59.67	18.19	829.00	715.93	4.78E+01	5.98E-01	1.12E+00	1.40E-02	9.61E-02	1.20E-03	9.61E-02	1.20E-03	9.61E-02	1.20E-03	4.41E-02	5.51E-04
EGEN	CUB5	D1X2-GEN-1A	EGC5_01	505880.6	5043410.9	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-1B	EGC5_02	505880.6	5043416.1	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-1C	EGC5_03	505880.6	5043424.3	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-2A	EGC5_04	505880.6	5043432.3	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-2B	EGC5_05	505880.6	5043445.1	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-2C	EGC5_06	505880.6	5043451.2	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-3A	EGC5_07	505880.6	5043456.9	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-3B	EGC5_08	505880.6	5043479.5	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-3C	EGC5_09	505880.6	5043485.6	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-4A	EGC5_10	505880.6	5043491.7	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-4B	EGC5_11	505880.6	5043497.8	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-4C	EGC5_12	505880.6	5043515.2	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-5A	EGC5_13	505880.6	5043521.3	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-5B	EGC5_14	505880.6	5043527.4	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-5C	EGC5_15	505880.6	5043532.8	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-6A	EGC5_16	505880.6	5043527.4	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-6B	EGC5_17	505880.6	5043521.3	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-6C	EGC5_18	505880.6	5043515.2	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-7A	EGC5_19	505880.6	5043497.8	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-7B	EGC5_20	505880.6	5043491.7	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	CUB5	D1X2-GEN-7C	EGC5_21	505880.6	5043485.6	62.70	85.04	25.92	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	D1B	F20-EPS-1	EGDB_01	506725.14	5043877.9	62.70	35.00	10.67	0.83	0.25	4,143.92	1.96	7,597.74	126.63	38.60	1,257.00	953.71	4.88E+01	6.10E-01	3.76E-01	4.70E-03	1.51E-02	1.89E-04	1.51E-02	1.89E-04	1.51E-02	1.89E-04	5.18E-02	6.47E-04
EGEN	D1B	F20-EPS-2	EGDB_02	506725.14	5043875.1	62.70	35.00	10.67	0.83	0.25	4,143.92	1.96	7,597.74	126.63	38.60	1,257.00	953.71	4.88E+01	6.10E-01	3.76E-01	4.70E-03	1.51E-02	1.89E-04	1.51E-02	1.89E-04	1.51E-02	1.89E-04	5.18E-02	6.47E-04
EGEN	D1B	F20-CPS-1	EGDB_03	506719.91	5043809.6	62.70	45.00	13.72	0.83	0.25	4,143.92	1.96	7,597.74	126.63	38.60	1,257.00	953.71	4.83E+01	6.03E-01	1.11E+01	1.38E-01	5.05E-01	6.31E-03	5.05E-01	6.31E-03	5.05E-01	6.31E-03	2.44E-02	3.05E-04
EGEN	F15	F15-EG01	EGF15_01	508927.12	5037851.6	69.40	64.50	19.66	1.00	0.30	3,628.43	1.71	4,619.86	77.00	23.47	944.00	779.82	2.62E+01	3.27E-01	1.11E+01	1.38E-01	5.05E-01	6.31E-03	5.05E-01	6.31E-03	5.05E-01	6.31E-03	2.44E-02	3.05E-04
EGEN	F15	F15-EG02	EGF15_02	508928.16	5037851.1	69.40	64.50	19.66	1.00	0.30	4,652.41	2.20	5,923.64	98.73	30.09	923.00	768.15	2.62E+01	3.27E-01	1.11E+01	1.38E-01	5.05E-01	6.31E-03	5.05E-01	6.31E-03	5.05E-01	6.31E-03	2.44E-02	3.05E-04
EGEN	F15	F15-EG03	EGF15_03	508929.2	5037850.5	69.40	64.50	19.66	1.00	0.30	4,652.41	2.20	5,923.64	98.73	30.09	923.00	768.15	2.62E+01	3.27E-01	1.11E+01	1.38E-01	5.05E-01	6.31E-03	5.05E-01	6.31E-03	5.05E-01	6.31E-03	2.44E-02	3.05E-04
EGEN	F5	F15.5-EG01	EGF5_01	509104.57	5037792.7	69.40	67.00	20.42	1.00	0.30	4,652.41	2.20	5,923.64	98.73	30.09	923.00	768.15	5.49E+01	6.87E-01	1.38E+01	1.73E-01	5.80E-01	7.25E-03	5.80E-01	7.25E-03	5.80E-01	7.25E-03	2.61E-02	3.27E-04
EGEN	F5	F15.5-EG02	EGF5_02	509109.61	5037797.5	69.40	67.00	20.42	1.00	0.30	4,652.41	2.20	5,923.64	98.73	30.09	923.00	768.15	7.02E+01	8.78E-01	1.02E+01	1.27E-01	5.40E-01	6.75E-03	5.40E-01	6.75E-03	5.40E-01	6.75E-03	2.62E-02	3.27E-04
EGEN	N2 Plant	N2-GEN-1A	EGN2_01	506274.7	5043906.6	62.70	20.00	6.10	1.17	0.36	7,749.99	3.66	7,249.66	120.83	36.83	1,034.00	829.82	7.85E+00	9.81E-02	6.64E-01	8.30E-03	4.73E-02	5.91E-04	4.73E-02	5.91E-04	4.73E-02	5.91E-04	7.32E-03	9.15E-05
EGEN	IWW	H2-GEN-1	EGH2_01	506437.39	5044073.8	62.70	26.02	7.93	0.73	0.22	2,260.10	1.07	5,399.97	90.00	27.43	926.60	770.15	2.89E+00	3.62E-02	6.85E-01	8.57E-03	2.51E-02	3.14E-04	2.51E-02	3.14E-04	2.51E-02	3.14E-04	5.62E-03	7.02E-05
EGEN	IWW	IWW-GEN-2	EGIW_01	506152.98	5044046.4	62.70	21.98	6.70	0.73	0.22	7,565.45	3.57	18,075.86	301.26	91.83	836.80	720.26	4.88E+01	6.10E-01	3.76E-01	4.70E-03	1.51E-02	1.89E-04	1.51E-02	1.89E-04	1.51E-02	1.89E-04	5.18E-02	6.47E-04
EGEN	IWW PS	IWW-GEN-1	EGIW_02	506161.38	5044046.5	62.70	19.39	5.91	0.73	0.22	7,565.45	3.57	18,075.86	301.26	91.83	836.80	720.26	4.88E+01	6.10E-01	3.76E-01	4.70E-03	1.51E-02	1.89E-04	1.51E-02	1.89E-04	1.51E-02	1.89E-04	5.18E-02	6.47E-04
EGEN	RS7	IWW-PS-1	EGIW_03	505881.34	5043340.4	62.70	21.98	6.70	0.73	0.22	7,565.45	3.57	18,075.86	301.26	91.83	836.80	720.26	7.16E+00	8.95E-02	1.33E-01	1.66E-03	2.50E-02	3.12E-04	2.50E-02	3.12E-04	2.50E-02	3.12E-04	9.16E-03	1.15E-04
EGEN	H2 Plant	MAX-EGEN	EGRS8_01	507424.81	5043383.9	62.70	8.00	2.44	0.33	0.10	776.79	0.37	9,082.11	151.37	46.14	1,234.00	940.93	7.16E+00	8.95E-02	2.24E+00	2.80E-02	8.42E-02	1.05E-03	8.42E-02	1.05E-03	8.42E-02	1.05E-03	4.07E-03	5.08E-05
EGEN	D1A	D1A-GEN-1	EGDA_01	506754.32	5043977	62.70	76.41	23.29	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	D1A	D1A-GEN-2	EGDA_02	506757.32	5043977	62.70	76.41	23.29	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	D1A	D1A-GEN-3	EGDA_03	506754.32	5043970	62.70	76.41	23.29	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	D1A	D1A-GEN-4	EGDA_04	506757.32	5043970	62.70	76.41	23.29	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	D1A	D1A-GEN-5	EGDA_05	506754.32	5043963	62.70	76.41	23.29	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	D1A	D1A-GEN-6	EGDA_06	506757.32	5043963	62.70	76.41	23.29	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	D1A	D1A-GEN-7	EGDA_07	506754.32	5043956	62.70	76.41	23.29	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
EGEN	D1A	D1A-GEN-8	EGDA_08	506757.32	5043956	62.70	76.41	23.29	1.67	0.51	22,778.73	10.75	10,441.00	174.02	53.04	830.00	716.48	6.80E+01	8.49E-01	8.87E-01	1.11E-02	8.86E-02	1.11E-03	8.86E-02	1.11E-03	8.86E-02	1.11E-03	6.10E-02	7.63E-04
LIME	Lime Silo	Lime Silo Combined	LIME	506321.13	5043487	62.70												0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-01	4.44E-01	1.01E-01	4.44E-01	1.01E-01	4.44E-01	0.00E+00	0.00E+00