



Center-wide Work Instruction (WI)

DIRECTIVE NO. 250-WI-8500.0.7C
EFFECTIVE DATE: April 16, 2018
EXPIRATION DATE: April 16, 2023

APPROVED BY Signature: Original Signed By
NAME: Raymond J. Rubilotta
TITLE: Director, Management Operations Directorate

COMPLIANCE IS MANDATORY

Responsible Office: 250/Medical and Environmental Management Division

Title: Visual Observation of Emissions

PREFACE

P.1 PURPOSE

This Work Instruction defines the procedure to perform a visual observation of emissions at the National Aeronautics and Space Administration (NASA) Goddard Space Flight Center (GSFC).

P.2 APPLICABILITY

- a. This Work Instruction applies to all Facility Management Division, Mechanical Systems Division, and Instrument Systems and Technology Division civil service and contract employees at the NASA GSFC - Greenbelt site only.
- b. In this document, all document citations are assumed to be the latest version unless otherwise noted.
- c. In this document, all mandatory actions (i.e., requirements) are denoted by statements containing the term “shall.” The terms “may” or “can” denote discretionary privilege or permission; “should” denotes a good practice and is recommended but not required; “will” denotes expected outcome; and “are/is” denotes descriptive material.

P.3 APPLICABLE DOCUMENTS AND FORMS

- a. GPR 8500.4 Air Quality Management Program
- b. National Aeronautics and Space Administration. January 2015. *NASA GSFC 2015 Title V Part 70 Operating Permit*. Permit Condition 4 Section III, Report of Excess Emissions and Deviations.
- c. Missan, R., and A. Stein. April 1975. *Guidelines for Evaluation of Visible Emissions Certification, Field Procedures, Legal Aspects, and Background Material*. EPA Publication No. EPA-340/1-75-007.
- d. Wohlschlegel, P., and D.E. Wagoner. November 1975. *Guideline for Development of a Quality Assurance Program: Volume IX-Visual Determination of Opacity Emissions from Stationary Sources*. EPA Publication No. EPA-650/4-74-005i.

P.4 CANCELLATION

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P.5 TOOLS, EQUIPMENT, AND MATERIALS

- a. Visual Observation of Emissions Field Data Sheet
- b. Clock (with unit divisions of at least 1 second)

P.6 SAFETY PRECAUTIONS AND WARNINGS

This visual observation of emissions method takes place in the outdoor environment. It is the responsibility of the user of this procedure to establish appropriate safety and health practices prior to performing this method. Observers should dress comfortably and wear appropriate shoes for outdoor work.

P.7 TRAINING

None.

P.8 RECORDS

Record Title	Record Custodian	Retention
Visual Observation of Emissions Field Data Sheet	Code 220, 540, 550	*NRRS 8/23.5A11 Destroy after second reissuance of permit or 10 years after permit expires or is cancelled. Retention should be coordinated with related permit.

* NRRS 1441.1 – NASA Records Retention Schedule

P.9 MEASUREMENT/VERIFICATION

None.

Instructions

1.0 Locations of Visual Observations

The NASA GSFC 2015 Title V Part 70 Operating Permit requires the following emission units (EU) to undergo a minimum of an annual visual observation of emissions:

ID(s)	EU Description	Building Location/ Name	Asset Number	Frequency	Observation Time
EU4-2 and EU4-3	Paint Booths #1 and #2	4/ Surface Coating Operations	N/A	Annual	1 minute
EU5A-3	Paint Booth #3	5A/ Composite Materials Laboratory	N/A	Annual	1 minute
EU5-2, EU5-4, and EU5-6	Electrochemical Plating Shop Process Lines	5/ Instrument Construction and Development Laboratory	005-SCR001	Annual	1 minute
024-BLR001 through 024-BLR005	5 - 49.5 million Btu per hour boilers	24/ Central Power Plant	024-BLR001 through 024-BLR005	Every 168 hours of operation on oil or minimum of annually	6 minutes
EU30-1 through 30-8	Clean Room Semiconductor Development and Fabrication Chemical Operations with Scrubber	30/ Quality Assurance and Detector Development Laboratory	030-SCR001	Annual	1 minute

2.0 Scope and Application

This visual observation of emissions shall determine the presence, or absence, of emissions in accordance with the NASA GSFC’s Title V Part 70 Operating Permit. This stipulation requires only the determination of whether visible emissions occur, and does not require the determination of the frequency or opacity levels of emissions. Observer certification is not required.

3.0 Summary of Method

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This method is used to determine the presence or absence of emissions from operating stationary sources. During the prescribed observation period, an observer will determine the presence or absence of visible emissions.

4.0 Interferences

- 4.1 Emissions from sources other than the affected facility (e.g., road dust) may prevent a clear view of the emission unit; if this occurs, then the observations shall be terminated. This may particularly be a problem during periods of high wind.
- 4.2 A visual observation of emissions shall not be performed when wind speeds exceed 30 miles per hour.
- 4.3 If the view of the potential emission points is obscured to such a degree that the observer questions the validity of continuing observations, then the observations shall be terminated.
- 4.4 A visual observation of emissions shall not be performed on a rainy or foggy day or after sunset.

5.0 Procedure

The following visual observation of emissions procedures shall apply.

5.1 Preparation

- 5.1.1 Be aware of the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions.
- 5.1.2 Familiarize yourself with the observation points as outlined in Appendix C (Emissions Unit Details).
- 5.1.3 Verify that the emissions unit/process to be observed is on and in operation.
- 5.1.4 Check the current weather conditions. Weather conditions may be retrieved from the National Weather Service (www.weather.gov) or other sources such as [AccuWeather](http://AccuWeather.com) or Weather.com. Verify that there are no impending weather conditions (such as humidity, lighting issues, high wind, or rain), which will prevent the completion of the visual observation of emissions.
- 5.1.5 Obtain and prepare the field data sheet for the emissions unit to be observed (Appendix E).

5.2 Visual Observation of Emissions Field Data Sheet Instructions

Record the following information on the field data sheet: date, observer's name, observer's affiliation, sky conditions, wind speed, wind direction, and humidity. Appendix D (Visual Observation of Emissions Field Data Sheet Instruction Table) contains a table, which defines each field on the Visual Observation of Emissions Field Data Sheet.

5.3 Observation

- 5.3.1 Survey the facility, building, or structure housing the emissions unit to be observed.
- 5.3.2 Position yourself at the observation point as described on the field data sheet.
- 5.3.3. Verify the unit is operating and mark the checkbox on the field data sheet.
- 5.3.4 For 024-BLR001 through 024-BLR005, mark the checkbox on the data sheet for the unit being observed.
- 5.3.5 Record the clock time when the observation begins on the field data sheet.
- 5.3.6 During the observation period (one minute or six minutes), continuously watch the emissions source.
- 5.4.7 Note if any visible emissions are observed within the time specified (condensed water vapor is not considered an emission).

5.4 Results

- 5.4.1 Indicate if any visible emissions were observed by checking the box for yes or no on the field data sheet in the 'Emissions?' section.
- 5.4.2 If any visible emissions are observed (condensed water vapor is not considered an emission), immediately contact the Medical and Environmental Management Division (MEMD).
- 5.4.3 Sign and date the field data sheet where indicated.
- 5.4.4 Provide a copy of the completed field data sheet to MEMD within 5 business days.

Appendix A – Definitions

- A1. Emission Time – the accumulated amount of time that emissions are visible during the observation period.
- A2. Visible Emission – Visible emissions are comprised of a variety of particulate matter ranging in sizes from 0.1 micrometer to 200 micrometers in diameter (compared to the average human hair, which is 70 micrometers in diameter).

Particles are categorized as:

- Smoke
- Soot
- Dust
- Fly Ash
- Fumes
- Liquid Droplets

Particles also are formed in the atmosphere by condensation or transformation of emitted gasses, such as sulfur dioxide, nitrogen oxides, and volatile organic compounds, into tiny droplets.

- A3. Observer – the individual performing the visual observation of emissions.
- A4. Observation Period – the time period during which the visual observations of emissions are conducted.

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Appendix B – Acronyms

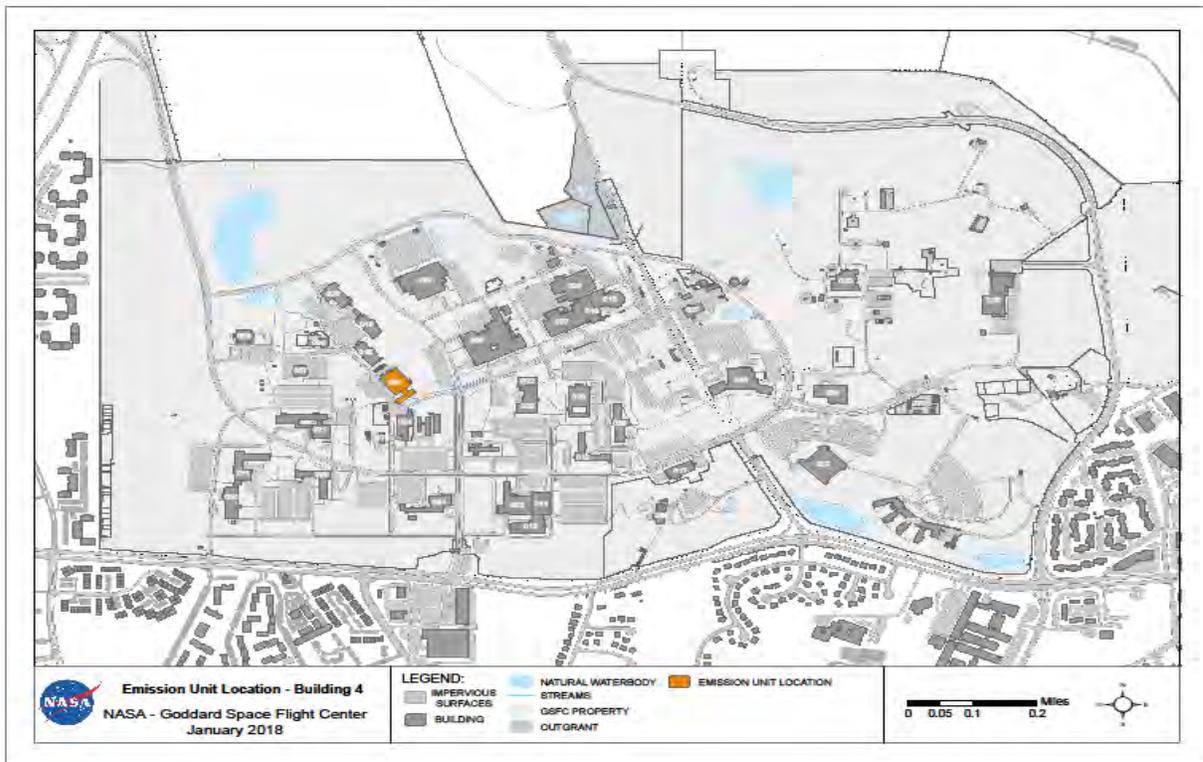
BLR	Boiler
EU	Emissions Unit
EPA	Environmental Protection Agency
GSFC	Goddard Space Flight Center
MEMD	Medical and Environmental Management Division
NASA	National Aeronautics and Space Administration
NRRS	NASA Records Retention Schedule
POC	Point of Contact
SCR	Selective Catalytic Reduction
WI	Work Instruction

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Appendix C – Emissions Unit Details

Unit Location	Building 4 – Plant Operations Coordinates: 38°59'46.46" N 76°51'15.27" W Elevation: 194 feet	POC/ Extension	Surface Coating Operations, Code 546/ x6-5738
		Observation point	Southeast corner of Building 4 (Access through Building 4 room 195A).
EU Description	Paint Booth #1 (Surface Coating Operations)	ID	EU4-2
		Asset Number	N/A



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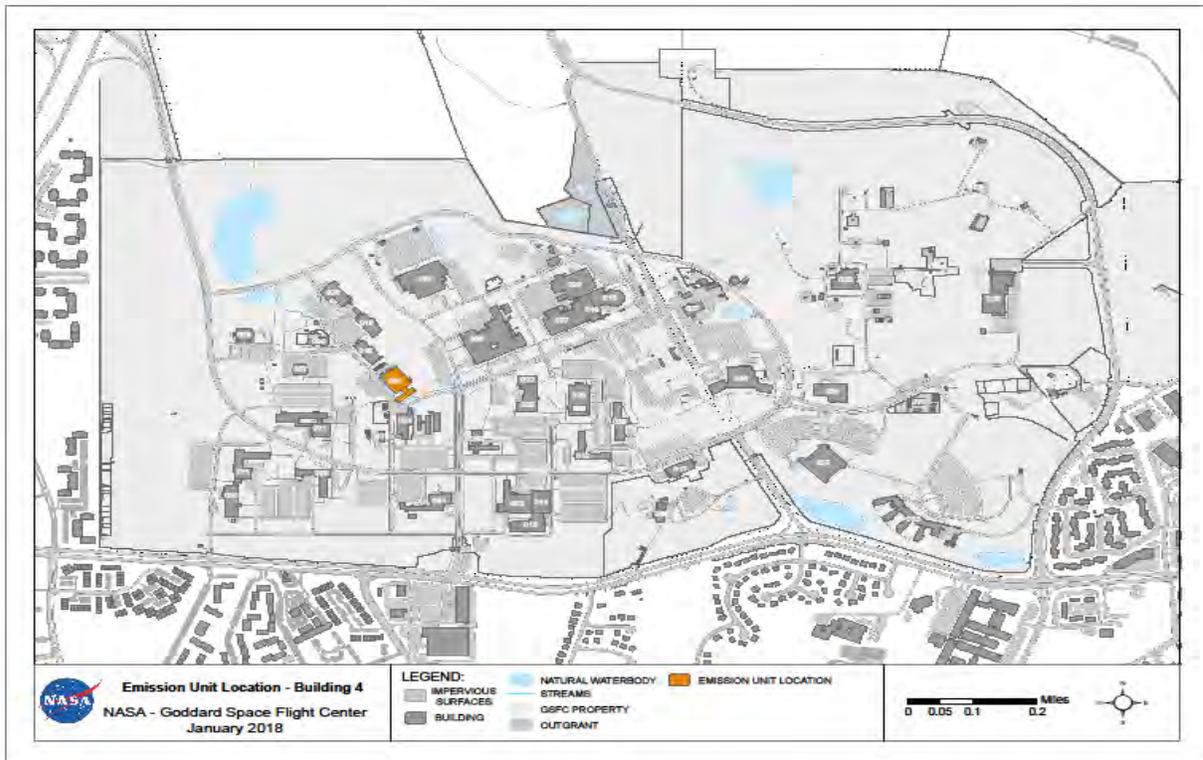
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Unit Location	Building 4 – Plant Operations Coordinates: 38°59'46.46" N 76°51'15.27" W Elevation: 194 feet	POC/ Extension	Surface Coating Operations, Code 546/ x6-5738
		Observation point	Southeast corner of Building 4 (Access through Building 4 room 195A).
EU Description	Paint Booth #2 (Surface Coating Operations)	ID	EU4-3
		Asset Number	N/A



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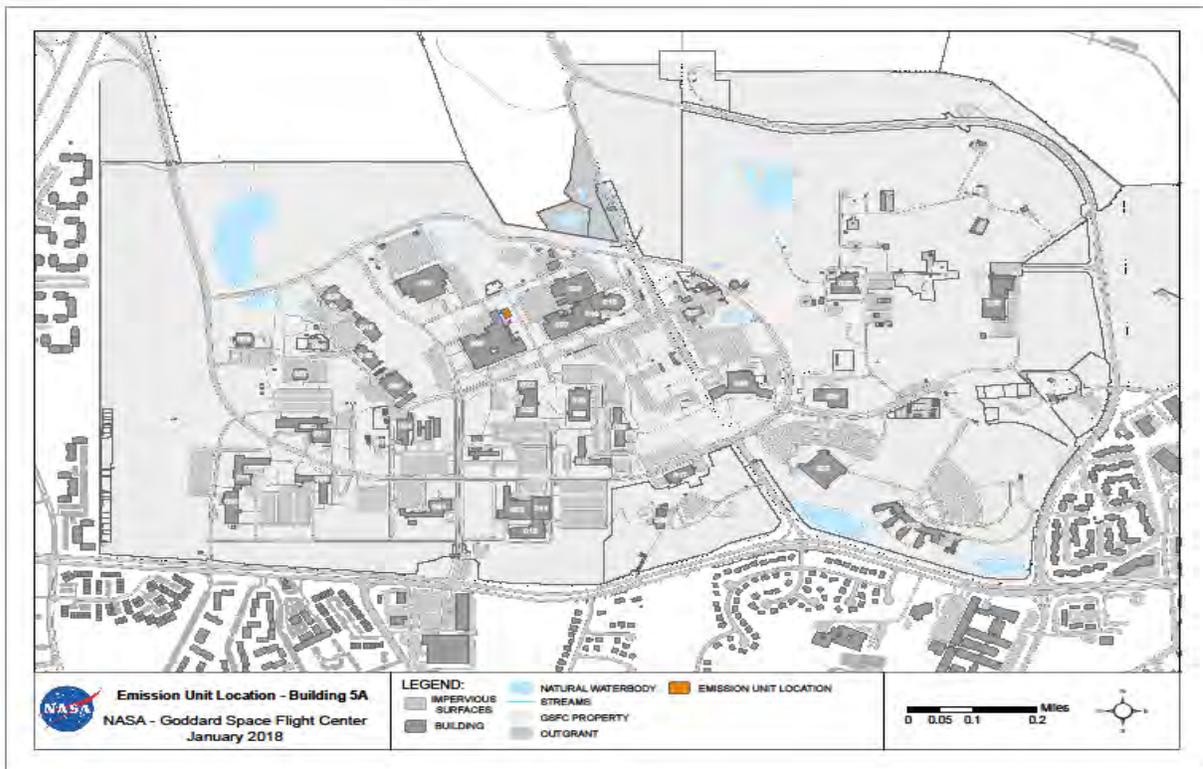
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Unit Location	Building 5A – Composite Materials Laboratory Coordinates: 38°59'54.01" N 76°51'03.43" W Elevation: 218 feet	POC/ Extension	Composite Materials Engineer, Code 547/ x6-0101
		Observation point	Northeast corner of Building 5, near Minitrack Road
EU Description	Paint Booth #3	ID	EU5A-3
		Asset Number	N/A



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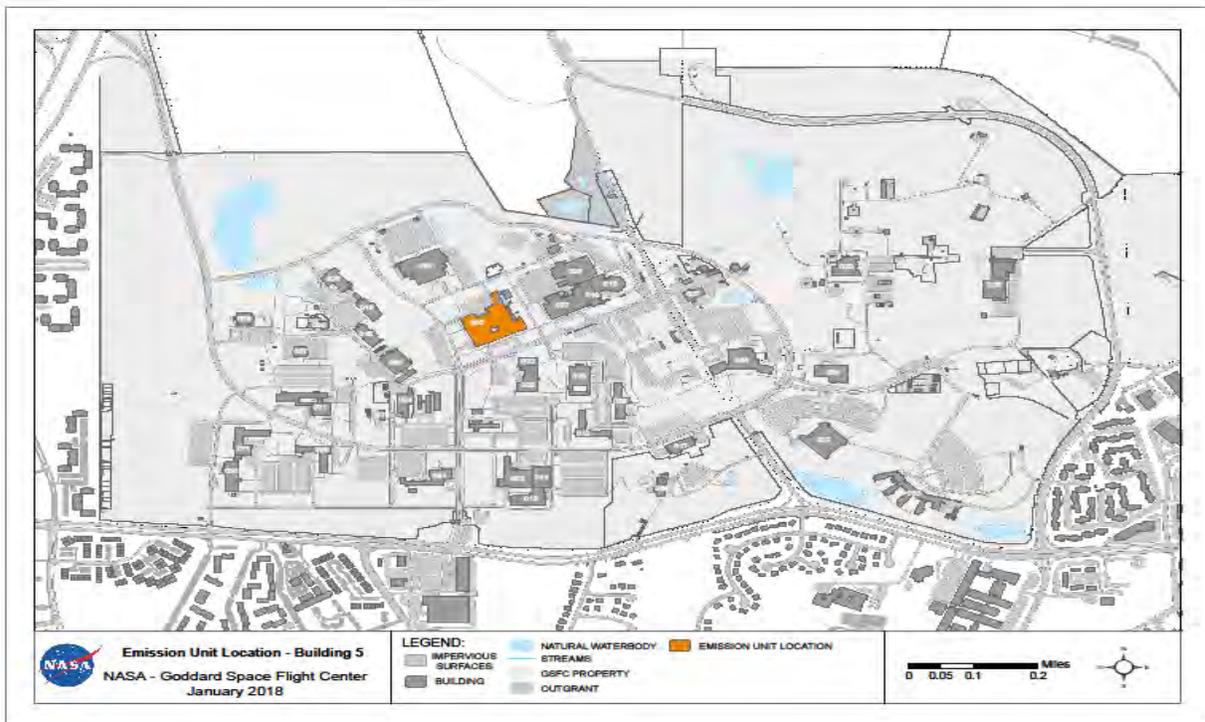
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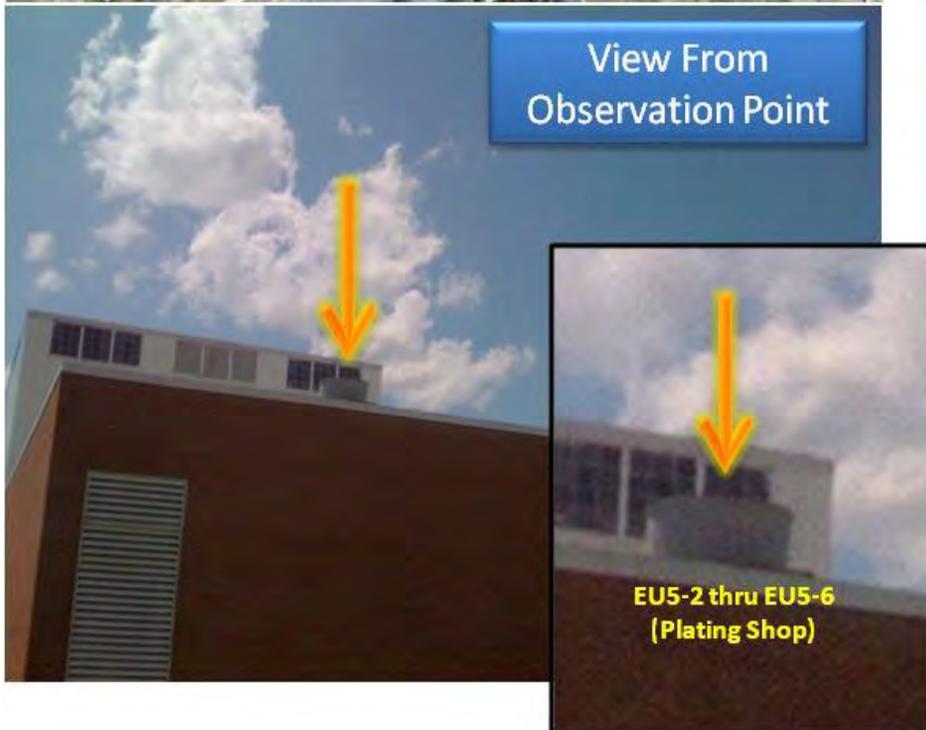
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Unit Location	Building 5 - Instrument Construction and Development Laboratory	POC/ Extension	Development Laboratory Technician, Code 540/ x6-6464
	Coordinates: 38°59'50.59" N 76°51'03.43" W Elevation: 218 feet	Observation point	Southeast corner of Building 5, near Minitrack Road.
EU Description	Electrochemical Plating Shop Process Lines	ID	EU5-2, EU5-4, EU5-6
		Asset Number	005-SCR001



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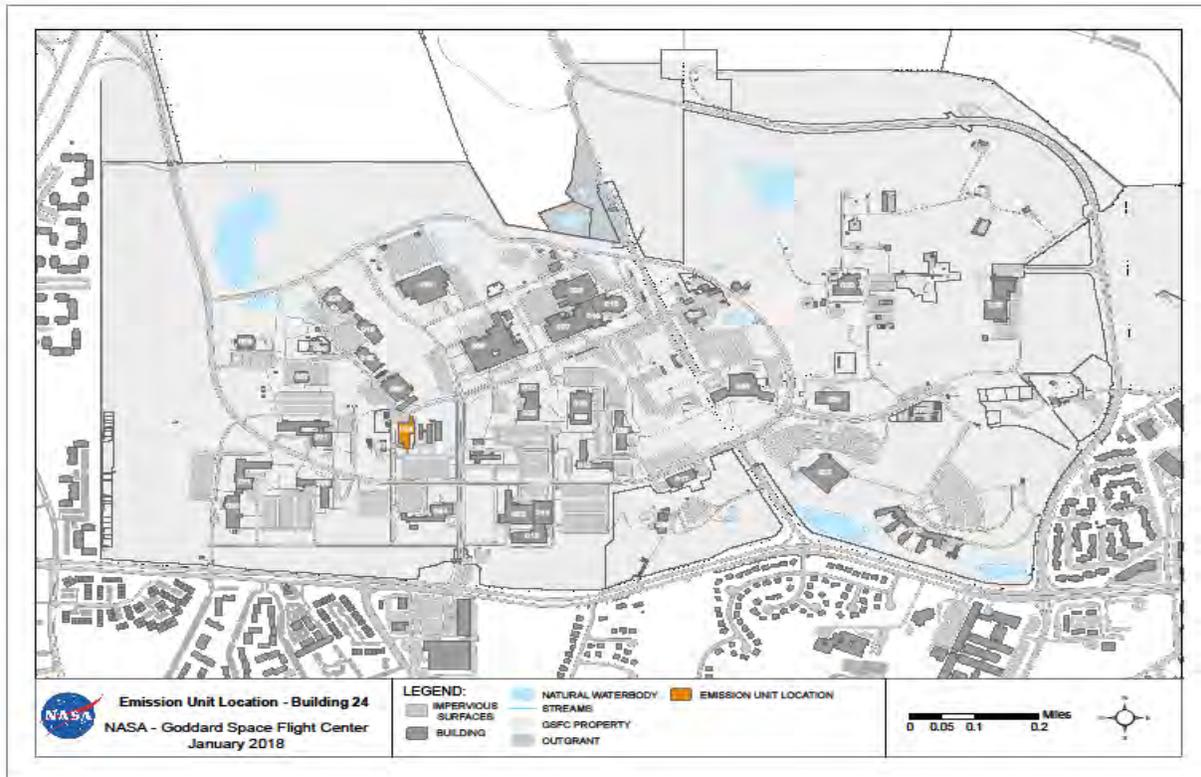
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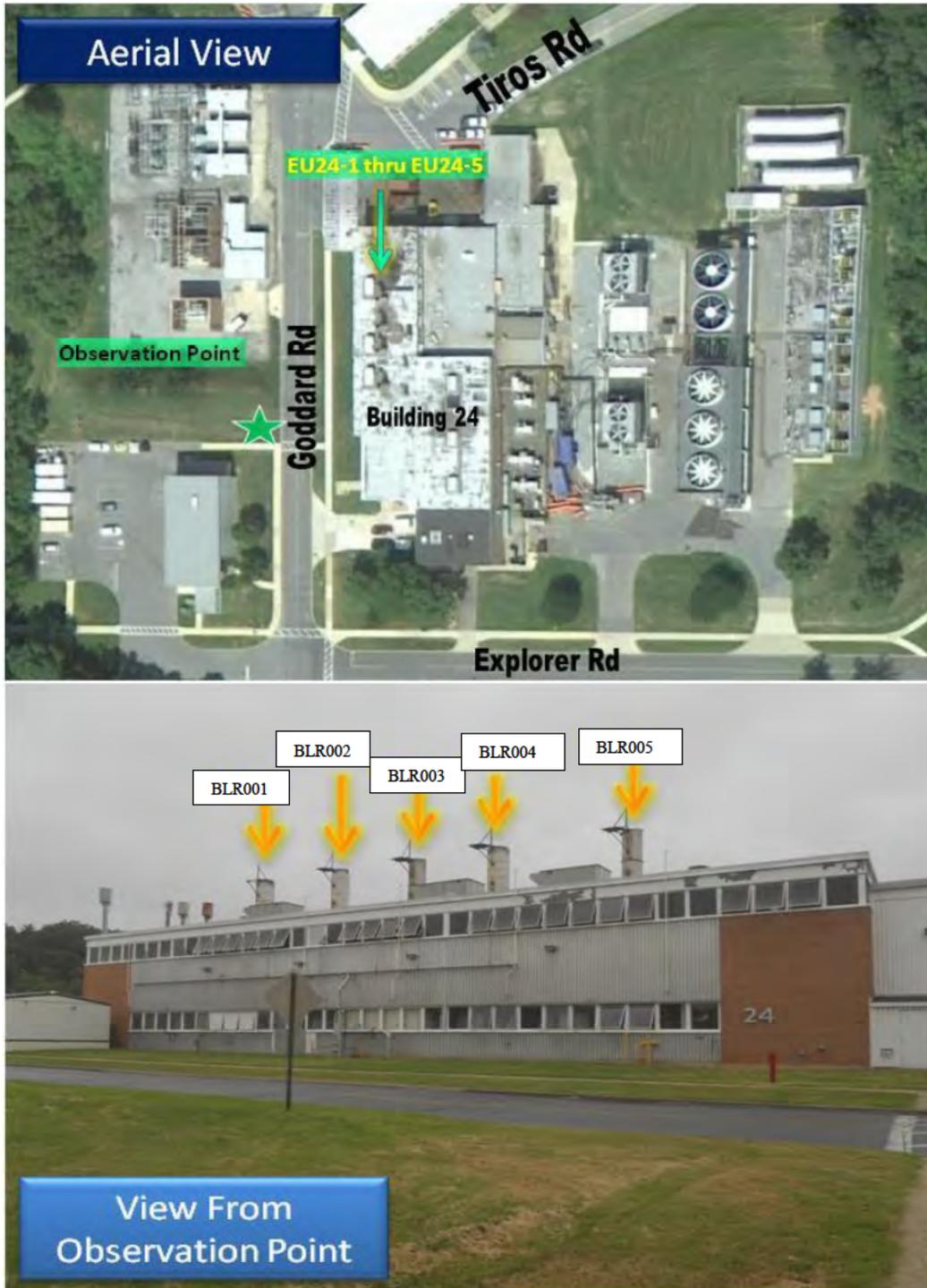
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Location	Building 24 – Central Power Plant Coordinates: 38°59'41.48"N 76°51'15.26"W Elevation: 168 feet	POC/ Extension	Central Power Plant, Code 227/ x6-8796
		Observation point	West of Building 24, on sidewalk northeast of Building 76. Observation location varies based on sun position.
EU Description	5- 49.5 million Btu per hour boilers	ID	024-BLR001 through 024-BLR005
		Asset Numbers	024-BLR001 through 024-BLR005



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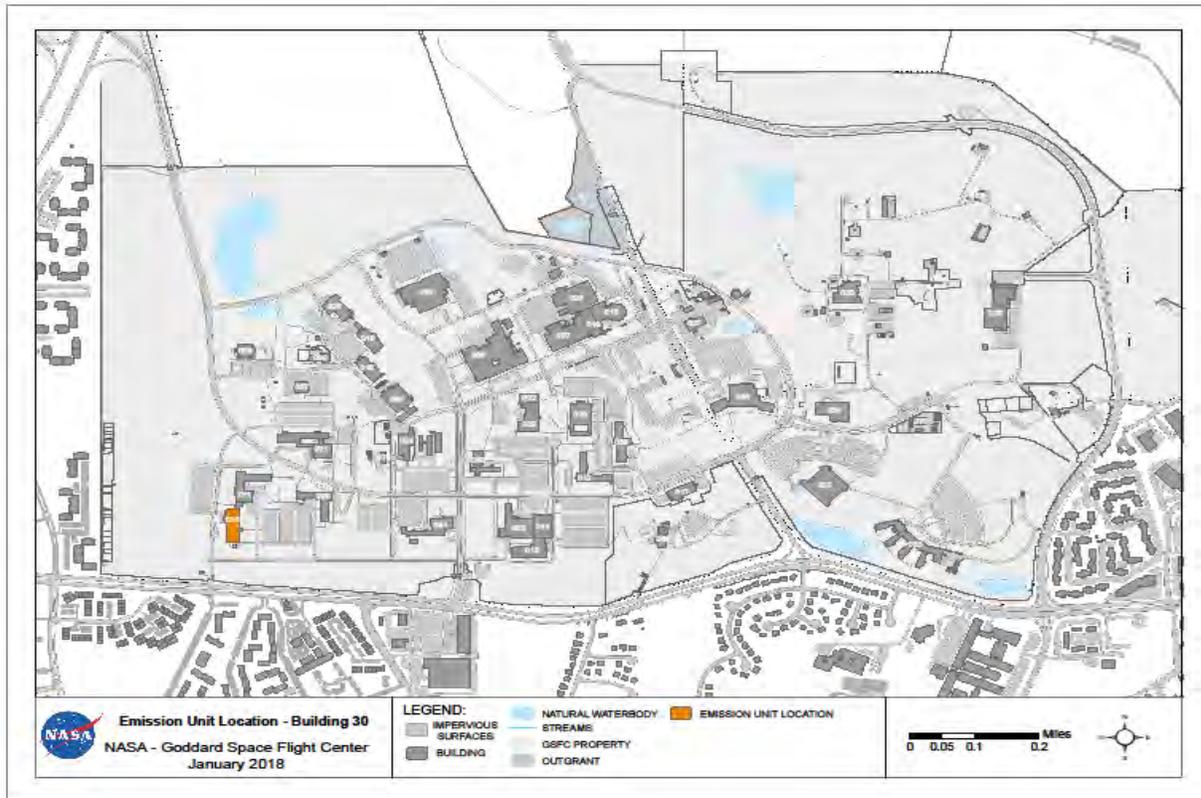
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Location	Building 30 Quality Assurance and Detector Development Laboratory	POC/ Extension	Safety Officer, Code 560/ x6-2444
	Coordinates: 38°59'36.23"N 76°51'32.77"W Elevation: 205 feet	Observation point	South end of the parking lot south of Building 11.
EU Description	Clean Room Semiconductor Development and Fabrication Chemical Operations with Scrubber	ID	EU30-1 thru EU30-8
		Asset Number	030-SCR001



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Appendix D - Visual Observation of Emissions Field Data Sheet Instruction Table

Use this Instruction Table to Complete the Visual Observation of Emissions Field Data Sheet.			
Date:	Date the visual observation will be performed.	Observer:	Name of person performing the visual observation.
Company:	Name of company that operates the EU.	Affiliation:	The affiliation of the Observer.
Sky Conditions:	Check box which indicates the sky conditions at the time of the inspection.	Wind Speed:	Speed of any prevalent wind at the time of the inspection.
Humidity:	The percentage of moisture in the air at the time of the inspection.	Wind Direction:	Compass direction of any prevalent wind at the time of the inspection.
EU ID(s):	The process unit that is being observed.	EU Description:	Description of the emissions unit being observed.
POC/ Ext.:	The individual who is responsible for the emissions unit being observed and their telephone extension.	Additional Instructions:	Any special circumstances pertaining to the emissions unit.
Time:	The 12-hour clock time (AM or PM) that the observation took place.	Observation Point:	The location where the observer shall position themselves in order to perform the inspection.
Duration:	The total length of time (minute:second) that the visual observation was performed.	Emissions?:	Whether or not there were visible emissions, any emissions no matter how short count as a yes.
Notes:	Notations about the inspection made by the observer.		

Appendix E - Visual Observation of Emissions Field Data Sheet

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Visual Observation of Emissions Field Data Sheet

Date: Observer:

Company: Affiliation:

Observation Conditions

Sky Bright Sun Clear
 Conditions: Partly cloudy Cloudy

Humidity: Wind Speed: mph

Wind Direction:

Observation Records

ID:	EU4-2		
Location:	Building 4 - Plant Operations	Description:	
POC/Ext.:	Surface Coating Operations Code 546/ x6-5738	Additional Instructions:	Verified that paint booth is on and in use during observation <input type="checkbox"/>
Time:	<input style="width: 100%; height: 20px;" type="text"/>	Observation Point:	Southeast corner of Building 4 (access through Building 4 Room 195A)
Duration: Must be at least one minute	<input style="width: 100%; height: 20px;" type="text"/>	Emissions?:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Notes:			

I verify that this visual observation has been completed in accordance with Directive No. [250-WI-8500.0.7C].

Sign

Date

Visual Observation of Emissions Field Data Sheet

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Date: Observer:

Company: Affiliation:

Observation Conditions

Sky Bright Sun Clear
 Conditions: Partly cloudy Cloudy

Wind Speed: mph

Humidity: Wind Direction:

Inspection Records

ID:	EU4-3	Description:	
Location:	Building 4 - Plant Operations		
POC/Ext.:	Surface Coating Operations Code 546/ x6-5738	Additional Instructions:	Verified that paint booth is on and in use during observation
Time:	<input type="text"/>	Observation Point:	Southeast corner of Building 4 (Access through Building 4 Room 195A)
Duration: Must be at least one minute	<input type="text"/>	Emissions?:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Notes:			

I verify that this visual observation has been completed in accordance with Directive No. [250-WI-8500.0.7C].

Sign

Date

Visual Observation of Emissions Field Data Sheet

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Date: Observer:

Company: Affiliation:

Observation Conditions

Sky Bright Sun Clear
 Conditions: Partly cloudy Cloudy

Humidity: Wind Speed: mph

Wind Direction:

Observation Records

ID:	EU5A-3	Description:	
Location:	Building 5A – Composite Materials Lab		
POC/Ext.:	Composite Materials Engineer, Code 547/ x6-0101	Additional Instructions:	Verified that paint booth is on and in use during observation <input type="checkbox"/>
Time:	<input type="text"/>	Observation Point:	Northeast corner of Building 5, near Minitrack Road
Duration: Must be at least one minute	<input type="text"/>	Emissions?:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Notes:	<input type="text"/>		

I verify that this visual observation has been completed in accordance with Directive No. [250-WI-8500.0.7C].

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Date

Visual Observation of Emissions Field Data Sheet

Date: Observer:

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Company: Affiliation:

Observation Conditions

Sky Conditions: Bright Sun Clear
 Partly cloudy Cloudy

Humidity: Wind Speed: mph

Wind Direction:

Observation Records

ID:	EU5-2, EU5-4, EU5-6	Description:	
Location:	Building 5 – Instrument Construction and Development Laboratory		
POC/Ext.:	Development Laboratory Technician, Code 540/ x6-6464	Additional Instructions:	None
Time:	<input type="text"/>	Observation Point:	Southeast corner of Building 5, near Minitrack Road
Duration: Must be at least one minute	<input type="text"/>	Emissions?:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Notes:	<input type="text"/>		

I verify that this visual observation has been completed in accordance with Directive No. [250-WI-8500.0.7C].

Sign

Date

Visual Observation of Emissions Field Data Sheet

Date:

Observer:

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CHANGE HISTORY LOG

Revision	Effective Date	Description of Changes
Baseline	6/27/2010	Initial Release
A	6/19/2012	<ul style="list-style-type: none"> • Section P.3 (item 5) <ul style="list-style-type: none"> ○ Removed “National Aeronautics and Space Administration. January 2010. Visual Observation of Emissions Form.” • Section P.5 <ul style="list-style-type: none"> ○ Removed “Stopwatch (accumulative type with unit divisions of at least 1 second).” • Section 1.0 <ul style="list-style-type: none"> ○ Added “Frequency” column to table ○ Added “Observation Time” column to table ○ Removed “ARMA Registration Number” column from table ○ Added “Asset Number” column to table ○ Added “EU24-1 thru EU24-5” row to table ○ Added “EU5A-3” row to table • Section 3.0 <ul style="list-style-type: none"> ○ Removed “The observer will also record the duration (emission time) of any visible emissions present during the observation.” • Section 5.1c. <ul style="list-style-type: none"> ○ Inserted “such as humidity, lighting issues,” • Section 5.3 <ul style="list-style-type: none"> ○ Removed “When the observation period is complete record the clock time on the field data sheet.” • Section 5.4 <ul style="list-style-type: none"> ○ Replaced “refer to NASA’s GSFC Title V Part 70 Operating Permit” with “immediately contact the Medical and Environmental Management Division” ○ Removed “If visible emissions are not observed, record zero on the field data sheet in the accumulated emission time section.” ○ Removed “If visual emissions are observed during the visual observation, record the duration of the observed visible emissions on the field data sheet.” ○ Removed “If visual emissions are observed refer to NASA’s GSFC Title V Part 70 Operating Permit for further action.” ○ Added “Indicate if any visible emissions were observed by checking the box for yes or no on the field data sheet in the ‘Emissions?’ ○ Added “If any visible emissions are observed (condensed water vapor is not considered an emission), immediately contact the Medical and Environmental Management Division.” ○ Added “Provide a copy to the Medical and Environmental Management Division within 5 business days”

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		<ul style="list-style-type: none"> • Appendix C <ul style="list-style-type: none"> ○ Removed “ARMA Registration Number” field from table ○ Added “ Building 5A- Composites Materials and Lab table and drawing” ○ Added “ Building 5A- Composites Materials and Lab- Aerial View and View From Observation Point photo” ○ Added “Building 24 – Central Power Plant table and Drawing” ○ Added “Building 24 – Central Power Plant Aerial View and View From Observation Point photo” • Appendix D <ul style="list-style-type: none"> ○ Removed table entry “End Time” ○ Changed table entry from “Start Time:” to “Time:” ○ Added “The 12-hour clock time (AM or PM) that the observation took place” next to “Time:.” • Appendix E <ul style="list-style-type: none"> ○ Changed the format of the “Visual Observation of Emissions Form” from a “.jpg” to “.doc. ○ Updated the “Visual Observation of Emissions Form” to include individual signature pages for each area. ○ Added a “Visual Observation of Emissions Form” for Building 5A- Composites Materials and Lab. ○ Added a “Visual Observation of Emissions Form” for Building 24 – Central Power Plant.
B	5/5/2016	<ul style="list-style-type: none"> • Section P.2 <ul style="list-style-type: none"> ○ Updated site information • Section P.3 <ul style="list-style-type: none"> ○ Rearranged references to follow an alphabetical order. ○ Updated Title V Part 70 permit date • Section P.4 <ul style="list-style-type: none"> ○ Change the cancellation Directive Number from 250-WI-8500.0.7 to 250-WI-8500.0.7A. • Section P.6 <ul style="list-style-type: none"> ○ Replaced “... may involve hazardous materials, operations, and equipment” with “...takes place in the outdoor environment.” ○ Replaced “This method ...” with “This visual observation of emissions method ...” ○ Replaced “Dress comfortably ...” with “Observers shall dress comfortably ...” • Section P.7 <ul style="list-style-type: none"> ○ Moved the Training section statement to the Procedure section. ○ Replaced “At a minimum, the observer should ...” with “The observer shall ...” ○ Add “None” to the Training section. • Section 1.0 <ul style="list-style-type: none"> ○ Replaced the permit date. ○ Added “of emissions” at the end of the paragraph. ○ Deleted EU4-1 from the table. • Section 2.0

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		<ul style="list-style-type: none"> ○ Replaced “This visual observation is to determined ...” with “This visual observation of emissions shall determine ...” ○ Replaced “... the determination of frequency of emissions or opacity levels.” With “... the determination of the frequency or opacity levels of emissions.” ● Section 4.0 <ul style="list-style-type: none"> ○ Replaced “Do not perform a visual observation when wind speeds exceed 30 mph.” with “A visual observation of emissions shall not be performed when wind speeds exceed 30 miles per hour.” ○ Replaced “Do not perform a visual observation on a rainy or foggy day. Do not perform a visual observation after sunset.” With “A visual observation of emissions shall not be performed on a rainy or foggy day or after sunset.” ○ Section 4 contents separated into individual statements. ● Section 5.0 <ul style="list-style-type: none"> ○ Added “of emissions” after “observation” in the first sentence. ○ Added “the” before “observation” in item (a) of Section 5.1 ○ Replaced “emission” with “emissions” in item (b) of Section 5.1. ○ Replace “emission unit process” with “emission unit/process” ○ Added “the” before “current” in item (c) of Section 5.1. ○ Added “of emissions” at the end of the sentence of item (c) of Section 5.1. ● Section 5.4 <ul style="list-style-type: none"> ○ Added acronym MEMD to item (b). ○ Replaced “the Medical and Environmental Management Division” with “MEMD” in item (d). ● Appendix A <ul style="list-style-type: none"> ○ Added “of emissions” at the end of item (A3) sentence. ○ Replaced “... which observations ...” with “... which the visual observations of emissions ...” in item (A4). ● Appendix B <ul style="list-style-type: none"> ○ Deleted acronyms ARMA and MDE. ● Appendix C <ul style="list-style-type: none"> ○ Deleted table and figures regarding emission unit EU4-1. ○ Changed definition of Observation Point of Building 24 from “Across the street west of building standing next to Bldg. 76” with “West of Building 24, on sidewalk northeast of Building 76”. ○ Changed definition of Observation Point of Building 30 from “Northeast corner of building adjacent to Bldg. 11” with “South end of the parking lot south of Building 11”. ● Appendix E <ul style="list-style-type: none"> ○ Deleted visual observation of emissions form concerning emission unit EU4-1. ○ Changed definition of Observation Point of Building 30 from “West side of Bldg. 24 on sidewalk in front of Bldg. 76” with “West of Building 24, on sidewalk northeast of Building 76”. ○ Changed definition of Observation Point of Building 30 from “Southeast corner of Bldg. 5 near Minitrack Road” with “South end of the parking lot south of Building 11”.
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		<ul style="list-style-type: none"> • Section P.6 <ul style="list-style-type: none"> ○ Deleted “and research regulatory limitations” from “It is the responsibility of the user of this procedure to establish appropriate safety and health practices and research regulatory limitations prior to performing this method”. • Whole Document <ul style="list-style-type: none"> ○ Replaced “Visual Observation of Emissions Form” with “Visual Observation of Emissions Field Data Sheet”.
C	4/16/2018	<ul style="list-style-type: none"> • Section P.3 <ul style="list-style-type: none"> ○ Deleted hyperlink for Method 22 reference. “http://www.epa.gov/ttn/emc/methods/method22.html”. • Section 1.0 <ul style="list-style-type: none"> ○ Replaced EU from EU ID(s) ○ Replaced “5A/ Composites” with “5A/ Composite Material Laboratory”. Removed EU from EU ID(s) ○ Replaced EU24-1 through EU24-5 to 024-BLR001 through 024-BLR005. • Section 5.1 <ul style="list-style-type: none"> ○ Added hyperlinks to AccuWeather.com and Weather.com. ○ Replace section number “a” with “5.1.5”. • Section 5.3 <ul style="list-style-type: none"> ○ Added, “Verify the unit is operating and mark the checkbox.” ○ Added, “For 024-BLR001 through 024-BLR005, mark the checkbox for the unit being observed.” • Appendix B <ul style="list-style-type: none"> ○ Added, “BLR Boiler”, “NRRS NASA Records Retention Schedule”, and “SCR Selective Catalytic Reduction” • Appendix C <ul style="list-style-type: none"> ○ Updated GFSC Maps ○ Replaced EU ID with ID • Replace “.. Development Lab” with “... Development Laboratory”. Replaced EU24-1 through EU24-5 with 024-BLR001 through 024-BLR005. Appendix D <ul style="list-style-type: none"> ○ Replaced EU ID with ID • Appendix E <ul style="list-style-type: none"> ○ Replaced word description with picture of stack ○ For EUs 4-2, 4-3, 5A-3, 024-BLR0001 through 024-BLR005, added “Verified that paint booth is on and in use during observation”, “Verified that the boiler is operating on oil during observation”, and checkbox. ○ Replaced EU24-1 through EU24-5 with 024-BLR001 through 024-BLR005. • Updated template.