ATTACHMENT E - Emission Unit Form

Emission Unit Description	Distillation apparatus	
Emission unit ID number: ACR001	**Emission unit name:** #1 Batch Still and Column	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch Distillation System - #1 Still - Part of Equipment Train - see ACR013 for Emissions		
Manufacturer: Matt Corcoran & Co.	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1930	**Installation Date:** 1936	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

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For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

0

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Distillation apparatus	
Emission unit ID number: **ACR002**	**Emission unit name:** #2 Batch Still and Column	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch Distillation System - #2 Still - Part of Equipment Train - see ACR014 for Emissions		
Manufacturer: Camden Copper Works	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1965	**Installation Date:** 1965	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. 0
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For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) 0
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Distillation apparatus	
Emission unit ID number: ACR003	**Emission unit name:** #3 Batch Still and Column	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch Distillation System - #3 Still - Part of Equipment Train - see ACR015 for Emissions		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1970	**Installation Date:** 1970	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

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For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

0

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Heat exchanger	
Emission unit ID number: **ACR004**	**Emission unit name:** #4 Batch Still and Column	**List any control devices associated with this emission unit:** None

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Batch Distillation System - #4 Still - Part of Equipment Train - see ACR016 for Emissions

Manufacturer: A.O. Smith	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1935/1973	**Installation Date:** 1935/1973	**Modification Date:** 0

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

REDACTED

Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes _X_No	**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. 0
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) 0
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Heat exchanger	
Emission unit ID number: **ACR005**	**Emission unit name:** #1 Product Condenser	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch Distillation System - #1 Still - Part of Equipment Train - see ACR013 for Emissions		
Manufacturer: Ward Tank & Heat Exchanger Corporation	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 0	**Installation Date:** 1936	**Modification Date:** Replaced 2013
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

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For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

0

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Heat exchanger	
Emission unit ID number: ACR006	**Emission unit name:** #2 Product Condenser	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch Distillation System - #2 Still - Part of Equipment Train - see ACR014 for Emissions		
Manufacturer: Camden Copper Works	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1965	**Installation Date:** 1965	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

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For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

0

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Heat exchanger	
Emission unit ID number: **ACR007**	**Emission unit name:** #3 Product Condenser	**List any control devices associated with this emission unit:** None

Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Batch Distillation System - #3 Still - Part of Equipment Train - see ACR015 for Emissions

Manufacturer: Southern Heat Exchanger Corporation	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 0	**Installation Date:** 1970	**Modification Date:** Replaced 2011

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

REDACTED

Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? ___Yes _X_No	**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:	**Type and Btu/hr rating of burners:**

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

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For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

0

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Heat exchanger	
Emission unit ID number: **ACR008**	**Emission unit name:** #4 Product Condenser	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch Distillation System - #4 Still - Part of Equipment Train - see ACR016 for Emissions		
Manufacturer: A.O. Smith	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1935/1973	**Installation Date:** 1935/1973	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

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For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

0

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Heat exchanger	
Emission unit ID number: ACR009	**Emission unit name:** #1 Vent Condenser	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch Distillation System - #1 Still - Part of Equipment Train - see ACR013 for Emissions		
Manufacturer: Ward Tank & Heat Exchanger Corporation	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 0	**Installation Date:** 1930	**Modification Date:** Replaced 2013
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

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For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

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Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Heat exchanger	
Emission unit ID number: **ACR010**	**Emission unit name:** #2 Vent Condenser	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch Distillation System - #2 Still - Part of Equipment Train - see ACR014 for Emissions		
Manufacturer: Camden Copper Works	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1965	**Installation Date:** 1965	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

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For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

0

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Heat exchanger	
Emission unit ID number: ACR011	**Emission unit name:** #3 Vent Condenser	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch Distillation System - #3 Still - Part of Equipment Train - see ACR015 for Emissions		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1970	**Installation Date:** 1970	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. 0
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) 0
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Heat exchanger	
Emission unit ID number: **ACR012**	**Emission unit name:** #4 Vent Condenser	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Batch Distillation System - #4 Still - Part of Equipment Train - see ACR016 for Emissions		
Manufacturer: A.O. Smith	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1935/1973	**Installation Date:** 1935/1973	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

0

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

0

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Vacuum equipment	
Emission unit ID number: **ACR013**	**Emission unit name:** #1 Vacuum Jets	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): #1 Vacuum Jets		
Manufacturer: Schutte Koerting	**Model Number:** .	**Serial Number:** .
Construction Date: 1936	**Installation Date:** 1936	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	1.2	0.4
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methanol	0.75	0.25
Methyl Methacrylate	0.35	0.11
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emission Master & Engineering Estimate

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. 40CFR63.2525(e)(3)
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) Record the daily rolling annual sum of batches for each still
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Vacuum equipment	
Emission unit ID number: **ACR014**	**Emission unit name:** #2 Vacuum Jets	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): #2 Vacuum Jets		
Manufacturer: Schutte Koerting	**Model Number:** .	**Serial Number:** .
Construction Date: 1965	**Installation Date:** 1965	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	1.4	0.45
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methanol	0.5	0.15
Methyl Methacrylate	0.075	0.025
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emission Master & Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

40CFR63.2525(e)(3)

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Record the daily rolling annual sum of batches for each still

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Vacuum equipment	
Emission unit ID number: ACR015	**Emission unit name:** #3 Vacuum Jets	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): #3 Vacuum Jets		
Manufacturer: Schutte Koerting	**Model Number:** .	**Serial Number:** .
Construction Date: 1970	**Installation Date:** 1970	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	2.5	0.8
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methanol	1.5	0.5
Methyl Methacrylate	0.45	0.15
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emission Master & Engineering Estimate

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. 40CFR63.2525(e)(3)
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) Record the daily rolling annual sum of batches for each still
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Vacuum equipment	
Emission unit ID number: **ACR016**	**Emission unit name:** #4 Vacuum Jets	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): #4 Vacuum Jets		
Manufacturer: Croll Reynolds	**Model Number:** .	**Serial Number:** .
Construction Date: 1935/1973	**Installation Date:** 1935/1973	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	2.5	0.85
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methanol	2	0.6
Methyl Methacrylate	0.04	0.012
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emission Master & Engineering Estimate

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

40CFR63.2525(e)(3)

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Record the daily rolling annual sum of batches for each still

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR017**	**Emission unit name:** v in Paraflex oil service - does not meet	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Oil storage tank - insignificant emissions		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1942	**Installation Date:** 1942	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		
Describe each fuel expected to be used during the term of the permit.		

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0	0
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).
Insignificant emissions

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. None
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) None
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: ACR019	**Emission unit name:** No. 346 Tank (n-Butylmethacrylate)	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): NBMA Product Storage Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1936	**Installation Date:** 1936	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		
Describe each fuel expected to be used during the term of the permit.		

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.4	0.157
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).
Tanks 4.0.9d

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. None
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) None
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR020**	**Emission unit name:** No. 1B Tank (n-Butylmethacrylate)	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): NBMA Product Storage Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1933	**Installation Date:** 1933	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.5	0.345
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).
Tanks 4.0.9d

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. None
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) None
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR022**	**Emission unit name:** No. 14 Tank (Ethylmethacrylate)	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): EMA Product Storage Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1936	**Installation Date:** 1936	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.5	0.3
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0.9d

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. None
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) None
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR023**	**Emission unit name:** No. 350 Tank (Ethylmethacrylate)	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): EMA Product Storage Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1936	**Installation Date:** 1936	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.5	0.3
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).
Tanks 4.0.9d

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. None
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) None
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR029**	**Emission unit name:** W Tank(iso-Butylmethacrylate)	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): IBMA Product Storage Tank		
Manufacturer: Capital City Iron Works	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1970	**Installation Date:** 1970	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.5	0.176
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).
Tanks 4.0.9d

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

None

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

None

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR030**	**Emission unit name:** No. 88A Tank (2-Ethylhexylmethacrylate	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): EHMA Product Storage Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1965	**Installation Date:** 1965	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		
Describe each fuel expected to be used during the term of the permit.		

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.05	0.0005
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).
Tanks 4.0.9d

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. None
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) None
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR031**	**Emission unit name:** o. 88C Tank (2-Ethylhexylmethacrylat	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): EHMA Product Storage Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1965	**Installation Date:** 1965	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.05	0.0005
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).
Tanks 4.0.9d

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. None
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) None
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR032**	**Emission unit name:** Io. 138 Tank (2-Ethylhexylmethacrylat	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): EHMA Product Storage Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1936	**Installation Date:** 1936	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.1	0.001
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).
Tanks 4.0.9d

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. None
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) None
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: ACR034	**Emission unit name:** A1 Tank (iso-Butylmethacrylate Interm	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): IBMA Intermediates Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1940	**Installation Date:** 1940	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.25	0.165
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methanol	0.15	0.063
Methyl Methacrylate	0.15	0.0905
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0.9d

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. None
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) 0
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: ACR035	**Emission unit name:** 7B1 Tank (n-Butylmethacrylate Interme	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): NBMA Intermediates Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1940	**Installation Date:** 1940	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		
Describe each fuel expected to be used during the term of the permit.		

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.2	0.325
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methanol	0.2	0.15
Methyl Methacrylate	0.2	0.16
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0.9d

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

None

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

0

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR036**	**Emission unit name:** 42 Tank (Ethylmethacrylate Intermed	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): EMA Intermediates Tank		
Manufacturer: 0	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1965	**Installation Date:** 1965	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	1	0.26
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methanol	0.1	0.08
Methyl Methacrylate	0.09	0.06
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0.9d

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

None

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

0

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR037**	**Emission unit name:** Tank (2-Ethylhexylmethacrylate Inter	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): EHMA Intermediates Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1965	**Installation Date:** 1965	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	1	0.24
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methanol	0.06	0.06
Methyl Methacrylate	0.2	0.2
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).
Tanks 4.0.9d

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

None

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

0

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR038**	**Emission unit name:** No. 101E Tank (Foreshots)	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Foreshots Storage Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1937	**Installation Date:** 1937	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	2	0.525
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methanol	1	0.455
Methyl Methacrylate	0.2	0.07
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0.9d

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. None
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) 0
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: ACR039	**Emission unit name:** No. 101W Tank (Foreshots)	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Foreshots Storage Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1937	**Installation Date:** 1937	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		
Describe each fuel expected to be used during the term of the permit.		

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	2	0.525
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methanol	1	0.455
Methyl Methacrylate	0.2	0.07
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).
Tanks 4.0.9d

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or <u>construction permit</u> with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. None
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) 0
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage Tank	
Emission unit ID number: **ACR040A**	**Emission unit name:** No. 3A Tank (Foreshots)	**List any control devices associated with this emission unit:** ACRCD2
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Foreshots Storage Tank		
Manufacturer: Graver Tank & Mfg	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1956	**Installation Date:** 1956	**Modification Date:** 2008
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.2	0.1
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methanol	1	0.08
Methyl Methacrylate	0.25	0.02
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).
tanks 4.0.9d

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

45CSR13, R13-1002D, 4.1.1&4.1.2, 45CSR13, R13-1628, A.1, CO-R21-97-31, III.1, CO-R21-97-31, III.2, 40CFR60.116b(a)&(b)&(c), 45CSR16, 40CFR60.662 (c), 40cfr60.664(f), 40CFR60.113b(a)(1)&(2)&(3)& (4), 40CFR60.665(h), 40CFR60.115b(2), 40CFR60.665(a), 40CFR60.665(l)(7), 40CFR60.115b(a)(3)&(4)

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Annual and 10-year inspections, compliance with the following emission limits shall be demonstrative by test or monitoring data, approved emission factors, material balances, and/or representative calculations in accordance with 45CSR21: VOCs 0.19lb/hr 0.505tons/yr. Keep records of dimensions and analysis showing the capacity for life of storage vessel. Keep records of the VOL stored, the period of storage and the maximum true vapor pressure of the VOL during the respective storage period for 2 years. Calculate the TRE and keep it above 1 without use of VOC emission control device. See 5.2.5 for formula. Tank must be inspected every 5 years. Keep records of changes to production capacity, feedstock type, catalyst type, replacement, removal, or addition of recovery equipment or a distallation unit. Any recalculation of the TRE index and results of any performance tests. Maintain daily and monthly records of throughput of the MMA refining unit and shall include rolling 12-month total throughput. Keep records of inspections with the vessel ID, date and observed condition of each component of the control equipment. Must recalculate the TRE if there is a process change. If the TRE goes below 1, must notify Director of DAQ within 1 week and shall conduct performance tests to determine compliance with 180days. If the initial TRE is is greater than 8 and the recalculated is less than or = 8 but greater than 1, a performance test must be done. Notify Administrator within 90 days if use an alternative to 40CFR60.662 and a performance test must be completed within 180 days. If comply with requirements of Subpart NNN by complying with 40CFR60.660(c)(4), (5) or (6) or condition 5.1.4 shall submit to the administrator semiannual reports of any recalculation of the TRE index. If any condition is 5.3.1.(2) are detected during annual inpsection, a report must be sent to the administrator within 30 days

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: ACR041	**Emission unit name:** No. 67B2 Tank (ethyl alcohol)	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ethanol Storage Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1940	**Installation Date:** 1940	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		
Describe each fuel expected to be used during the term of the permit.		

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	8	0.1205
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0.9d

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

None

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

None

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: ACR044	**Emission unit name:** S Tank (n-Butanol)	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): n-Butanol Storage Tank		
Manufacturer: Buffalo Tank Corp.	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1947	**Installation Date:** 1947	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		
Describe each fuel expected to be used during the term of the permit.		

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.2	0.088
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0.9d

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

None

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

None

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR045**	**Emission unit name:** U Tank (isoButanol)	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Isobutanol Storage Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1939	**Installation Date:** 1939	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.8	0.1075
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0.9d

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

None

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

None

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR046**	**Emission unit name:** V Tank (2-Ethylhexanol)	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): 2-EthylHexanol Storage Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1940	**Installation Date:** 1940	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.1	0.001
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0.9d

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

None

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

None

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: ACR047	**Emission unit name:** No. 100 Tank (MeHq/PTZ Inhibitor)	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): MMA Inhibitor Storage Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1939	**Installation Date:** 1939	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		
Describe each fuel expected to be used during the term of the permit.		

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.5	0.0525
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methyl Methacrylate	0.5	0.0525
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0.9d

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

None

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

0

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: ACR048	**Emission unit name:** ervice; plan to place acetone into 67B2 t	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Acetone Storage Tank		
Manufacturer: Unknown	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 1940	**Installation Date:** 1940	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	8	0.7
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4.0.9d

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

None

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

None

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR128**	**Emission unit name:** 54 Tank	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): NBMA Product Storage Tank		
Manufacturer: RECO Construction	**Model Number:** N/A	**Serial Number:** N/A
Construction Date: 0	**Installation Date:** Rebuilt 2013	**Modification Date:** 0
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.5	0.1935
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None
None	None	None
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
None	None	None
None	None	None

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).
Tanks 4.0.9d

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

None

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

None

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR201**	**Emission unit name:** 42A Tank	**List any control devices associated with this emission unit:** ACRCD1
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Methyl Methacrylate Storage Tank		
Manufacturer: Industrial Alloy Fabricators	**Model Number:** None	**Serial Number:** None
Construction Date: 1993	**Installation Date:** 1993	**Modification Date:** N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		
Describe each fuel expected to be used during the term of the permit.		

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.19	0.505
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methyl Methacrylate	0.19	0.505
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4 Program

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

45CSR13, R13-1002D, 4.1.1&4.1.2, 45CSR13, R13-1628, A.1, CO-R21-97-31, III.1, CO-R21-97-31, III.2, 40CFR60.116b(a)&(b)&(c), 45CSR16, 40CFR60.662 (c), , , 40CFR60.115b(2), 40CFR60.665(a), 40CFR60.665(l)(7), 40CFR60.115b(a)(3)&(4)4, 0CFR60.113b(a)(1)&(2)&(3)& (4)

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Annual and 10-year inspections, compliance with the following emission limits shall be demonstrative by test or monitoring data, approved emission factors, material balances, and/or representative calculations in accordance with 45CSR21: VOCs 0.19lb/hr 0.505tons/yr.

Keep records of dimensions and analysis showing the capacity for life of storage vessel.

Keep records of the VOL stored, the period of storage and the maximum true vapor pressure of the VOL during the respective storage period for 2 years.

Tank must be inspected every 5 years.

Maintain daily and monthly records of throughput of the MMA refining unit and shall include rolling 12-month total throughput.

Keep records of inspections with the vessel ID, date and observed condition of each component of the control equipment.

If any condition is 5.3.1.(2) are detected during annual inpsection, a report must be sent to the administrator within 30 days of inspection. Each report shall: identify the storage vessel, nature of defects, date of storage vessel was emptied or nature of and date the repair was made.

If inspection finds holes or tears in seal or seal fabric, or defects in floating roof, a report shall be furnished to administrator within 30 days of inspection. Report shall contain: identify storage vessel, reason it did not meet 40CFR61.112b(a)(1) or condition 5.3.1.(3) and list each repair made.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR202**	**Emission unit name:** 48-2 Tank	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Methyl Methacrylate Storage Tank		
Manufacturer: Unknown	**Model Number:** None	**Serial Number:** None
Construction Date: 1936	**Installation Date:** 1936	**Modification Date:** N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	1	0.43
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methyl Methacrylate	1	0.43
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).
Tanks 4 Program

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

45CSR13, R13-1002D, 4.1.1&4.1.2

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Maintain daily and monthly records of throughput of the MMA refining unit and shall include rolling 12-month total throughput.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: ACR203	**Emission unit name:** 372 Tank	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Methyl Methacrylate Storage Tank		
Manufacturer: Unknown	**Model Number:** None	**Serial Number:** None
Construction Date: 1942	**Installation Date:** 1942	**Modification Date:** N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	2	0.02
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methyl Methacrylate	2	0.02
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Tanks 4 Program

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

45CSR13, R13-1002D, 4.1.1&4.1.2

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Maintain daily and monthly records of throughput of the MMA refining unit and shall include rolling 12-month total throughput.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Distillation apparatus	
Emission unit ID number: ACR204	**Emission unit name:** MMA Stripper	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Vacuum distillation column for purification of methyl methacrylate		
Manufacturer: Vulcan Copper & Supply	**Model Number:** None	**Serial Number:** 2733
Construction Date: 1943	**Installation Date:** 1943	**Modification Date:** N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		
Describe each fuel expected to be used during the term of the permit.		

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.089	0.36
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methyl Methacrylate	0.089	0.36
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Stack Test

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

45CSR13, R13-1002D, 4.1.1&4.1.2, 40CSR16, 40CFR60.664(f)&(g) 40CFR60.665(a),(h)&(l)(7)

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Maintain daily and monthly records of throughput of the MMA refining unit and shall include rolling 12-month total throughput. Calculate the TRE and keep it above 1 without use of VOC emission control device. See 5.2.5 for formula. Keep records of changes to production capacity, feedstock type, catalyst type, replacement, removal, or addition of recovery equipment or a distallation unit. Any recalculation of the TRE index and results of any performance tests. Must recalculate the TRE if there is a process change. If the TRE goes below 1, must notify Director of DAQ within 1 week and shall conduct performance tests to determine compliance with 180days. If the initial TRE is is greater than 8 and the recalculated is less than or = 8 but greater than 1, a performance test must be done. Notify Administrator within 90 days if use an alternative to 40CFR60.662 and a performance test must be completed within 180 days. If comply with requirements of Subpart NNN by complying with 40CFR60.660(c)(4), (5) or (6) or condition 5.1.4 shall submit to the administrator semiannual reports of any recalculation of the TRE index.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Jacketed pipe	
Emission unit ID number: **ACR205**	**Emission unit name:** MMA Stripper Purge Cooler	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cooler for purge from bottom of MMA stripper		
Manufacturer: Dupont	**Model Number:** None	**Serial Number:** None
Construction Date: 1989	**Installation Date:** 1989	**Modification Date:** N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		
Describe each fuel expected to be used during the term of the permit.		

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	See ACR208/9	See ACR208/9
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
See ACR208/9	See ACR208/9	See ACR208/9
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

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____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

0

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Heat exchanger	
Emission unit ID number: **ACR206**	**Emission unit name:** MMA Stripper Condensers	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Heat exchangers used to condense distilled MMA from stripper.		
Manufacturer: Alco Products & Andale Co.	**Model Number:** None	**Serial Number:** None
Construction Date: 1940	**Installation Date:** 1940	**Modification Date:** N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	See ACR204	See ACR204
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
See ACR204	See ACR204	See ACR204
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

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____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

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Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Vacuum system	
Emission unit ID number: **ACR207**	**Emission unit name:** MMA Stripper Vacuum System	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Steam jet and condenser used to produce vacuum for MMA distillation.		
Manufacturer: Croll Reynolds	**Model Number:** 0	**Serial Number:** None
Construction Date: 1989	**Installation Date:** 1989	**Modification Date:** N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	N/A	N/A
Nitrogen Oxides (NO_X)	N/A	N/A
Lead (Pb)	N/A	N/A
Particulate Matter ($PM_{2.5}$)	N/A	N/A
Particulate Matter (PM_{10})	N/A	N/A
Total Particulate Matter (TSP)	N/A	N/A
Sulfur Dioxide (SO_2)	N/A	N/A
Volatile Organic Compounds (VOC)	See ACR204	See ACR204
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
See ACR204	See ACR204	See ACR204
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. 0
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) 0
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Storage tank	
Emission unit ID number: **ACR208**	**Emission unit name:** 1 Tank	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Methyl Methacrylate Storage Tank		
Manufacturer: Pittsburgh Des Moines Steel	**Model Number:** None	**Serial Number:** None
Construction Date: 1962	**Installation Date:** 1962	**Modification Date:** N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0.38	1.67
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methyl Methacrylate	0.38	1.67
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).
Tanks 4.0.9d

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

45CSR13, R13-1002D, 4.1.1&4.1.2

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Maintain daily and monthly records of throughput of the MMA refining unit and shall include rolling 12-month total throughput.

Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No

If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**

ATTACHMENT E - Emission Unit Form

Emission Unit Description	Loading rack	
Emission unit ID number: **ACR210**	**Emission unit name:** MMA Truck Loading Rack	**List any control devices associated with this emission unit:** None
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Piping system used to load MMA into shipping containers		
Manufacturer: Dupont	**Model Number:** None	**Serial Number:** None
Construction Date: N/A	**Installation Date:** N/A	**Modification Date:** N/A
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): REDACTED		
Maximum Hourly Throughput: REDACTED	**Maximum Annual Throughput:** REDACTED	**Maximum Operating Schedule:** 168 hrs/week
Fuel Usage Data **(fill out all applicable fields)**		
Does this emission unit combust fuel? ___Yes _X_No		**If yes, is it?** ___Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating:		**Type and Btu/hr rating of burners:**
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.		

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0	0
Nitrogen Oxides (NO_X)	0	0
Lead (Pb)	0	0
Particulate Matter ($PM_{2.5}$)	0	0
Particulate Matter (PM_{10})	0	0
Total Particulate Matter (TSP)	0	0
Sulfur Dioxide (SO_2)	0	0
Volatile Organic Compounds (VOC)	0	2.74
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Methyl Methacrylate	0	2.74
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).
AIR Program

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. 45CSR13, R13-1002D, 4.1.1&4.1.2
____ Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) Maintain daily and monthly records of throughput of the MMA refining unit and shall include rolling 12-month total throughput.
Are you in compliance with all applicable requirements for this emission unit? _X_Yes __No If no, complete the **Schedule of Compliance Form as ATTACHMENT F.**