ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
20EX	Condensate receiver tank	None-Vents via 20DE

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
TANK, VERTICAL, CYLINDRICAL, 304 SS

Manufacturer:	**Model number:**	**Serial number:**
SISTERSVILLE TANK	--	--
Construction date:	**Installation:**	**Modification date(s):**
---	April 1986	---

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	---	---
Particulate Matter (PM_{10})	---	---
Total Particulate Matter (TSP)	---	---
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	0.86	varies
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	0.22	varies
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

4. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

4. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
20FX	Hot Well & Vacuum Jet	None-Vents via 20DE

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Hot Well (1-20HW1) / VACUUM JET (3-19VJ1)

Manufacturer:	**Model number:**	**Serial number:**
HEMMINGER CO.	---	---
Construction date:	**Installation:**	**Modification date(s):**
---	March 1975	--

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	---	---
Particulate Matter (PM_{10})	---	---
Total Particulate Matter (TSP)	---	---
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	---	---
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	---	---
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

4. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

4. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number: 20KX	**Emission unit name:** Industrial hygiene hood over Centrifuge Tank (2-19K1); Centrifuge Feed Tank; Drumming Tank	**List any control devices associated with this emission unit:** 20KC-Vents via 21DE and 24NE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Vertical Vessel, 2000 gals, Inconel 600, Design Pressure 100psi		
Manufacturer: BRIGHTON CORPORATION	**Model number:** NB 672	**Serial number:** SN A65
Construction date: ---	**Installation:** January 1965	**Modification date(s):** ---
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 2,000 GALS		
Maximum Hourly Throughput: VARIES	**Maximum Annual Throughput:** VARIES	**Maximum Operating Schedule:** 8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable
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. Not Applicable	

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	<0.01	varies
Particulate Matter (PM_{10})	<0.01	varies
Total Particulate Matter (TSP)	<0.01	varies
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	11.50	varies
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	11.50	varies
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Operational Limits (Control Devices) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.2, 4.1.5, 4.1.6, Appendix A; R13-2156U: 4.1.2, 4.1.7, 4.1.8, Appendix A; 45CSR§13-5.11.

4. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

5. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

6. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Operational Limits (Control Devices) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.3, 4.4.1, 4.4.2; R13-2156U: 4.2.3, 4.4.2, 4.4.3.

4. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

5. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

6. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
20PX	TANK, 1-20T1	None

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Vertical Vessel,150 gals, 304ss, Design Pressure 100psi to -15psi

Manufacturer:	**Model number:**	**Serial number:**
VALLEY STEEL COMPANY	NB 59	88-0311
Construction date:	**Installation:**	**Modification date(s):**
---	June 1988	---

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	---	---
Particulate Matter (PM_{10})	---	---
Total Particulate Matter (TSP)	---	---
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	---	---
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	---	---
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

4. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

4. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
21DX	Strip Kettle (2-20K1)	None-Vents via 21DE

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Reactor 2-20K1, Vertical Vessel, INCONNEL 600, Design Pressure 100psi to -15psi

Manufacturer:	**Model number:**	**Serial number:**
FOURINOX	NB 1867	2408
Construction date:	**Installation:**	**Modification date(s):**
2003	NOVEMBER 2003	--

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
3,000 GALS

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	0.20	varies
Particulate Matter (PM_{10})	0.20	varies
Total Particulate Matter (TSP)	0.37	varies
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	11.65	varies
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	8.99	varies
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

4. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

4. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
22CX	Condensate Receiver	None- Vents via 22DE and 22CE

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Vertical Vessel, Carbon Steel, Design Pressure 15psi

Manufacturer:	**Model number:**	**Serial number:**
SISTERSVILLE TANK WORKS	NB 3193	93-212
Construction date:	**Installation:**	**Modification date(s):**
---	1993	--

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	---	---
Particulate Matter (PM_{10})	---	---
Total Particulate Matter (TSP)	---	---
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	0.2	varies
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	0.2	varies
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

4. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

4. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
22KX	Splitter Bowl	None – Vents via 20BE

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Overheads Decanter, Reactor 2-20K1, Vertical Vessel, 304ss, Design Pressure 100psi to -15psi

Manufacturer:	**Model number:**	**Serial number:**
Sistersville Tank	NB 3975	10-253
Construction date:	**Installation date:**	**Modification date(s):**
2010	September 2010	---

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	NA	NA
Particulate Matter (PM_{10})	NA	NA
Total Particulate Matter (TSP)	NA	NA
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	NA	NA
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	NA	NA
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

4. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

4. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
24BX	Methanol Tank; Wash Tank	None- Vents via 24BE

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Vertical Tank, 62.8 CU FT, 304ss, Design Pressure 0 psig

Manufacturer:	**Model number:**	**Serial number:**
SISTERSVILLE TANK WORKS	---	69-140
Construction date:	**Installation:**	**Modification date(s):**
---	July 1969	--

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	---	---
Particulate Matter (PM_{10})	---	---
Total Particulate Matter (TSP)	---	---
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	1.28	varies
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	1.28	varies
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

4. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

4. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
24JX	Reactor (24QX) to Condenser (3-25CD1) to Splitter Bowl	None-Vents via 24GE

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Splitter Bowl - CMU Reactor 24K2, TANK, 2-24T1

Manufacturer:	**Model number:**	**Serial number:**
POWER MAINTENANCE, INC.	---	NOL#69-216
Construction date:	**Installation:**	**Modification date(s):**
---	August 2002	--

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
1,800 GALS

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	---	---
Particulate Matter (PM_{10})	---	---
Total Particulate Matter (TSP)	---	---
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	0.16	varies
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	0.12	varies
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

4. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

4. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
24MX	Industrial hygiene hood over UV-1164 Reactor (2-24K2), Strip Kettle (2-24K1), Sparkler Filter (3-25SF1), and Drumming Station (DRUM)	None-Vents via 24NE and 24FE

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Centrifuge Feed Reactor, 2ND FLOOR, BAY Vertical Vessel, Glass Lined, Design Pressure 100psi to -15psi

Manufacturer:	**Model number:**	**Serial number:**
DEDIETRICH (USA) INC	NB 2980	32263
Construction date:	**Installation:**	**Modification date(s):**
---	May 1989	--

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
2,000 GALS

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	0.11	varies
Particulate Matter (PM_{10})	0.11	varies
Total Particulate Matter (TSP)	0.22	varies
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	35.98	varies
Hazardous Air Pollutants	**Potential Emissions (After Control)**	
	PPB (lb/batch)	TPY
THAP	35.98	varies
Regulated Pollutants other than Criteria and HAP	**Potential Emissions (After Control)**	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

4. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

4. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number: 24NX	**Emission unit name:** Condensate Receiver from Condenser (3-25CD2) with vacuum jet (LR-24VJ1)(24PX)	**List any control devices associated with this emission unit:** None-Vents via 24ME and 24PE
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Overheads Receiver, Vessel, 316ss, Design Pressure 100psi to -15psi		
Manufacturer: SISTERSVILLE TANK WORKS	**Model number:** NB 3752	**Serial number:** 03-127 B
Construction date: ---	**Installation:** March 2003	**Modification date(s):** --
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1,000 GALS		
Maximum Hourly Throughput: VARIES	**Maximum Annual Throughput:** VARIES	**Maximum Operating Schedule:** 8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	---	---
Particulate Matter (PM_{10})	---	---
Total Particulate Matter (TSP)	---	---
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	1.52	varies
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	1.52	varies
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

4. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

4. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
24PX	Vacuum Jets & Hot Well	None-Vents via 24PE

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
VACUUM JET ,RF-24VJ1

Manufacturer:	**Model number:**	**Serial number:**
SCHUTTE & KOERTING	T-2C, S-3C	C124215
Construction date:	**Installation:**	**Modification date(s):**
---	July 1998	--

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	---	---
Particulate Matter (PM_{10})	---	---
Total Particulate Matter (TSP)	---	---
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	---	---
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	---	---
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

4. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

4. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
24QX	Industrial hygiene hood on Reactor (2-24K2), Strip Kettle (2-24K1), Sparkler Filter (3-25SF1), and Drumming Station ; Reactor	None-Vents via 24FE and 24QE

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Reactor 2-24K2, Vertical Vessel, Glass Lined, Design Pressure 100psi to -15psi

Manufacturer:	**Model number:**	**Serial number:**
DEDIETRICH (USA) INC	NB 1273	2408
Construction date:	**Installation:**	**Modification date(s):**
---	May 2005	--

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
2,000 GALS

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	0.07	varies
Particulate Matter (PM_{10})	0.07	varies
Total Particulate Matter (TSP)	0.14	varies
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	61.84	varies
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	60.74	varies
Formaldehyde	0.076	varies
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Operational Limits (Control Devices) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.2, 4.1.5, 4.1.6, Appendix A; R13-2156U: 4.1.2, 4.1.7, 4.1.8, Appendix A; 45CSR§13-5.11.

4. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

5. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

6. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Operational Limits (Control Devices) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.3, 4.4.1, 4.4.2; R13-2156U: 4.2.3, 4.4.2, 4.4.3.

4. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

5. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

6. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
24RX	Condensate Receiver from Condenser (3-25CD1)	None-Vents via 24RE

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Condensate Receiver, Vertical Vessel, 316ss, Design Pressure 100psi to -15psi

Manufacturer:	**Model number:**	**Serial number:**
SISTERSVILLE TANK WORKS	NB 3751	03-127 A
Construction date:	**Installation:**	**Modification date(s):**
---	March 2003	--

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
1,000 GALS

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	---	---
Particulate Matter (PM_{10})	---	---
Total Particulate Matter (TSP)	---	---
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	0.38	varies
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	0.38	varies
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.
2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.
3. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.
4. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).
5. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__Yes__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.
2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.
3. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.
4. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).
5. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
24TX	Product drumming station (1-24D1)	None – Vents via 24FE

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

Industrial hygiene pickup associated with packing finished liquid products in containers.

Manufacturer:	**Model number:**	**Serial number:**
VARIES	VARIES	VARIES
Construction date:	**Installation date:**	**Modification date(s):**
---	VARIES	---

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	<0.01	varies
Particulate Matter (PM_{10})	<0.01	varies
Total Particulate Matter (TSP)	<0.01	varies
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	0.04	varies
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	0.04	varies
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

4. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

4. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
25CX	Centrifuge	None-Vents via 25AE

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Dryer, Fluid Bed, Fitzpatrick MN FA-500

Manufacturer:	**Model number:**	**Serial number:**
FITZPATRICK COMPANY	FA-500	FA 509
Construction date:	**Installation:**	**Modification date(s):**
---	MAY 1969	--

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
34 LB/CU FT MAX CAP 950 LB

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	<0.01	varies
Particulate Matter (PM_{10})	<0.01	varies
Total Particulate Matter (TSP)	<0.01	varies
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	21.46	varies
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	21.46	varies
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Operational Limits (Control Devices) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.2, 4.1.5, 4.1.6, Appendix A; R13-2156U: 4.1.2, 4.1.7, 4.1.8, Appendix A; 45CSR§13-5.11.

4. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

5. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

6. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Operational Limits (Control Devices) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.3, 4.4.1, 4.4.2; R13-2156U: 4.2.3, 4.4.2, 4.4.3.

4. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

5. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

6. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
25EX	Wet Bin	None-Vents via 25AE

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
2-25BN1 , WET BIN 5' Dia. X 5' Straight shell Design pressure: atmospheric, Design temperature: ambient, 316SS

Manufacturer:	**Model number:**	**Serial number:**
ALPHA TANK AND METALS MFG CO	---	---
Construction date:	**Installation:**	**Modification date(s):**
---	May 1969	--

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	<0.01	varies
Particulate Matter (PM_{10})	<0.01	varies
Total Particulate Matter (TSP)	<0.01	varies
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	1.75	varies
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	1.72	varies
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Operational Limits (Control Devices) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.2, 4.1.5, 4.1.6, Appendix A; R13-2156U: 4.1.2, 4.1.7, 4.1.8, Appendix A; 45CSR§13-5.11.

4. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

5. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

6. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Operational Limits (Control Devices) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.3, 4.4.1, 4.4.2; R13-2156U: 4.2.3, 4.4.2, 4.4.3.

4. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

5. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

6. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
26FX	Agitated Filter Dryer (2-26F1)	None – vents to 22BE

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
FILTER DRYER, 6 SQ. METER, Automated Side Discharge System, Heated S-Blade Type Agitator, Mechanical Seal and Bellows, Fabricated in 316L Stainless Steel.

Manufacturer:	**Model number:**	**Serial number:**
DEDIETRICH PROCESS SYSTEMS	RGFD 6.0	HU1334DD
Construction date:	**Installation:**	**Modification date(s):**
2013	March 2014	---

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	<0.01	varies
Particulate Matter (PM_{10})	<0.01	varies
Total Particulate Matter (TSP)	<0.01	varies
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	11.30	varies
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	11.30	varies
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.

2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.

3. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.

4. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.

2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.

3. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.

4. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).

5. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
26HX	PACKAGING UNIT	26GE-Vents via 26GX

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Bulk Bag Filler System, PROVIDES METERED FLOW OF MATERIAL TO DOWNSTREAM PROCESS EQUIPMENT UNDER AIRLOCK CONDITIONS.

Manufacturer:	**Model number:**	**Serial number:**
FLEXICON CORPORATION	RVD-S10E-X	--
Construction date:	**Installation:**	**Modification date(s):**
2013	MARCH 2014	--

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
4 CFM @ 15 RPM & 75% FILL RATE

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	0.14	varies
Particulate Matter (PM_{10})	0.14	varies
Total Particulate Matter (TSP)	0.14	varies
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	NA	NA
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	NA	NA
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.
2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.
3. Operational Limits (Control Devices) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.2, 4.1.5, 4.1.6, Appendix A; R13-2156U: 4.1.2, 4.1.7, 4.1.8, Appendix A; 45CSR§13-5.11.
4. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.
5. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).
6. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.
2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.
3. M/T/R/R for Operational Limits (Control Devices) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.3, 4.4.1, 4.4.2; R13-2156U: 4.2.3, 4.4.2, 4.4.3.
4. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.
5. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).
6. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
Drum, Drum08, Drum13, Drum22, Drum23, Drum24	Product drumming station	08RC, 13JC, 22QC, 23AC

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

Industrial hygiene pickup associated with packing finished products in containers.

Manufacturer:	**Model number:**	**Serial number:**
VARIES	VARIES	VARIES
Construction date:	**Installation date:**	**Modification date(s):**
---	VARIES	---

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

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
VARIES	VARIES	8,760 hr/yr

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: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

Page _____ of _____

Emissions Data

[Note: The lb/batch emissions below represent the highest current batch emission rate for each pollutant emitted from this Emission Unit. Batch emission rates may change in the future based upon new or revised batch product recipes.]

Criteria Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO_X)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter ($PM_{2.5}$)	0.02	varies
Particulate Matter (PM_{10})	0.02	varies
Total Particulate Matter (TSP)	0.05	varies
Sulfur Dioxide (SO_2)	NA	NA
Volatile Organic Compounds (VOC)	1.97	varies
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
THAP	1.96	varies
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPB (lb/batch)	TPY
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.).

EmissionMaster emission modeling

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.

1. Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.1; R13-2156U: 4.1.1.
2. Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.4, 4.1.8, 4.1.9, 4.1.10, 4.1.11, 4.1.12, 4.1.13; R13-2156U: 4.1.6, 4.1.11, 4.1.12, 4.1.13, 4.1.14, 4.1.15, 4.1.16; 45CSR§7-3.1, 3.2, 4.1, 4.2, 9.1 & 10.3.
3. Operational Limits (Control Devices) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.2, 4.1.5, 4.1.6, Appendix A; R13-2156U: 4.1.2, 4.1.7, 4.1.8, Appendix A; 45CSR§13-5.11.
4. Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.7; R13-2156U: 4.1.9; 40 C.F.R. 63, Subpart FFFF.
5. Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).
6. Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.14; R13-2156U: 4.1.17; 45CSR§13-5.11.

__YES__ 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.)

1. M/T/R/R for Emission Limits (Emissions Cap) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.3, 4.2.1, 4.4.4, 4.4.5, 4.5.1, 4.5.2; R13-2156U: 4.1.5, 4.2.1, 4.4.5, 4.4.6, 4.4.9, 4.5.1, 4.5.3; 45CSR§13-5.11.
2. M/T/R/R for Emission Limits (Rule 7 PM/Acid & Opacity) – R30-07300003-2010-MM09(Part 4 of 4): 4.1.15, 4.2.1, 4.2.2, 4.3.1, 4.3.2, 4.4.6, 4.4.11, 4.4.12; R13-2156U: 4.2.1, 4.2.2, 4.4.7; 45CSR§7-4.12, 8.1 & 8.2.
3. M/T/R/R for Operational Limits (Control Devices) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.3, 4.4.1, 4.4.2; R13-2156U: 4.2.3, 4.4.2, 4.4.3.
4. M/T/R/R for Emission Limits & Operational Limits (MON MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.4.10, 4.5.5; R13-2156U: 4.1.9, 4.4.8; 45CSR34; 40 C.F.R. 63, Subpart FFFF; 40 C.F.R. 63, Subparts A, F, G, H, SS, UU, WW, and GGG; 40 C.F.R. 65, Subpart F.
5. M/T/R/R for Emission Limits & Operational Limits (OLD MACT) – R30-07300003-2010-MM09(Part 4 of 4): 4.4.9; R13-2156U: 4.4.10; 45CSR34; 40 C.F.R. §§63.2343(a), 63.2390(a), 63.2390(d).
6. M/T/R/R for Operational Limits (Intermittent Use Equipment) – R30-07300003-2010-MM09(Part 4 of 4): 4.5.4; R13-2156U: 4.5.5; 45CSR§13-5.11.

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**.