

**SYNTHETIC MINOR DETERMINATION FOR
AKZO NOBEL COATINGS, INC.
PTI 01-6408**

A. Source Description

Akzo Nobel Coatings has submitted a Permit to Install (PTI) application for a replacement coil/extrusion coating manufacturing operations facility.

B. Facility Emissions / Attainment Status

Akzo Nobel Coatings currently has the potential to emit (PTE) more than 250 tons/year of Organic Compounds (OC). Additionally, AKZO has a PTI of greater than 10 tons per year of any single HAP.

Franklin County is currently designated attainment for the National Ambient Air Quality Standard (NAAQS) for all criteria pollutants.

C. Source Emissions

The proposed replacement coil/extrusion coating manufacturing operations has a "potential to emit" in excess of 322.85 tons OC/year, based on 8,760 hours per year of operation.

The facility and Ohio EPA have agreed to production restrictions in the PTI for the proposed replacement coil/extrusion coating manufacturing operations which corresponds to a maximum annual OC emissions of 14.61 tons OC/year.

D. Conclusion

The operation of the proposed replacement coil/extrusion coating manufacturing operations in accordance with the terms and conditions of the PTI, will result in maximum OC emissions of 14.61 tons/year.

The proposed OC emissions increase is less than forty (40) tons per year. Therefore, the proposed replacement coil/extrusion coating manufacturing operations do not trigger the requirement for a review under Prevention of Significant Deterioration (PSD) regulations.

The PTI includes federally enforceable limits and quarterly reporting to ensure continued compliance with the PTI's requirements.

<u>Ohio EPA Source Number</u>	<u>Source Identification/ Description</u>	<u>BAT Determination</u>	<u>Applicable Federal and OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control & Usage Requirement</u>
B007	Emergency Generator (EG-1), Diesel-Fired, 0.2732 MMBTU	Maximum weighted average sulphur content of 0.5% by weight for fuel. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-17-11 3745-17-07	0.068 lbs PM/hour 0.005 ton PM/year 0.25 lb PM/MMBTU of actual heat input 0.079 lbs SO ₂ /hour 0.006 tons SO ₂ /year 0.096 lbs OC/hour 0.007 ton OC/year 1.204 lbs NO _x /hour 0.094 ton NO _x /year 0.259 lbs CO/hour 0.02 ton CO/year Opacity shall not exceed 20% as a 6-minute average
F002	Plant Roadways and Parking Areas	Use of chemical stabilizers, Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-17-08 3745-17-07 3745-15-07	See Additional Terms & Conditions 5.97 ton PM/year See Additional Terms & Conditions
J001	Resin Tanker Loading Arm (LA-195)	Use of bottom-loading vapor recovery system, and oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (E)	0.15 lbs OC/hour 0.025 ton OC/year See Additional Terms & Conditions
P201	Premix Tank (PM-241) with Bag Dump (BD-241), 1,100 gal	Use of fabric filter with an outlet grain loading of less than 0.017 gr/DSCF. Use of thermal Incinerator with a minimum destruction efficiency of 97.55%.	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	0.333 lbs PM/hour 0.017 gr/DSCF 0.68 tons PM/year 8 lbs OC/hour 40 lbs OC/day 1.37 tons OC/year
P202	Thindown Tank (TD-242), 2,000 gal	Use of fabric filter with an outlet grain loading of less than 0.014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 8 lbs OC/hour 40 Lbs OC/day 0.68 tons OC/year 0.0014 gr/DSCF 0.02 tons PM/year
P203	Premix Tank (PM-211) with Bag Dump (BD-211), 300 gal	Use of fabric filter with an outlet grain loading of less than 0.017 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.333 lbs PM/hour 0.017 gr/DSCF 0.68 tons PM/year 8 lbs OC/hour 40 lbs OC/day 1.37 tons OC/year
P204	Premix Tank (PM-221) with Bag Dump (BD-221), 1,500 gal	Use of fabric filter with an outlet grain loading of less than 0.017 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms and Conditions 0.333 lbs PM/hour 0.017 gr/DSCF 0.68 tons PM/year 8 lbs OC/hour 40 lbs OC/day 1.37 tons OC/year
P205	Premix Tank (PM-231) with Bag Dump (BD-231), 2,200 gal	Use of fabric filter with an outlet grain loading of less than 0.017 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms and Conditions 0.333 lbs PM/hour 0.017 gr/DSCF 0.68 tons PM/year 8 lbs OC/hour 40 lbs OC/day 1.37 tons OC/year
P206	Premix Tank (PM-251) with Bag Dump (BD-251), 1,100 gal	Use of fabric filter with an outlet grain loading of less than 0.017 gr/DSCF. Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms and Conditions 0.333 lbs PM/hour 0.017 gr/DSCF 0.68 tons PM/year 8 lbs OC/hour 40 lbs OC/day 1.37 tons OC/year
P207	Premix Tank (PM-261) with Bag Dump (BD-261), 600 gal	Use of fabric filter with an outlet grain loading of less than 0.017 gr/DSCF. Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.333 lbs PM/hour 0.017 gr/DSCF 0.68 tons PM/year 8 lbs OC/hour 40 lbs OC/day 1.37 tons OC/year
P208	Premix Tank (PM-271) with Bag Dump (BD-271), 600 gal	Use of fabric filter with an outlet grain loading of less than 0.017 gr/DSCF. Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.333 lbs PM/hour 0.017 gr/DSCF 0.68 tons PM/year 8 lbs OC/hour 40 lbs OC/day 1.37 tons OC/year
				See Additional Terms & Conditions

Ohio EPA and/ Source Usage Number	Source Identification/ Description	BAT Determination	Applicable Federal and OAC Rules	Permit Allowable Mass Emissions or Control & Requirement
P209	Premix Tank (PM-281) with Bag Dump (BD-281), 300 gal	Use of fabric filter with an outlet grain loading of less than 0.017 gr/DSCF, Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	0.333 lbs PM/hour 0.017 gr/DSCF 0.68 tons PM/year 8 lbs OC/hour 40 lbs OC/day 1.37 tons OC/year
P210	Premix Tank (PM-291) with Bag Dump (BD-291), 300 gal	Use of fabric filter with an outlet grain loading of less than 0.017 gr/DSCF, Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.333 lbs PM/hour 0.017 gr/DSCF 0.68 tons PM/year 8 lbs OC/hour 40 lbs OC/day 1.37 tons OC/year
P211	Premix Tank (PM-301) with Bag Dump (BD-301), 300 gal	Use of fabric filter with an outlet grain loading of less than 0.017 gr/DSCF, Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.333 lbs PM/hour 0.017 gr/DSCF 0.68 tons PM/year 8 lbs OC/hour 40 lbs OC/day 1.37 tons OC/year
P212	Thindown Tank (TD-212), 500 gal, Waterbase	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF, Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P213	Thindown Tank (TD-213), 500 gal, Waterbase	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF, Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P214	Thindown Tank (TD-214), 500 gal, Waterbase	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P215	Thindown Tank (TD-215), 500 gal, Waterbase	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules.	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P216	Thindown Tank (TD-222), 4,000 gal, Waterbase	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF, Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P217	Thindown Tank (TD-223), 6,000 gal, Waterbase	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P218	Thindown Tank (TD-224), 6,000 gal, Waterbase	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
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Ohio EPA and/ Source Usage Number	Source Identification/ Description	BAT Determination	Applicable Federal and OAC Rules	Permit Allowable Mass Emissions or Control & Requirement
P219	Thindown Tank (TD-232), 4,000 gal,	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P220	Thindown Tank (TD-233), 6,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P221	Thindown Tank (TD-234), 6,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P222	Thindown Tank (TD-267), 500 gal, CLEARS	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P223	Thindown Tank (TD-243), 2,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P224	Thindown Tank (TD-244), 2,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P226	Thindown Tank (TD-252), 2,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P227	Thindown Tank (TD-253), 2,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P228	Thindown Tank (TD-254), 2,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P229	Thindown Tank (TD-255), 2,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
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P230	Thindown Tank (TD-262), 1,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P231	Thindown Tank (TD-263), 1,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P232	Thindown Tank (TD-264), 1,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P233	Thindown Tank (TD-265), 1,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P234	Thindown Tank (TD-266), 1,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P235	Thindown Tank (TD-272), 1,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P236	Thindown Tank (TD-273), 1,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P237	Thindown Tank (TD-274), 1,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P238	Thindown Tank (TD-275), 1,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
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P239	Thindown Tank (TD-276), 1,000 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P240	Thindown Tank (TD-282), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P241	Thindown Tank (TD-283), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P242	Thindown Tank (TD-284), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P243	Thindown Tank (TD-285), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P244	Thindown Tank (TD-286), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P245	Thindown Tank (TD-292), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P246	Thindown Tank (TD-293), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P247	Thindown Tank (TD-294), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
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P248	Thindown Tank (TD-295), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P249	Thindown Tank (TD-296), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P250	Thindown Tank (TD-297), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P251	Thindown Tank (TD-302), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P252	Thindown Tank (TD-303), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P253	Thindown Tank (TD-304), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P254	Thindown Tank (TD-305), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P255	Thindown Tank (TD-306), 500 gal	Use of fabric filter with an outlet grain loading of less than 0.0014 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 0.027 lbs PM/hour 0.02 tons/PM year 8 lbs OC/hour 40 Lbs OC/day 0.66 tons OC/year 0.0014 gr/DSCF
P256	Premix Tank (PM-761) 600 gal, Strontium Slurry	Use of fabric filter with an outlet grain loading of less than 8.07 E-7 gr/DSCF. Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 6.75 E-6 lbs PM/hour 8.07 E-7 gr/DSCF 2.28 E-6 tons PM/year 8 lbs OC/hour 40 lbs OC/day 0.0036 tons OC/year
				See Additional Terms & Conditions

Ohio EPA and/ Source Usage Number	Source Identification/ Description	BAT Determination	Applicable Federal and OAC Rules	Permit Allowable Mass Emissions or Control & Requirement
P257	Premix Tank (PM-751) 1,500 gal, Strontium Slurry	Use of fabric filter with an outlet grain loading of less than 8.07 E-7 gr/DSCF, Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	6.75 E-6 lbs PM/hour 8.07 E-7 gr/DSCF 2.28 E-6 tons PM/year 8 lbs OC/hour 40 lbs OC/day 0.0036 tons OC/year
P258	Filter Cart, FC-1	Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 lbs OC/day 0.90 tons OC/year
P259	Filter Cart, FC-2	Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 lbs OC/day 0.90 tons OC/year
P260	Filter Cart, FC-3	Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 lbs OC/day 0.90 tons OC/year
P261	Filter Cart, FC-4	Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 lbs OC/day 0.90 tons OC/year
P262	Premix Tank Strontium Slurry, (PM-771) 100 gal	Use of fabric filter with an outlet grain loading of less than 8.07 E-7 gr/DSCF, Use of a Thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-17-11 3745-17-07 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 lbs OC/day 0.0036 tons OC/year 6.75 E-6 lbs PM/hour 8.07 E-7 gr/DSCF 2.28 E-6 tons PM/year
P263	Portable Tank Mixing Station (AG-701)	Use of fabric filter with an outlet grain loading of less than 0.019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P264	Portable Tank Mixing Station (AG-702)	Use of fabric filter with an outlet grain loading of less than 0.019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P265	Portable Tank Mixing Station (AG-703)	Use of fabric filter with an outlet grain loading of less than 0.019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P266	Portable Tank Mixing Station (AG-704)	Use of fabric filter with an outlet grain loading of less than 0.019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year
P267	Portable Tank Mixing Station (AG-705)	Use of fabric filter with an outlet grain loading of less than 0.019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P268	Portable Tank Mixing Station (AG-706)	Use of fabric filter with an outlet grain loading of less than 0.019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year

See Additional Terms & Conditions

Ohio EPA and/ Source Usage Number	Source Identification/ Description	BAT Determination	Applicable Federal and OAC Rules	Permit Allowable Mass Emissions or Control & Requirement
P269	Portable Tank Mixing Station (AG-707)	Use of fabric filter with an outlet grain loading of less than 0.019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P270	Portable Tank Mixing Station (AG-708)	Use of fabric filter with an outlet grain loading of less than 0.019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P271	Portable Tank Mixing Station (AG-709)	Use of fabric filter with an outlet grain loading of less than 0.019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P272	Portable Tank Mixing Station (AG-710)	Use of fabric filter with an outlet grain loading of less than 0.019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P273	Portable Tank Mixing Station (AG-711)	Use of fabric filter with an outlet grain loading of less than 0.019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P274	Portable Tank Mixing Station (AG-712)	Use of fabric filter with an outlet grain loading of less than .019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P275	Portable Tank Mixing Station (AG-713)	Use of fabric filter with an outlet grain loading of less than .019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P276	Portable Tank Mixing Station (AG-714)	Use of fabric filter with an outlet grain loading of less than .019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P277	Portable Tank Mixing Station (AG-715)	Use of fabric filter with an outlet grain loading of less than .019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
				See Additional Terms & Conditions

Ohio EPA and/ Source Usage Number	Source Identification/ Description	BAT Determination	Applicable Federal and OAC Rules	Permit Allowable Mass Emissions or Control & Requirement
P278	Portable Tank Mixing Station (AG-716)	Use of fabric filter with an outlet grain loading of less than .019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P279	Portable Tank Mixing Station (AG-717)	Use of fabric filter with an outlet grain loading of less than .019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P280	Portable Tank Mixing Station (AG-731)	Use of fabric filter with an outlet grain loading of less than .019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions .14 lbs PM/hour .019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P281	Portable Tank Mixing Station (AG-732)	Use of fabric filter with an outlet grain loading of less than .019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P282	Portable Tank Mixing Station (AG-733)	Use of fabric filter with an outlet grain loading of less than .019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P283	Portable Tank Mixing Station (AG-734)	Use of fabric filter with an outlet grain loading of less than .019 gr/DSCF, Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2) 3745-17-11 3745-17-07	See Additional Terms & Conditions 0.14 lbs PM/hour 0.019 gr/DSCF 0.06 tons PM/year 8 lbs OC/hour 40 Lbs OC/day 5.72 tons OC/year
P284	Floor Mopping Operation	Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (I)	See Additional Terms & Conditions 8 lbs OC/hour 2.19 tons OC/year 1.5 gal Photochemically Reactive Material/day
P285	Pail Washer Operation (W-11)	Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-09 (O)	See Additional Terms & Conditions 4.19 x 10 ³ lbs OC/cycle 5 cycles/hr 0.09 tons OC/year
P286	Portable Tank Washer (W-12)	Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-09 (O)	See Additional Terms & Conditions 0.34 lbs VOC/tank 13,505 Tanks/Rolling 12 mos 2.3 tons VOC/year
P287	Shaft Cleaning, Small Batch Portable	Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 lbs OC/year 1.69 tons OC/year 13,505 tanks/rolling 12 mos 12 months
P288	Filter Cart, FC-5	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 Lbs OC/day 0.90 tons OC/year
				See Additional Terms & Conditions

Ohio EPA and/ Source Usage Number	Source Identification/ Description	BAT Determination	Applicable Federal and OAC Rules	Permit Allowable Mass Emissions or Control & Requirement
P289	Filter Cart, FC-6	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	8 lbs OC/hour 40 Lbs OC/day 0.90 tons OC/year
P290	Filter Cart, FC-7	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 Lbs OC/day 0.90 tons OC/year
P291	Filter Cart, FC-8	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 Lbs OC/day 0.90 tons OC/year
P292	Filter Cart, FC-9	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 Lbs OC/day 0.90 tons OC/year
P293	Filter Cart, FC-10	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 Lbs OC/day 0.90 tons OC/year
P294	Filter Cart, FC-11	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 Lbs OC/day 0.90 tons OC/year
P295	Filter Cart, FC-12	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 Lbs OC/day 0.90 tons OC/year
P296	Filter Cart, FC-13	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 Lbs OC/day 0.90 tons OC/year
P297	Filter Cart, FC-14	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 Lbs OC/day 0.90 tons OC/year
P298	Filter Cart, FC-15	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G) (2)	See Additional Terms & Conditions 8 lbs OC/hour 40 Lbs OC/day 0.90 tons OC/year
T311	Storage Tank, Internix, T-526, 2,000 gal	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (D)	See Additional Terms & Conditions 8 lbs OC/hour 40 Lbs OC/day 0.0002 ton OC/year
T312	Storage Tank, Internix, T-527, 2,000 gal	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (D)	8 lbs OC/hour 40 Lbs OC/day 0.0002 ton OC/year
T313	Storage Tank, Internix, T-528, 1,000 gal	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (D)	8 lbs OC/hour 40 Lbs OC/day 0.0001 ton OC/year
T314	Storage Tank, Underground, T-181, Fuel Oil Tank #2, 10,000 gal	Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-09 (L) (2)	0.0003 ton OC/year
T315	Storage Tank, Underground, T-182, Fuel Oil Tank #2, 10,000 gal	Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-09 (L) (2)	0.003 ton OC/year
T316	Storage Tank, 12,000 gal, T-151, Polyester Resin, HV-4160	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (D) NSPS Subpart K ₆	0.024 lbs OC/hour 0.007 ton OC/year

Ohio EPA and/ Source Usage Number	Source Identification/ Description	BAT Determination	Applicable Federal and OAC Rules	Permit Allowable Mass Emissions or Control & Requirement
T317	Storage Tank, 12,000 gal, T-152, Polyester Resin	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (D) NSPS Subpart K _b	0.024 lbs OC/hour 0.007 ton OC/year
T318	Storage Tank, 12,000 gal, T-153, Epoxy Resin, HV-6009	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (D) NSPS Subpart K _b	0.024 lbs OC/hour 0.007 ton OC/year
T319	Storage Tank, 12,000 gal, T-154, Polyester Resin, HV-4171	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (D) NSPS Subpart K _b	0.024 lbs OC/hour 0.007 ton OC/year
T320	Storage Tank, 12,000 gal, T-155, Latex Emulsion, UCAR 452	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (D) NSPS Subpart K _b	0.024 lbs OC/hour 0.022 ton OC/year
T321	Storage Tank, 12,000 gal, T-156, Mealamine Resin, Cymel 303	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (D) NSPS Subpart K _b	0.024 lbs OC/hour 0.022 ton OC/year
T323	Storage Tank, 5,800 gal, T-1903, EPON 829H	Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (D)	0.024 lbs OC/hour 0.0003 ton OC/year
P299	Microbatch Mixing Station (AG-781)	Use of a fabric filter with an outlet grain loading less than .002 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G)	0.174 lbs PM/hour 0.002 gr/DSCF 0.04 tons PM/year 8 lbs OC/hour 40 lbs OC/day 0.5 tons OC/year
P300	Microbatch Mixing Station (AG-782)	Use of a fabric filter with an outlet grain loading less than .002 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G)	See Additional Terms & Conditions 0.174 lbs PM/hour 0.002 gr/DSCF 0.04 tons PM/year 8 lbs OC/hour 40 lbs OC/day 0.5 tons OC/year
P301	Microbatch Mixing Station (AG-783)	Use of a fabric filter with an outlet grain loading less than .002 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G)	See Additional Terms & Conditions 0.174 lbs PM/hour 0.002 gr/DSCF 0.04 tons PM/year 8 lbs OC/hour 40 lbs OC/day 0.5 tons OC/year
P302	Microbatch Mixing Station (AG-784)	Use of a fabric filter with an outlet grain loading less than .002 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G)	See Additional Terms & Conditions 0.174 lbs PM/hour 0.00204 gr/DSCF 0.04 tons PM/year 8 lbs OC/hour 40 lbs OC/day 0.5 tons OC/year
P303	Microbatch Mixing Station (AG-785)	Use of a fabric filter with an outlet grain loading less than .002 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G)	See Additional Terms & Conditions 0.174 lbs PM/hour 0.002 gr/DSCF 0.04 tons PM/year 8 lbs OC/hour 40 lbs OC/day 0.5 tons OC/year
P304	Microbatch Mixing Station (AG-786)	Use of a fabric filter with an outlet grain loading less than .002 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G)	See Additional Terms & Conditions 0.174 lbs PM/hour 0.002 gr/DSCF 0.04 tons PM/year 8 lbs OC/hour 40 lbs OC/day 0.5 tons OC/year
				See Additional Terms & Conditions

Ohio EPA and/ Source Usage Number	Source Identification/ Description	BAT Determination	Applicable Federal and OAC Rules	Permit Allowable Mass Emissions or Control & Requirement
P305	Microbatch Mixing Station (AG-787)	Use of a fabric filter with an outlet grain loading less than .002 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G)	0.174 lbs PM/hour 0.002 gr/DSCF 0.04 tons PM/year 8 lbs OC/hour 40 lbs OC/day 0.5 tons OC/year
P306	Microbatch Mixing Station (AG-788)	Use of a fabric filter with an outlet grain loading less than .002 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G)	See Additional Terms & Conditions 0.174 lbs PM/hour 0.002 gr/DSCF 0.04 tons PM/year 8 lbs OC/hour 40 lbs OC/day 0.5 tons OC/year
P307	Microbatch Mixing Station (AG-789)	Use of a fabric filter with an outlet grain loading less than .002 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G)	See Additional Terms & Conditions 0.174 lbs PM/hour 0.002 gr/DSCF 0.04 tons PM/year 8 lbs OC/hour 40 lbs OC/day 0.5 tons OC/year
P308	Microbatch Mixing Station (AG-790)	Use of a fabric filter with an outlet grain loading less than .002 gr/DSCF. Use of a thermal oxidizer with a minimum destruction efficiency of 97.55%. Compliance with permitted emissions limits and applicable rules	3745-31-05 3745-21-07 (G)	See Additional Terms & Conditions 0.174 lbs PM/hour 0.002 gr/DSCF 0.04 tons PM/year 8 lbs OC/hour 40 lbs OC/day 0.5 tons OC/year See Additional Terms & Conditions

SUMMARY

	<u>TPY</u>
OC	14.61
PM	6.887
SO ₂	0.0113
CO	0.204
NO _x	4.278

ADDITIONAL SPECIAL TERMS AND CONDITIONS

1. Recordkeeping and Reporting Requirements for Emergency Generator

The weighted average sulfur content of the oil burned in emissions unit B007 shall not exceed 0.5% by weight:

The rolling twelve (12) month operating time for emissions unit B007 shall not exceed 156.5 hours. In order to ensure federal enforceability, for the first twelve calendar months of operation, this facility shall not exceed the following usage limits for the specific time period:

<u>Month</u>	<u>Total Operating Time (hours)</u>
1	156.5
1-2	156.5
1-3	156.5
1-4	156.5
1-5	156.5
1-6	156.5
1-7	156.5
1-8	156.5
1-9	156.5
1-10	156.5
1-11	156.5
1-12	156.5

After the first twelve months of operation this facility shall conform with the limitations and reporting requirements of this condition.

This facility shall maintain records for emissions unit B007 which shall contain the following information:

- a. the date of receipt, amount received (gallons) and weighted average sulfur content (% by weight) for each shipment of fuel received for use; and
- b. the date of each day of operation and corresponding number of hours of operation.

These records, as well as any supporting fuel analyses or computations, shall be retained in the facility's files for a period of not less than three years and shall be made available to the Director or any authorized representative of the Director for review upon request.

This facility shall submit annual reports to the Ohio EPA, Central District Office (CDO) which summarize the following information:

- a. the identification of all fuel types burned and the weighted average sulfur content (% by weight) of each fuel type burned in emissions unit B007; and
- b. the rolling twelve (12) month operating time (hours) for emissions unit B007 as of the last day of each calendar month.

These reports shall be submitted by February 15th of each year and cover the previous calendar year.

2. Plant Roadways and Parking Areas

There shall be no visible particulate emissions from any paved roadway or parking area except for a period of time not to exceed one minute during any sixty-minute observation period.

There shall be no visible particulate emissions from any unpaved road or parking area except for a period of time not to exceed three minutes during any sixty-minute observation period.

The roadways and parking areas shall be treated with water or any other dust suppressant in order to minimize or eliminate at all times visible emissions of fugitive dust generated by vehicular traffic. Frequency of application shall be as needed. This term and condition shall be waived during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.

Any material carried off of the source owner's property and deposited onto the city streets by the vehicular traffic or by erosion by water, etc., shall be promptly removed and disposed of properly in such manner so as to minimize or prevent resuspension.

A maximum speed limit of fifteen (15) miles per hour shall be posted and enforced on the property.

Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.

This facility shall maintain monthly records which list the following information for emissions unit F002:

- a. the type of control material applied; and
- b. the number of times applied.

These records, as well as any supporting analyses and computations, shall be retained in the company's files for a period of not less than three (3) years and shall be made available to the Director or any authorized representative of the Director for review upon verbal or written request, during normal business hours.

3. Recordkeeping and Reporting Requirements for Loading Arm

The maximum rolling twelve (12) month throughput for the loading arm, emissions unit J001, shall be limited to 1,000,000 gallons. In order to ensure federal enforceability, for the first twelve calendar months of operation, this facility shall not exceed the following throughput limits for the specific time period:

<u>Month</u>	<u>Total Throughput (gallons)</u>
1	250,000
1-2	500,000
1-3	750,000
1-4	1,000,000
1-5	1,000,000
1-6	1,000,000
1-7	1,000,000
1-8	1,000,000
1-9	1,000,000
1-10	1,000,000
1-11	1,000,000
1-12	1,000,000

After the first twelve months of operation this facility shall conform with the limitations and reporting requirements of this condition.

This facility shall utilize a Loading Arm OC Conc/Ox emission factor of 4.901 E-5 lbs. OC/gal. of throughput for emissions unit J001 unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall maintain daily records which list the following information for emissions unit J001:

- a. the amount of throughput (gallons);
- b. the total hours of daily operation; and
- c. calculations showing the hourly OC emissions from this emissions unit (Conc/Ox stack).

This facility shall notify CDO of any daily record showing an exceedance(s) of the permitted emissions limits. A report of the exceedance(s), including any corrective actions taken to correct exceedance(s) shall be sent to CDO within thirty (30) days following the end of the calendar month in which the violation occurred.

This facility shall submit quarterly reports to the CDO, which provide the rolling twelve month throughput for each emissions unit and which documents any exceedance(s) of the permitted throughput and/or hourly emissions limits for the previous three (3) calendar months (October 1 through December 31, January 1 through March 31, April 1 through June 30, and July 1 through September 30, respectively). The reports shall be submitted by February 15, May 15, August 15, and November 15 of each year.

These records, as well as any supporting analyses and computations, shall be retained in the company's files for a period of not less than three (3) years and shall be made available to the Director or any authorized representative of the Director for review upon verbal or written request, during normal business hours.

4. **Allowable Annual Emissions Limitations, Recordkeeping and Reporting Requirements for Large Batch Production Area**

The emissions from the Large Batch Production Area, Premix and Thindown Tanks, (emissions units P201 through P224 and P226 through P255) shall not exceed the following:

Organic Compounds (OC) from Premix Tanks	1.37 tons/year
Organic Compounds (OC) from Thindown Tanks	0.66 ton/year
Particulate Matter (PM) from Premix Tanks	0.68 ton/year
Particulate Matter (PM) from Thindown Tanks	0.02 ton/year

The maximum rolling twelve (12) month coatings production rate for the Large Batch Production Area (emissions units P201 through P224 and P226 through P255) shall be limited to 9,000,000 gallons. The production emissions will be assigned to the day the coating is drained from the letdown tank (corresponds to filling report). In order to ensure federal enforceability, for the first twelve calendar months of operation, this facility shall not exceed the following coatings production rate limits for the specific time period:

<u>Month</u>	<u>Total Throughput (gallons)</u>
1	800,000
1-2	1,600,000
1-3	2,400,000
1-4	3,200,000
1-5	4,000,000
1-6	4,800,000
1-7	5,600,000
1-8	6,400,000
1-9	7,200,000
1-10	8,000,000
1-11	8,800,000
1-12	9,000,000

After the first twelve months of operation this facility shall conform with the limitations and reporting requirements of this condition.

This facility shall utilize a Premix Tank OC Large Batch Fugitive Stack emission factor of 8.376 E-05 lbs. OC/gal. of product produced in the Large Batch Production Area for emissions units, P201, and P203 through P211 unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Premix Tank OC Truck Bay Door emission factor of 5.128 E-06 lbs. OC/gal. of product produced in the Large Batch Production Area for emissions units, P201, and P203 through P211 unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Premix Tank OC Conc/Ox emission factor of 4.698 E-05 lbs. OC/gal. of product produced in the Large Batch Production Area for emissions units, P201, and P203 through P211 unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Premix Tank PM Large Batch Fugitive Stack emission factor of 4.93 E-05 lbs. PM/gal. of product produced in the Large Batch Production Area for emissions units, P201, and P203 through P211 unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Premix Tank PM Truck Bay Door emission factor of 3.02 E-6 lbs. PM/gal. of product produced in the Large Batch Production Area for emissions units, P201, and P203 through P211 unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Thindown tank PM Large Batch Fugitive Stack emission factor of 1.47 E-6 lbs PM/gal of product produced in the Large Batch Production Area for emission units P202 and P212 through P224 and P226 through P255 unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Thindown Tank PM Truck Bay Door emission factor of 9.02 E-8 lbs PM/gal of product produced in the Large Batch Production Area for emission units P202 and P212 through P224 and P226 through P255 unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Thindown Tank OC Large Batch Fugitive Stack emission factor of 1.364 E-5 lbs. OC/gal. of product produced in the Large Batch Production Area for emissions units, P202 and P212 through P224 and P226 through P255, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Thindown Tank OC Truck Bay Door emission factor of 8.3524 E-7 lbs. OC/gal. of product produced in the Large Batch Production Area for emissions units, P202 and P212 through P224 and P226 through P255, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Thindown Tank OC Conc/Ox emission factor of 1.047 E-4 lbs. OC/gal. of product produced in the Large Batch Production Area for emissions units, P202 and P212 through P224 and P226 through P255, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall maintain daily records which list the following information for products produced in the Large Batch Production Area (emissions units P201 through P224 and P226 through P255):

- a. the number of gallons of product produced in the Large Batch Production Area;
- b. the number of gallons of product produced in each emissions unit;
- c. the total hours of daily operation of each emissions unit;
- d. calculations showing the hourly and daily large batch OC emissions from each emissions unit;
- e. calculations showing the hourly OC emissions from each emissions unit to the large batch fugitive stack;
- f. calculations showing the hourly OC emissions from each emissions unit to the truck bay

doors;

- g. calculations showing the hourly OC emissions from each emissions unit to the Conc/Ox stack;
- h. calculations showing the hourly PM emissions from each emissions unit to the large batch fugitive stack; and
- i. calculations showing the hourly PM emissions from each emissions unit to the truck bay doors.

These records, as well as any supporting analyses and computations, shall be retained in the company's files for a period of not less than three (3) years and shall be made available to the Director or any authorized representative of the Director for review upon verbal or written request, during normal business hours.

This facility shall notify CDO of any exceedance(s) of the permitted emissions limits and/or production rate. A report of the exceedance(s), including any corrective actions taken to correct exceedance(s) shall be sent to CDO within thirty (30) days following the end of the calendar month in which the violation occurred.

This facility shall submit quarterly reports to the Central District Office, which provide the total OC emissions for the Large Batch Thindown Tanks, emissions units P202, and P212 through P224 and P226 through P255, total OC emissions for the Large Batch Premix Tanks, emissions units P201, and P203 through P211, total PM emissions for the Large Batch Production Area, emissions units P201 through P224 and P226 through P255, and which documents any exceedance(s) of the permitted production rate and/or emissions limits, hourly and/or daily, for the previous three (3) calendar months (October 1 through December 31, January 1 through March 31, April 1 through June 30, and July 1 through September 30, respectively). The reports shall be submitted by February 15, May 15, August 15, and November 15 of each year.

In accordance with OAC Rule 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported within one half hour to the Ohio EPA, Central District Office.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment, that requires the shutdown or bypassing of said equipment, must be accompanied by the shutdown of the associated air pollution source(s).

5. Allowable Annual Emissions Limitations, Recordkeeping and Reporting Requirements for Small Batch Portable Production Area

The emissions from the Small Batch Portable Production Area, (emissions units P263 through P283) shall not exceed the following:

Organic Compounds (OC)	5.72 tons/year
Particulate Matter (PM)	0.06 ton/year

The maximum rolling twelve (12) month coatings production rate for the Small Batch Primary Portable Production Area, Mixing Stations, (emissions units P263 through P283) shall be limited 460,000 gallons. The production rate shall be calculated at the time the product is put into drums or totes (corresponds to filling report). In order to ensure federal enforceability, for the first twelve calendar months of operation, this facility shall not exceed the following coatings production rate limits for the specific time period:

<u>Month</u>	<u>Total Throughput (gallons)</u>
1	57,500
1-2	115,000
1-3	172,500
1-4	230,000
1-5	287,500
1-6	345,000
1-7	402,500
1-8	460,000
1-9	460,000
1-10	460,000
1-11	460,000
1-12	460,000

The maximum rolling twelve (12) month coatings production rate for the Small Batch Intermix Portable Production Area, Mixing Stations, (emissions units P263 through P283) shall be limited 600,000 gallons. The production rate shall be calculated at the time the product is put into drums or totes (corresponds to filling report). In order to ensure federal enforceability, for the first twelve calendar months of operation, this facility shall not exceed the following coatings production rate limits for the specific time period:

<u>Month</u>	<u>Total Throughput (gallons)</u>
1	65,000
1-2	130,000
1-3	195,000
1-4	260,000
1-5	325,000
1-6	390,000
1-7	455,000
1-8	520,000
1-9	585,000
1-10	600,000
1-11	600,000
1-12	600,000

After the first twelve months of operation this facility shall conform with the limitations and reporting requirements of this condition.

This facility shall utilize a Mixing Station OC Small Batch Primary Portable Fugitive Stack emission factor of $3.589 \text{ E-3 lbs. OC/gal.}$ of product produced in the Small Batch Portable Production Area for emissions units, P263 through P283, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Mixing Station OC Small Batch Primary Portable Truck Bay Door emission factor of $1.465 \text{ E-4 lbs. OC/gal.}$ of product produced in the Small Batch Portable Production Area for emissions units, P263 through P283, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Mixing Station OC Small Batch Primary Portable Conc/Ox emission factor of $1.73 \text{ E-2 lbs. OC/gal.}$ of product produced in the Small Batch Portable Production Area for emissions units P263 through P283, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Mixing Station OC Small Batch Intermix Portable Fugitive Stack emission factor of $1.778 \text{ E-4 lbs. OC/gal.}$ of product produced in the Small Batch Portable Production Area for emissions units, P263 through P283, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Mixing Station OC Small Batch Intermix Portable Truck Bay Door emission factor of $7.258 \text{ E-6 lbs. OC/gal.}$ of product produced in the Small Batch Portable Production Area for emissions units, P263 through P283, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Mixing Station OC Small Batch Intermix Portable Conc/Ox emission factor of $3.219 \text{ E-4 lbs. OC/gal.}$ of product produced in the Small Batch Portable Production Area for emissions units, P263 through P283, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Mixing Station PM Small Batch Primary Portable Conc/Ox emission factor of $2.2 \text{ E-5 lbs. PM/gal.}$ of product produced in the Small Batch Portable Production Area for emissions units P263 through P283, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Mixing Station PM Small Batch Primary Portable Truck Bay Door emission factor of $5.09 \text{ E-6 lbs. PM/gal.}$ of product produced in the Small Batch Portable Production Area for emissions units, P263 through P283, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Mixing Station PM Small Batch Primary Portable fugitive stack emission factor of $1.25 \text{ E-4 lbs. PM/gal.}$ of product produced in the Small Batch Portable Production Area for emissions units, P263 through P283, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall maintain daily records which list the following information for products produced in the Small Batch Portable Production Area (emissions units P263 through P283):

- a. the number of gallons of product produced in the Small Batch Primary Portable Production Area;
- b. the number of gallons of product produced in the Small Batch Intermix Portable Production Area;
- c. the number of gallons of product produced in each emissions unit;
- d. the total hours of daily operation of each emissions unit;
- e. calculations showing the hourly OC emissions from each emissions unit to the Small Batch Fugitive Stack;
- f. calculations showing the hourly OC emissions from each emissions unit to the Truck Bay Doors;
- g. calculations showing the hourly OC emissions from each emissions unit to the Conc/Ox Stack; and
- h. calculations showing the hourly PM emissions from each emissions unit to the Conc/Ox Stack.
 - i. calculations showing the hourly PM emissions from each emissions unit to the truck bay doors.
 - j. calculations showing the hourly PM emissions from each emissions unit to the fugitive stacks.

These records, as well as any supporting analyses and computations, shall be retained in the company's files for a period of not less than three (3) years and shall be made available to the Director or any authorized representative of the Director for review upon verbal or written request, during normal business hours.

This facility shall notify CDO of any exceedance(s) of the permitted emissions limits and/or production rate. A report of the exceedance(s), including any corrective actions taken to correct exceedance(s) shall be sent to CDO within thirty (30) days following the end of the calendar month in which the violation occurred.

This facility shall submit quarterly reports to the Central District Office, which provide the total OC and PM emissions from the Small Batch Portable Production Area, (emissions units P263 through P283), and which documents any exceedance(s) of the permitted production rate and/or emissions limits, hourly and/or daily, for the previous three (3) calendar months (October 1 through December 31, January 1 through March 31, April 1 through June 30, and July 1 through September 30, respectively).

In accordance with OAC Rule 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported within one half hour to the Ohio EPA, Central District Office.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment, that requires the shutdown or bypassing of said equipment, must be accompanied by the shutdown of the associated air pollution source(s).

6. **Allowable Annual Emissions Limitations, Recordkeeping and Reporting Requirements for Micro Batch Production Area**

The emissions from the Micro Batch Production Area (P299 through P308) shall not exceed the following:

Organic Compounds (OC)	0.5 tons/year
Particulate Matter (PM)	0.04 tons/year

The maximum rolling twelve (12) month coatings production rate for the Micro Batch Production Area, (emissions units P299 through 308) shall be limited to 40,000 gallons. The production rate shall be calculated at the time the product is put into drums or totes (corresponds to filling report). In order to ensure federal enforceability, for the first twelve calendar months of operation, this facility shall not exceed the following production rate limits for the specific time period:

<u>Month</u>	<u>Total Throughput (gallons)</u>
1	5,000
1-2	10,000
1-3	15,000
1-4	20,000
1-5	25,000
1-6	30,000
1-7	35,000
1-8	40,000
1-9	40,000
1-10	40,000
1-11	40,000
1-12	40,000

After the first twelve months of operation this facility shall conform with the limitations and reporting requirements of this condition.

This facility shall utilize a Micro Batch Fugitive Stack emission factor of 3.411 E-3 lbs. OC/gal. of product produced in the Micro Batch Production Area for emission units P299 through P308, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Micro Batch OC Conc/Ox emission factor of 1.7x E-2 lbs. OC/gal. of product produced in the Micro Batch Production Area for emission units P299 through P308, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Micro Batch OC Truck Bay Door emission factor of 1.392 E-4 lbs. OC/gal. of product produced in the Micro Batch Production Area for emission units P299 through

P308, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Micro Batch PM Fugitive Stack emission factor of $7.84 \text{ E-4 lbs. PM/gal.}$ of product produced in the Micro Batch Production Area for emission units P334 through P365, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Micro Batch PM Truck Bay Door emission factor of $3.2 \text{ E-5 lbs. PM/gal.}$ of product produced for emission units P299 through P308, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Micro Batch PM Conc/Ox PM emission factor of $1.36 \text{ E-4 lbs. PM/gal.}$ of product for emission units P299 through P308, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall maintain daily records which list the following information for products produced in the Micro Batch Production Area (emissions units P299 through P308):

- a. the number of gallons of product produced in the Micro Batch Production Area;
- b. the number of gallons of product produced in each emission unit;
- c. the total hours of daily operation of each emissions unit;
- d. calculations showing the hourly OC emissions from each emissions unit to the Small Batch Fugitive Stack;
- e. calculations showing the hourly OC emissions from each emissions unit to the Truck Bay Doors;
- f. calculations showing the hourly OC emissions from each emissions unit to the Conc/Ox Stack; and
- g. calculations showing the hourly PM emissions from this emissions unit to the Conc/Ox stack.
 - h. calculations showing hourly PM emissions from each emissions unit to the truck bay doors.
 - i. calculations showing the hourly PM emissions from each emissions unit to the fugitive stacks.

These records, as well as any supporting analyses and computations, shall be retained in the company's files for a period of not less than three (3) years and shall be made available to the Director or any authorized representative of the Director for review upon verbal or written request, during normal business hours.

This facility shall notify CDO of any exceedance(s) of the permitted emissions limits and/or production rate. A report of the exceedance(s), including any corrective actions taken to correct exceedance(s) shall be sent to CDO within thirty (30) days following the end of the calendar

month in which the violation occurred.

This facility shall submit quarterly reports to the Central District Office, which provide the total OC and PM emissions from the Micro Batch Production Area (emissions units P299 through P308) and which documents any exceedance(s) of the permitted production rate and/or emissions limits, hourly and/or daily, for the previous three (3) calendar months (October 1 through December 31, January 1 through March 31, April 1 through June 30, and July 1 through September 30, respectively). The reports shall be submitted by February 15, May 15, August 15, and November 15 of each year.

In accordance with OAC Rule 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported within one half hour to the Ohio EPA, Central District Office.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment, that requires the shutdown or bypassing of said equipment, must be accompanied by the shutdown of the associated air pollution source(s).

7. **Allowable Annual Emission Limitations, Recordkeeping and Reporting Requirements for Strontium Chromate Slurry System**

The emissions for the strontium chromate system (P256, P257 and P262) shall not exceed the following:

Organic Compounds (OC) - 0.0036 tons/year
Particulate Matter (PM) - 2.28 E-6 tons/year

The maximum rolling twelve (12) month coatings production rate for the Strontium Chromate Slurry System, (emissions units P256, P257, P262) shall be limited to 404,920 gallons. In order to ensure federal enforceability, for the first twelve calendar months of operation, this facility shall not exceed the following coatings production rate limits for the specific time period:

<u>Month</u>	<u>Total Throughput (gallons)</u>
1	40,000
1-2	80,000
1-3	120,000
1-4	160,000
1-5	200,000
1-6	240,000
1-7	280,000
1-8	320,000
1-9	360,000
1-10	400,000
1-11	404,920
1-12	404,920

After the first twelve months of operation this facility shall conform with the limitations and reporting requirements of this condition.

This facility shall utilize a Strontium Chromate Slurry System OC Fugitive Stack emission factor of 5.17 E-6 OC/gal. of Strontium Chromate Slurry produced in emissions units P256, P257 and P262 unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Strontium Chromate Slurry System Conc/Ox emission factor of 1.25 E-5 lbs. OC/gal. of Strontium Chromate Slurry produced in emissions units P256, P257 and P262 unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Strontium Chromate Slurry System PM Fugitive Stack emission factor of 1.13 E-8 lbs. PM/gal. of Strontium Chromate Slurry produced in emissions units P256, P257 and P262 unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall maintain daily records which list the following information for products produced in the Strontium Chromate Slurry System, emissions units P256, P257 and P262.

- a. the number of gallons of product produced in the Strontium Chromate Slurry System;
- b. the total hours of daily operation of each emissions unit;
- c. calculations showing the hourly and daily OC emissions from each emissions unit;
- d. calculations showing the hourly OC emissions from each emissions unit to the Large Batch Fugitive Stack;
- e. calculations showing the hourly OC emissions this emissions unit to the Truck Bay Doors;
- f. calculations showing the hourly OC emissions from each emissions unit to the Conc/Ox stack;
- g. calculations showing the hourly PM emissions from each emissions unit to the Large Batch Fugitive Stack; and

These records, as well as any supporting analyses and computations, shall be retained in the company's files for a period of not less than three (3) years and shall be made available to the Director or any authorized representative of the Director for review upon verbal or written request, during normal business hours.

This facility shall notify CDO of any exceedance(s) of the permitted emissions limits and/or production rate. A report of the exceedance(s), including any corrective actions taken to correct exceedance(s) shall be sent to CDO within thirty (30) days following the end of the calendar month in which the violation occurred.

This facility shall submit quarterly reports to the Central District Office, which provide the total OC and PM emissions for this emissions unit and which documents any exceedance(s) of the permitted production rate and/or emissions limits, hourly and/or daily, for the previous three (3) calendar months (October 1 through December 31, January 1 through March 31, April 1 through June 30, and July 1 through September 30, respectively). The reports shall be submitted by February 15, May 15, August 15, and November 15 of each year.

In accordance with OAC Rule 3745-15-06, any malfunction of the source(s) or associated air

pollution control system(s) shall be reported within one half hour to the Ohio EPA, Central District Office.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment, that requires the shutdown or bypassing of said equipment, must be accompanied by the shutdown of the associated air pollution source(s).

8. **Allowable Annual Emissions Limitations, Recordkeeping and Reporting Requirements for Filter Carts**

The emissions from the Filter Carts, emissions units P258 through P261 and P288 through P298, shall not exceed the following:

Organic Compounds (OC) 0.90 ton/year

The Filter Carts are portable. They can be used in three production areas; therefore, the production rates of the filter carts are equivalent to the production rates of the corresponding production areas. The maximum rolling twelve (12) month coatings production rate for the Filter Carts, emissions units P258 through P261 and P288 through P298, shall be limited to 9,500,000 gallons. This limit is divided amongst the three production areas. Large Batch Production Area is limited to 9,000,000 gallons of coating per rolling twelve months; and Small Batch Portable Production Area is limited to 500,000 gallons of coating per rolling twelve months. The production emissions will be assigned to the day the coating is drained from the letdown tank (corresponds to filling report). In order to ensure federal enforceability, for the first twelve calendar months of operation, this facility shall not exceed the following coatings production rate limits for the specific time period.

For Large Batch Production Area:

<u>Month</u>	<u>Total Throughput (gallons)</u>
1	800,000
1-2	1,600,000
1-3	2,400,000
1-4	3,200,000
1-5	4,000,000
1-6	4,800,000
1-7	5,600,000
1-8	6,400,000
1-9	7,200,000
1-10	8,000,000
1-11	8,800,000
1-12	9,000,000

For Small Batch Portable Production Area:

<u>Month</u>	<u>Total Throughput (gallons)</u>
1	62,500
1-2	125,000
1-3	187,500
1-4	250,000
1-5	312,500
1-6	375,000
1-7	437,500
1-8	500,000
1-9	500,000
1-10	500,000
1-11	500,000
1-12	500,000

After the first twelve months of operation this facility shall conform with the limitations and reporting requirements of this condition.

This facility shall utilize a Filter Cart OC Large Batch Fugitive Stack emission factor of 7.784 E-6 lbs. OC/gal. of product produced in the Large Batch Production Area for emissions units, P258 through P261 and P288 through P298, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Filter Cart OC Truck Bay Door emission factor of 4.766 E-7 lbs. OC/gal. of product produced in the Large Batch Production Area for emissions units, P258 through P261 and P288 through P298, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Filter Cart OC Conc/Ox emission factor of 1.7 E-4 lbs. OC/gal. of product produced in the Large Batch Production Area for emissions units, P258 through P261 and P288 through P298, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Filter Cart OC Fugitive Stack emission factor of 1.305 E-5 lbs. OC/gal. of product produced in the Small Batch Portable Production Area for emissions units, P258 through P261 and P288 through P298, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Filter Cart OC Truck Bay Door emission factor of 5.328 E-7 lbs. OC/gal. of product produced in the Small Batch Portable Production Area for emissions units, P258 through P261 and P288 through P298, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Filter Cart OC Conc/Ox emission factor of 1.032 E-4 lbs. OC/gal. of product produced in the Small Batch Portable Production Area for emissions units, P258 through P261 and P288 through P298, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall maintain daily records which list the following information for products filtered in the Filter Carts (emissions units P258 through P261 and P288 through P298):

- a. the number of gallons of product filtered in each emissions unit;
- b. the production area product filtered;
- c. the total hours of daily operation of each emissions unit;
- d. total gallons filtered in each production area;
- e. calculations showing the hourly and daily OC emissions from each emissions unit;
- f. calculations showing the hourly OC emissions from each emissions unit to the Large Batch Fugitive Stack;
- g. calculations showing the hourly OC emissions from each emissions unit to the Small Batch Fugitive Stack;
- h. calculations showing the hourly OC emissions from each emissions unit to the Truck Bay Doors; and
- i. calculations showing the hourly OC emissions from the emissions unit to the Conc/Ox Stack.

These records, as well as any supporting analyses and computations, shall be retained in the company's files for a period of not less than three (3) years and shall be made available to the Director or any authorized representative of the Director for review upon verbal or written request, during normal business hours.

This facility shall notify CDO of any exceedance(s) of the permitted emissions limits and/or production rate. A report of the exceedance(s), including any corrective actions taken to correct exceedance(s) shall be sent to CDO within thirty (30) days following the end of the calendar month in which the violation occurred.

This facility shall submit quarterly reports to the CDO that provide the total OC emissions for Filter Carts (emissions units P258 through P261 and P288 through P298), and which document any exceedance(s) of the permitted production rate and/or emissions limits, hourly and/or daily, for the previous three (3) calendar months (October 1 through December 31, January 1 through March 31, April 1 through June 30, and July 1 through September 30, respectively). The reports shall be submitted by February 15, May 15, August 15, and November 15 of each year.

In accordance with OAC Rule 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported within one half hour to the Ohio EPA, Central District Office.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment, that requires the shutdown or bypassing of said equipment, must be accompanied by the shutdown of the associated air pollution source(s).

9. **Operating, Recordkeeping and Reporting Requirements for Cold Cleaner**

This facility shall construct, maintain and operate the Cold Cleaner, emissions unit P285, with:

- a. a cover designed and constructed so that it can be easily operated with one hand;
- b. a device for draining the cleaned parts; and the drainage facility shall be constructed internally so that parts are enclosed under the cover during draining unless an internal type drainage device cannot fit into the cleaning system; and
- c. one of the following devices:
 - (1) freeboard that gives a freeboard ratio greater than or equal to 0.7;
 - (2) water cover (solvent must be insoluble in and heavier than water); or
 - (3) other systems of equivalent control, such as refrigerated chiller or carbon adsorption, approved by the Director.

The facility shall follow these practices to minimize solvent evaporation from the unit:

- (1) provide a permanent, legible, conspicuous label, summarizing the operating requirements;
- (2) store waste solvent in covered containers;
- (3) close the cover whenever parts are being handled in the cleaner;
- (4) drain the cleaned parts until dripping ceases;
- (5) if used, supply a solvent spray that is a solid fluid stream (not a fine, atomized, or shower-type spray) at a pressure that does not exceed ten pounds per square inch gauge; and
- (6) clean only materials that are neither porous nor absorbent.

The pail washer, emissions unit P285, shall be limited to one hundred twenty (120) cycles per day.

This facility shall utilize a Pail Washer Large Batch Fugitive Stack emission factor of 9.379 E-4 lbs. VOC/cycle for emissions unit P285, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Pail Washer Truck Bay Door emission factor of 3.828 E-5 lbs. VOC/cycle for emissions unit P285, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Pail Washer Conc/Ox emission factor of 2.28 E-3 lbs. VOC/cycle for emissions unit P285, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall maintain daily records which list the following information for Emissions Unit P285:

- a. the types of solvents including density employed and the vapor pressure of each solvent (pounds per square inch absolute) measured at one hundred degrees fahrenheit for each emissions unit;
- b. the gallons of solvent disposed of as waste;
- c. the number of cycles of the emissions unit;
- d. the total hours of daily operation of the emissions unit;
- e. calculations showing the hourly VOC emissions from the emissions unit;
- f. calculations showing the hourly VOC emissions from the emissions unit to the Small Batch Fugitive Stack;
- g. calculations showing the hourly VOC emissions from the emissions unit to the Large Batch Fugitive Stack;
- h. calculations showing the hourly VOC emissions from the emissions unit to the Truck Bay Doors; and
- i. calculations showing the hourly VOC emissions from each emissions unit to the Conc/Ox Stack.

These records, as well as any supporting analyses and computations, shall be retained in the company's files for a period of not less than three (3) years and shall be made available to the Director or any authorized representative of the Director for review upon verbal or written request, during normal business hours.

This facility shall notify CDO of any exceedance(s) of the permitted emissions limits and/or cleaning rate. A report of the exceedance(s), including any corrective actions taken to correct exceedance(s) shall be sent to CDO within thirty (30) days following the end of the calendar month in which the violation occurred.

This facility shall submit quarterly reports to the CDO, which provide the total VOC emissions for each emissions unit and which documents any exceedance(s) of the permitted production rate and/or emissions limits for the previous three (3) calendar months (October 1 through December 31, January 1 through March 31, April 1 through June 30, and July 1 through September 30, respectively). The reports shall be submitted by February 15, May 15, August 15, and November 15 of each year.

In accordance with OAC Rule 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported within one half hour to the Ohio EPA, Central District Office.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment, that requires the shutdown or bypassing of said equipment, must be accompanied by the shutdown of the associated air pollution source(s).

10. **Operating, Recordkeeping and Reporting Requirements for Shaft Cleaning**

The maximum rolling twelve (12) month rate for the Shaft Cleaning Process, emissions units P287, shall be limited to 13,505 cleanings. In order to ensure federal enforceability, for the first twelve calendar months of operation, this facility shall not exceed the following limits for the specific time period:

<u>Month</u>	<u>Total Throughput (cleanings)</u>
1	1,350
1-2	2,700
1-3	4,050
1-4	5,400
1-5	6,750
1-6	8,100
1-7	9,450
1-8	10,800
1-9	12,150
1-10	13,505
1-11	13,505
1-12	13,505

After the first twelve months of operation this facility shall conform with the limitations and reporting requirements of this condition.

This facility shall utilize a Shaft Cleaning Truck Bay Door emission factor of 5.00×10^{-3} lbs OC/shaft cleaning for emission unit P287, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Shaft Cleaning Small Batch Fugitive Stack emission factor of 1.225 E-1 lbs. OC/shaft cleaning for emissions unit P287, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall maintain daily records which list the following information for emissions unit P287:

- a. the number of shaft cleanings (batches);
- b. the total hours of daily operation of this emissions unit;
- c. calculations showing the hourly and daily OC emissions from each emissions unit;
- d. calculations showing the hourly OC emissions from Shaft Cleaning to the Small Batch

Fugitive Stack; and

e. calculations showing the hourly OC emissions from Shaft Cleaning to the Truck Bay Doors.

These records, as well as any supporting analyses and computations, shall be retained in the company's files for a period of not less than three (3) years and shall be made available to the Director or any authorized representative of the Director for review upon verbal or written request, during normal business hours.

This facility shall notify CDO of any exceedance(s) of the permitted emissions limits and/or cleaning rate. A report of the exceedance(s), including any corrective actions taken to correct exceedance(s) shall be sent to CDO within thirty (30) days following the end of the calendar month in which the violation occurred.

This facility shall submit quarterly reports to the CDO, which provide the total OC emissions for the Shaft Cleaning Process and which documents any exceedance(s) of the permitted production rate and/or emissions limits, hourly and/or daily, for the previous three (3) calendar months (October 1 through December 31, January 1 through March 31, April 1 through June 30, and July 1 through September 30, respectively). The reports shall be submitted by February 15, May 15, August 15, and November 15 of each year.

In accordance with OAC Rule 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported within one half hour to the Ohio EPA, Central District Office.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment, that requires the shutdown or bypassing of said equipment, must be accompanied by the shutdown of the associated air pollution source(s).

11. Operating, Recordkeeping and Reporting Requirements for Portable Tank Washer

The maximum rolling twelve (12) month rate for the Portable Tank Washer, emissions units P286, shall be limited to 13,505 cleanings. In order to ensure federal enforceability, for the first twelve calendar months of operation, this facility shall not exceed the following limits for the specific time period:

<u>Month</u>	<u>Total Throughput (Tank Cleanings)</u>
1	1,350
1-2	2,700
1-3	4,050
1-4	5,400
1-5	6,750
1-6	8,100
1-7	9,450
1-8	10,800
1-9	12,150

1-10
1-11
1-12

13,505
13,505
13,505

After the first twelve months of operation this facility shall conform with the limitations and reporting requirements of this condition.

This facility shall maintain daily records which list the following information for emissions unit P286:

- a. the number of tank cleanings (batches);
- b. the total hours of daily operation of this emissions unit;
- c. calculations showing the hourly and daily OC emissions from each emissions unit;
- d. calculations showing the hourly OC emissions from Tank Cleaning to the Small Batch Fugitive Stack; and
- e. calculations showing the hourly OC emissions from Tank Cleaning to the Truck Bay Doors.

These records, as well as any supporting analyses and computations, shall be retained in the company's files for a period of not less than three (3) years and shall be made available to the Director or any authorized representative of the Director for review upon verbal or written request, during normal business hours.

This facility shall notify CDO of any exceedance(s) of the permitted emissions limits and/or cleaning rate. A report of the exceedance(s), including any corrective actions taken to correct exceedance(s) shall be sent to CDO within thirty (30) days following the end of the calendar month in which the violation occurred.

This facility shall submit quarterly reports to the CDO, which provide the total OC emissions for the Tank Cleaning Process and which documents any exceedance(s) of the permitted production rate and/or emissions limits, hourly and/or daily, for the previous three (3) calendar months (October 1 through December 31, January 1 through March 31, April 1 through June 30, and July 1 through September 30, respectively). The reports shall be submitted by February 15, May 15, August 15, and November 15 of each year.

In accordance with OAC Rule 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported within one half hour to the Ohio EPA, Central District Office.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment, that requires the shutdown or bypassing of said equipment, must be accompanied by the shutdown of the associated air pollution source(s).

This facility shall utilize a Portable Tank Washer Small Batch Fugitive Stack emission factor of 1.535 E-1 lb. VOC/cycle for emission unit P286, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Portable Tank Washer Truck Bay Door emission factor of 6.266 E-3

lbs. VOC/cycle for emission unit P286, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Portable Tank Washer Conc/Ox emission factor of 2.39 E-2 lbs. VOC/cycle for emission unit P286, unless otherwise approved in writing by Ohio EPA, CDO.

12. **Operating, Recordkeeping and Reporting Requirements for Floor Mopping**

This facility uses reclaim solvent to mop floor. The maximum daily evaporation rate of photochemically reactive material shall be limited to 1.5 gallons.

This facility shall utilize a Floor Mop OC Small Batch Fugitive Stack emission factor of 7.84 lbs. OC/gal. of material evaporated from this emissions unit in the Small Batch Production Area, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Floor Mop OC Large Batch Fugitive Stack emission factor of 7.84 lbs. OC/gal. of material evaporated from this emissions unit in the Large Batch Production Area, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall utilize a Floor Mop OC Truck Bay Door emission factor of 0.16 lbs. OC/gal. of material evaporated from this emissions unit, unless otherwise approved in writing by Ohio EPA, CDO.

This facility shall maintain daily records which list the following information for materials evaporated in this emissions unit, P284:

- a. the number of gallons of reclaim solvent evaporated;
- b. the production area where the floor was mopped;
- c. the total hours of daily operation;
- d. calculations showing the hourly OC emissions from this emissions unit;
- e. calculations showing the hourly OC emissions from Floor Mopping to the Small Batch Fugitive Stack;
- f. calculations showing the hourly OC emissions from Floor Mopping to the Large Batch Fugitive Stack; and
- g. calculations showing the hourly OC emissions from Floor Mopping to the Truck Bay Doors.

These records, as well as any supporting analyses and computations, shall be retained in the company's files for a period of not less than three (3) years and shall be made available to the Director or any authorized representative of the Director for review upon verbal or written request, during normal business hours.

This facility shall notify CDO of any exceedance(s) of the permitted emissions limits and/or evaporation rate. A report of the exceedance(s), including any corrective actions taken to correct exceedance(s) shall be sent to CDO within thirty (30) days following the end of the calendar month in which the violation occurred.

This facility shall submit quarterly reports to the CDO, which provide the total OC emissions from this emissions unit and which documents any exceedance(s) of the permitted evaporation rate and/or emissions limits, hourly and/or daily, for the previous three (3) calendar months (October 1 through December 31, January 1 through March 31, April 1 through June 30, and July 1 through September 30, respectively). The reports shall be submitted by February 15, May 15, August 15, and November 15 of each year.

13. **Thermal Incinerator Temperature Monitoring and Recordkeeping Requirements**

The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature of the exhaust gases from the thermal incinerator when the emissions unit is in operation. Units shall be in degree Fahrenheit. The accuracy for each thermocouple, monitor, and recorder shall be guaranteed by the manufacturer to be within ± 1 percent of the temperature being measured at ± 5 degrees Fahrenheit, whichever is greater. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

- a. The average temperature of the exhaust gases from the thermal incinerator during each of the 8 3-hour blocks of time during the day.
- b. A log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

Thermal Incinerator Operational Restriction

The average temperature of the exhaust gases from the thermal incinerator, for any 3-hour block of time, shall not be less than 1350°F.

This facility shall submit semi-annual reports which provide the following information for each period during which the incinerator inlet temperature falls below 1350°F.

- a. the date of the excursion;
- b. the time interval over which the excursion occurred;
- c. the temperature values during the excursion;
- d. the cause(s) for the excursion; and
- e. the corrective action which has been or will be taken to prevent similar excursions in the

future.

This report does not waive the reporting requirements of OAC Rule 3745-15-06.

The reports shall be submitted by February 15 and August 15 of each year and shall cover the previous six calendar months (July 1 through December 31 and January 1 through June 30, respectively).

14. **Compliance Testing Requirements**

If required, this facility shall conduct, or have conducted, emission tests in order to demonstrate compliance with the allowable OC emission limitation and emission control system performance requirements established in this PTI. The emission tests shall be conducted in accordance with the test methods outlined in this PTI and procedures specified in OAC Rule 3745-21-10. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the Ohio EPA.

This facility submitted "worst" case modeling that corresponds to the emission exiting from the Small Batch Stacks 1 and 2, Large Batch Stacks 1, 2, and 3, Truck Bay Doors, and Concentrator/Oxidizer Stack. This PTI limits the emissions exiting from these points. Emissions that may exit from the four (4) additional stacks will reduce the impact; therefore, these four (4) stacks shall remain closed during compliance testing.

The emissions from the Truck Bay Doors shall be determined by using the following:

TBD = CER - MER

TBD - The emissions rate from the Truck Bay Doors (lbs. OC/hour).

CER - Calculated emissions rate (lbs. OC/hour), theoretical mass emissions calculated, using the same mathematical method presented by AKZO in the submitted PTI application to determine mass emissions and substituting the assumed destruction efficiency with the measured destruction efficiency.

MER - Measured emissions rate (lbs. OC/hour), total mass of the measured emissions exiting from the stacks (Concentrator/Oxidizer, Small Batch 1 and 2, and Large Batch 1, 2, and 3).

All requirements of U.S. EPA Reference Methods shall be met. Including, the stacks (Concentrator/Oxidizer, Small Batch 1 and 2, and Large Batch 1, 2, and 3) shall meet all of U.S. EPA Method 1 criteria.

The OC emissions from the stacks (Concentrator/Oxidizer, Small Batch 1 and 2, and Large Batch 1, 2, and 3) shall be measured following U.S. EPA Method 25 or 25A, as appropriate per U.S. EPA Guidance. The Concentrator/Oxidizer stack shall be measured before and after the concentrator and after the incinerator to determine compliance with the destruction efficiency.

Not later than thirty (30) days prior to the proposed test date(s), this facility shall submit an approvable "Intent To Test" (ITT) notification. The ITT shall be approved by Ohio EPA, Central

Office and U.S. EPA. The ITT shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the tests, the materials to be used in the emissions units during the test, and the means of determining that they represent the "worst case" scenario. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA, Central District Office's (CDO) refusal to accept the results of the emissions tests.

Personnel from the Ohio EPA shall be permitted to witness the tests, examine the testing equipment, and acquire data and information regarding the source operating parameters.

A comprehensive written report on the results of the emission tests shall be submitted within 30 days following completion of the tests.

15. **Changes in Materials Restrictions**

This facility has the operational flexibility to change raw materials for coating formulations. The raw materials shall have an OC Threshold Limit Value (TLV) of 74,424,000 ug/m³ or greater and a PM TLV of 2,268 ug/m³ or greater. The following materials are exempt from this condition because they are limited in this PTI:

Acrylonitrile	Formaldehyde
Antimony	Isophorone
Arsenic	Lead
Benzene	Napthalene
Cadmium	Nickel
Chromium (III)	Phenol
Chromium (IV)	Silica
Cobalt	Vinyl Acetate
Ethyl Acrylate	

Any and all materials with an OC Threshold Limit Value (TLV) less than 74,424,000 ug/m³ or a PM TLV less than 2,268 ug/m³ shall not be employed in the Replacement Coil/Extrusion Coating Manufacturing Operations.

16. **Odors**

This facility shall not cause an odor nuisance in violation of OAC Rule 3745-15-07.

17. **Preventative Maintenance and Malfunction Abatement Plan (PM & MAP)**

Akzo Noble Coatings, Inc. shall prepare and implement a PM & MAP for the control equipment. This plan shall include the requirements for compliance with OAC Rule 3745-15-06. This plan shall be submitted to the Ohio EPA, CDO for review and approval before a Permit To Operate will be issued.

18. **Allowable Annual Emissions Limitations, Recordkeeping and Reporting Requirements for Specific Toxic Constituents**

The rolling twelve month emissions for the listed constituents from the Coil/Extrusion Coating Manufacturing Operations shall not exceed the following:

<u>Constituent</u>	<u>Allowable Emissions (tons/rolling twelve months)</u>
Acrylonitrile	1.0
Antimony	1.0
Arsenic	1.0
Benzene	1.0
Cadmium	1.0
Chromium (III)	1.0
Chromium (IV)	0.1
Cobalt	1.0
Ethyl Acrylate	1.0
Formaldehyde	1.0
Isophorone	1.0
Lead	0.6
Napthalene	1.0
Nickel	1.0
Phenol	1.0
Silica	1.0
Vinyl Acetate	1.0

The maximum rolling twelve (12) month coatings production rate for Coil/Extrusion Coating Manufacturing Operations shall be limited to 9,500,000 gallons. The production emissions will be assigned to the day the coating is drained from the letdown tank (corresponds to filling report). In order to ensure federal enforceability, for the first twelve calendar months of operation, this facility shall not exceed the following coatings production rate limits for the specific time period:

<u>Month</u>	<u>Total Throughput (gallons)</u>
1	873,312
1-2	1,746,624
1-3	2,619,936
1-4	3,493,248
1-5	4,366,560

1-6	5,239,872
1-7	6,113,184
1-8	6,986,496
1-9	7,809,808
1-10	8,633,120
1-11	9,386,432
1-12	9,500,000

After the first twelve months of operation this facility shall conform with the limitations and reporting requirements of this condition.

This facility shall maintain monthly records which list the following information for products produced in the Coil/Extrusion Coating Manufacturing Operations Area:

- a. the number of gallons of product produced in the Coil/Extrusion Coating Manufacturing Operations Area;
- b. calculations showing the monthly emissions of acrylonitrile from the Coil/Extrusion Coating Manufacturing Operations Area;
- c. calculations showing the monthly emissions of antimony from the Coil/Extrusion Coating Manufacturing Operations Area;
- d. calculations showing the monthly emissions of arsenic from the Coil/Extrusion Coating Manufacturing Operations Area;
- e. calculations showing the monthly emissions of benzene from the Coil/Extrusion Coating Manufacturing Operations Area;
- f. calculations showing the monthly emissions of cadmium from the Coil/Extrusion Coating Manufacturing Operations Area;
- g. calculations showing the monthly emissions of chromium (III) from the Coil/Extrusion Coating Manufacturing Operations Area;
- h. calculations showing the monthly emissions of chromium (IV) from the Coil/Extrusion Coating Manufacturing Operations Area;
- i. calculations showing the monthly emissions of cobalt from the Coil/Extrusion Coating Manufacturing Operations Area;
- j. calculations showing the monthly emissions of ethyl acrylate from the Coil/Extrusion Coating Manufacturing Operations Area;
- k. calculations showing the monthly emissions of formaldehyde from the Coil/Extrusion Coating Manufacturing Operations Area;
- l. calculations showing the monthly emissions of isophorone from the Coil/Extrusion Coating Manufacturing Operations Area;

Manufacturing Operations Area;

- m. calculations showing the monthly emissions of lead from the Coil/Extrusion Coating Manufacturing Operations Area;
- n. calculations showing the monthly emissions of naphthalene from the Coil/Extrusion Coating Manufacturing Operations Area;
- o. calculations showing the monthly emissions of nickel from the Coil/Extrusion Coating Manufacturing Operations Area;
- p. calculations showing the monthly emissions of phenol from the Coil/Extrusion Coating Manufacturing Operations Area;
- q. calculations showing the monthly emissions of silica from the Coil/Extrusion Coating Manufacturing Operations Area;
- r. calculations showing the monthly emissions of vinyl acetate from the Coil/Extrusion Coating Manufacturing Operations Area;

These records, as well as any supporting analyses and computations, shall be retained in the company's files for a period of not less than three (3) years and shall be made available to the Director or any authorized representative of the Director for review upon verbal or written request, during normal business hours.

This facility shall notify CDO of any exceedance(s) of the permitted emissions limits and/or production rate. A report of the exceedance(s), including any corrective actions taken to correct exceedance(s) shall be sent to CDO within thirty (30) days following the end of the calendar month in which the violation occurred.

This facility shall submit quarterly reports to the CDO, which provide the rolling twelve month total emissions of each constituent from the Coil/Extrusion Coating Manufacturing Operations Area and which documents any exceedance(s) of the permitted production rate and/or emissions limits for the previous three (3) calendar months (October 1 through December 31, January 1 through March 31, April 1 through June 30, and July 1 through September 30, respectively). The reports shall be submitted by February 15, May 15, August 15, and November 15 of each year.

19. **Allowable Hourly Emissions Limitations, Recordkeeping and Reporting Requirements for the Egress Points**

The hourly emissions from the Egress Points shall not exceed the following:

Concentrator/Oxidizer	43.43 (lbs. OC/hour)	0.56 (lbs. PM/hour)
Small Batch Stack 1	10.58 (lbs. OC/hour)	0.004 (lbs. PM/hour)
Small Batch Stack 2	10.58 (lbs. OC/hour)	0.003 (lbs. PM/hour)
Large Batch Stack 1	2.84 (lbs. OC/hour)	0.277 (lbs. PM/hour)

Large Batch Stack 2	2.84 (lbs. OC/hour)	0.277 (lbs. PM/hour)
Large Batch Stack 3	2.84 (lbs. OC/hour)	0.277 (lbs. PM/hour)
Truck Bay Doors	0.61 (lbs. OC/hour)	0.017 (lbs. PM/hour)
Strontium Chromate Stack	0.0114(lbs. OC/hour)	2.49 E-5 (lbs. PM/hour)

The Egress Points are limited to ensure compliance with the Ohio EPA Air Toxics Policy. Akzo demonstrated through modeling that this "worst" case scenario is in compliance with the Ohio EPA Air Toxics Policy.

This facility shall maintain daily records which list the following information:

- a. calculations showing the hourly OC emissions from the load arm to the Conc/Ox stack;
- b. calculations showing the hourly OC emissions from Premix Tanks to the Large Batch Fugitive Stack;
- c. calculations showing the hourly OC emissions from Large Batch Premix Tanks to the Truck Bay Doors;
- d. calculations showing the hourly OC emissions from Large Batch Premix Tanks to the Conc/Ox Stack;
- e. calculations showing the hourly PM emissions from Premix Tanks to the Large Batch Fugitive Stack;
- f. calculations showing the hourly PM emissions from Large Batch Premix Tanks to the Truck Bay Doors;
- g. calculations showing the hourly OC emissions from Thindown Tanks to the Large Batch Fugitive Stack;
- h. calculations showing the hourly OC emissions from Large Batch Thindown Tanks to the Truck Bay Doors;
- i. calculations showing the hourly OC emissions from Large Batch Thindown Tanks to the Conc/Ox Stack;
- j. calculations showing the hourly OC emissions from Small Batch Portable to the Small Batch Fugitive Stack;
- k. calculations showing the hourly OC emissions from Small Batch Portable to the Truck Bay Doors;
- l. calculations showing the hourly OC emissions from Small Batch Portable to the Conc/Ox Stack;
- m. calculations showing the hourly PM emissions from Small Batch Portable to the Conc/Ox

Stack;

- n. calculations showing the hourly OC emissions from Strontium Chromate Slurry System to the Large Batch Fugitive Stack;
- o. calculations showing the hourly OC emissions from Strontium Chromate Slurry System to the Truck Bay Doors;
- p. calculations showing the hourly OC emissions from Strontium Chromate Slurry System to the Conc/Ox Stack;
- q. calculations showing the hourly OC emissions from Filter Carts to the Small Batch Fugitive Stack;
- r. calculations showing the hourly OC emissions from Filter Carts to the Truck Bay Doors;
- s. calculations showing the hourly OC emissions from Filter Carts to the Conc/Ox Stack;
- t. calculations showing the hourly OC emissions from Cold Cleaners to the Small Batch Fugitive Stack;
- u. calculations showing the hourly OC emissions from Cold Cleaners to the Large Batch Fugitive Stack;
- v. calculations showing the hourly OC emissions from Cold Cleaners to the Truck Bay Doors; and
- w. calculations showing the hourly OC emissions from Cold Cleaners to the Conc/Ox Stack;
- x. calculations showing the hourly OC emissions from Shaft Cleaning to the Small Batch Fugitive Stack;
- y. calculations showing the hourly OC emissions from Shaft Cleaning to the Truck Bay Doors;
- z. calculations showing the hourly OC emissions from Floor Mopping to the Small Batch Fugitive Stack;
- aa. calculations showing the hourly OC emissions from Floor Mopping to the Large Batch Fugitive Stack;
- bb. calculations showing the hourly OC emissions from Floor Mopping to the Truck Bay Doors;
- cc. calculations showing the hourly OC emissions from each Large Batch Fugitive Stack;
- dd. calculations showing the hourly OC emissions from each Small Batch Fugitive Stack;

- ee. calculations showing the hourly OC emissions from the Truck Bay Doors; and
- ff. calculations showing the hourly OC emissions from the Conc/Ox Stack.
- gg. calculations showing the hourly OC emissions from Microbatch Production Area to each Small Batch Fugitive Stack;
- hh. calculations showing the hourly OC emissions from Microbatch Production Area to the Truck Bay Doors;
- ii. calculations showing the hourly OC emissions from Microbatch Production Area to the Conc/Ox Stack;
- jj. calculations showing the hourly PM emissions from Microbatch Production Area to each Small Batch Fugitive Stack;
- kk. calculations showing the hourly PM emissions from Microbatch Production Area to the Truck Bay Doors;

These records, as well as any supporting analyses and computations, shall be retained in the company's files for a period of not less than three (3) years and shall be made available to the Director or any authorized representative of the Director for review upon verbal or written request, during normal business hours.

This facility shall notify CDO of any exceedance(s) of the permitted emissions limits. A report of the exceedance(s), including any corrective actions taken to correct exceedance(s) shall be sent to CDO within thirty (30) days following the end of the calendar month in which the violation occurred.

This facility shall submit quarterly reports to CDO which documents any exceedance(s) of the permitted hourly emissions limits, for the previous three (3) calendar months (October 1 through December 31, January 1 through March 31, April 1 through June 30, and July 1 through September 30, respectively). The reports shall be submitted by February 15, May 15, August 15, and November 15 of each year.

20. This PTI supercedes PTI 01-5788 as issued on January 24, 1996.