

Statement of Basis For Title V Permit

Company Name	IMCO Recycling		
Premise Number	0679030152		
Number of Non-insignificant Emissions Units	15		
What makes this facility a Title V facility?	PM and NOx		
Has each insignificant emissions unit been reviewed to confirm it meets the definition in 3745-77-01 (U)?	Yes		

Part II (State and Federally Enforceable Requirements)			
Term and Condition (paragraph)	Basis		Comments
	SIP (3745-)	Other	
NA			

C Instructions for Part II:

Each paragraph in Part II must be identified and the remainder of the table completed. If the SIP (not including 31-05) is the basis for the term and condition, identify the specific rule. If the SIP is not the basis for the term and condition, place an “N” in the column under “SIP.” If the basis for the term and condition is something other than the SIP, including 3745-31-05, NSPS or MACT, a “Y” should be noted in the “Other” column, and if not, an “N” should be noted. Whether the basis for the term and condition is the “SIP” or “Other,” an explanation of each term and condition in Part II must be provided in the “Comments” section.

C If there were any “common control” issues associated with this facility, after the table for Part II, provide a summary of those issues and explain how the DAPC decided to resolve them.

Part III (Requirements Within the State & Federally Enforceable Section)

EU(s)	Limitation	Basis		OR	M	R	Rp	ET	Misc	Comments
		SIP (3745-)	Other							
F001, F002	PM: 0.35 lb/hr, 1.53 ton/yr		3745- 31-05 (A)(3)	N	N	N	N	Y	N	MACT RRR is more stringent and will require M, R, Rp.
	VE < 20%		3745- 31-05 (A)(3)	N	N	N	N	Y	N	MACT RRR is more stringent and will require M, R, Rp.
	0.010 grain of PM per dscf		40 CFR 63.15 00 - 1520	Y	Y	Y	Y	Y	N	Requirements copied from MACT RRR.
P901 - P908, P910, P911	PM: 6.57 TPY; HCl: 6.57 TPY; NOx: 1.47 lb per hour, 6.44 TPY; CO: 1.25 lb per hour, 5.43 TPY; and visible emissions: 10 percent opacity from any PM add-on air pollution control device.		3745- 31-05 (A)(3)	N	N	N	N	Y	N	MACT RRR is more stringent and will require M, R, Rp.

P901 - P908, P910, P911	PM: 0.40 lb per ton of feed/charge ; D/F TEQ: 2.1 x 10 ⁻⁴ grain per ton of feed/charge ; and HCl: 0.40 lb per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight.		40 CFR 63.1500 - 1520 and 3745-31-05 (A)(3)	Y	Y	Y	Y	Y	N	Requirements copied from MACT RRR.
	SO ₂ < 72.7 lb/hr	3745-18-06 (E)(2)		N	N	N	N	Y	N	Compliance is assumed due to negligible sulfur content of natural gas fuel and no other source of sulfur is input to furnace.
P909	PM: 1.69 lb/hr, 7.4 ton/yr; NOx: 0.69 lb/hr, 3.02 ton/yr		3745-31-05 (A)(3)	N	N	N	N	Y	N	MACT RRR is more stringent and will require M, R, Rp.

	0.06 pound of THC, as propane, per ton of feed/charge 0.08 pound of PM per ton of feed/charge ; 3.5 x 10 ⁻⁶ grain of D/F TEQ per ton of feed/charge ; 0.80 pound of HCl per ton of feed/charge .		40 CFR 63.1500 - 1520	Y	Y	Y	Y	Y	N	Requirements copied from MACT RRR.
	VE < 20%		3745-17-07 (A)	N	N	N	N	Y	N	MACT RRR is more stringent and will require M, R, Rp.
	SO ₂ < 184.1 lb/hr	3745-18-06 (E)(2)		N	N	N	N	Y	N	Compliance is assumed due to negligible sulfur content of natural gas fuel and no other source of sulfur is input to furnace.
P912, P913	PM: 3.0 lb per hour, 13.2 TPY; NOx: 3.9 lb per hour, 17.1 tons per year; visible emissions: 10 percent opacity as a 6-minute average.		3745-31-05 (A)(3)	N	N	N	N	Y	N	MACT RRR is more stringent and will require M, R, Rp.

	PM: 0.40 lb per ton of feed/charge ; D/F TEQ: 2.1 x 10 ⁻⁴ grain per ton of feed/charge ; and HCl: 0.40 lb per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight.		40 CFR 63.1500 - 1520	Y	Y	Y	Y	Y	N	Requirements copied from MACT RRR.
	SO ₂ < 162.9 lb/hr	3745-18-06 (E)(2)		N	N	N	N	Y	N	Compliance is assumed due to negligible sulfur content of natural gas fuel and no other source of sulfur is input to furnace.

EU = emissions unit id

OR = operational restriction

M = monitoring requirements

R = recordkeeping requirements

Rp = reporting requirements

ET = emission testing requirements (not including compliance method terms)

Misc = miscellaneous requirements

C Instructions for Part III:

C All non-insignificant EUs must be included in this table. For each EU, or group of similar EUs, each emission limitation and control requirement specified in

section A.I.1 and A.I.2 of the permit must be identified and the remainder of the table completed.

- C If the SIP (not including 31-05) is the basis for the term and condition, identify the specific rule. If the SIP is not the basis for the term and condition, place an “N” in the column under “SIP.” If the basis for the term and condition is something other than the SIP, including 3745-31-05, NSPS or MACT, a “Y” should be noted in the “Other” column, and if not, an “N” should be noted. If the basis for the term and condition is “Other,” an explanation of the basis must be provided in the “Comments” section.

To complete the remainder of the table after “Basis,” except for the “Comments” section, simply specify a “Y” for yes or an “N” for no. For the “M”, “R”, “Rp” and “ET” columns, if “N” is specified, there should be a brief explanation in the “Comments” section as to why there are no requirements. Also, if a “Y” is noted under “OR” or “Misc,” an explanation of the requirements should be provided in the “Comments” section. In addition to a general explanation of the “OR” and/or “Misc,” the following should be provided:

1. For an operational restriction, clarify if appropriate monitoring, recordkeeping, reporting requirements have been specified for the operational restriction and indicate whether or not CAM is currently applicable.
2. If a control plan and schedule is included in the “Miscellaneous Requirements” section of the permit, provide an explanation in the “Comments” section of the violation, basis for the violation, and the company’s proposed control plan and schedule.
3. If superseding language is included in the “Miscellaneous Requirements” section of the permit, explain which requirements are being superseded and which requirements are being superseded on the State-only side of the permit and why they are on the State-only side.

An explanation is not required if an “N” is noted in the “OR” column or in the “Misc” column.

- C Any unusual requirements or aspects of the terms and conditions in Part III that are not self-explanatory should be explained in a paragraph following the table for Part III.