

FACILITY PERMIT TO OPERATE

**INEOS POLYPROPYLENE LLC
2384 E 223RD ST
CARSON, CA 90810**

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

By _____
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

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FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: INEOS POLYPROPYLENE LLC

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 2384 E 223RD ST
CARSON, CA 90810

MAILING ADDRESS: 2384 E 223RD ST
CARSON, CA 90810

RESPONSIBLE OFFICIAL: BYRON LEWIS

TITLE: PLANT MANAGER

TELEPHONE NUMBER: (310) 847-8520

CONTACT PERSON: ROB CRAMMER

TITLE: ENVIRONMENTAL HEALTH SAFETY SUPVR

TELEPHONE NUMBER: (310) 847-8555

INITIAL TITLE V PERMIT ISSUED: September 12, 2008

TITLE V PERMIT EXPIRATION DATE: September 11, 2013

TITLE V	RECLAIM
YES	NOx: YES SOx: YES CYCLE: 2 ZONE: COASTAL

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NO_x RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NO_x emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NO _x RTC Initially Allocated	NO _x RTC ¹	Non-Tradable ²
			Holding as of 07/01/2011 (pounds)	Non-Usable RTCs (pounds)
1/2009 12/2009	Coastal	0	5171	0
1/2010 12/2010	Coastal	0	4943	0
1/2011 12/2011	Coastal	0	4453	0
1/2012 12/2012	Coastal	0	5490	0
1/2013 12/2013	Coastal	0	6588	0
1/2014 12/2014	Coastal	0	6588	0
1/2015 12/2015	Coastal	0	6588	0
1/2016 12/2016	Coastal	0	6588	0
1/2017 12/2017	Coastal	0	6588	0
1/2018 12/2018	Coastal	0	6588	0
1/2019 12/2019	Coastal	0	6588	0
1/2020 12/2020	Coastal	0	6588	0
1/2021 12/2021	Coastal	0	6588	0
1/2022 12/2022	Coastal	0	6588	0
1/2023 12/2023	Coastal	0	6588	0
1/2024 12/2024	Coastal	0	6588	0
1/2025 12/2025	Coastal	0	6588	0

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹	Non-Tradable ²
			Holding as of 07/01/2011 (pounds)	Non-Usable RTCs (pounds)
1/2026 12/2026	Coastal	0	6588	0

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of SOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total SOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	SOx RTC Initially Allocated	SOx RTC ¹ Holding as of 07/01/2011 (pounds)	Non-Tradable ² Credits (NTCs) (pounds)
7/2008 6/2009	Coastal	626787	0	
1/2009 12/2009	Coastal	0	70	
7/2009 6/2010	Coastal	626787	0	
1/2010 12/2010	Coastal	0	70	
7/2010 6/2011	Coastal	626787	0	
1/2011 12/2011	Coastal	0	70	
7/2011 6/2012	Coastal	626787	0	
1/2012 12/2012	Coastal	0	70	
1/2013 12/2013	Coastal	0	70	
1/2014 12/2014	Coastal	0	70	
1/2015 12/2015	Coastal	0	70	
1/2016 12/2016	Coastal	0	70	
1/2017 12/2017	Coastal	0	70	
1/2018 12/2018	Coastal	0	70	
1/2019 12/2019	Coastal	0	70	
1/2020 12/2020	Coastal	0	70	
1/2021 12/2021	Coastal	0	70	

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
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SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	SOx RTC Initially Allocated	SOx RTC ¹ Holding as of 07/01/2011 (pounds)	Non-Tradable ² Credits (NTCs) (pounds)
1/2022 12/2022	Coastal	0	70	
1/2023 12/2023	Coastal	0	70	
1/2024 12/2024	Coastal	0	70	
1/2025 12/2025	Coastal	0	70	
1/2026 12/2026	Coastal	0	70	

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.

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SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase in an annual allocation to a level greater than the facility's starting Allocation plus Non-Tradable credits as listed below, the application will be evaluated for compliance with Rule 2005 (c)(4). Rule 2005 (e) - Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year		Zone	NOx RTC	Non-Tradable
Begin	End		Starting Allocation	Credits(NTC)
(month/year)			(pounds)	(pounds)
7/1994	6/1995	Coastal	3706790	0

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Year		Zone	SOx RTC	Non-Tradable
Begin	End		Starting Allocation	Credits(NTC)
(month/year)			(pounds)	(pounds)
7/1994	6/1995	Coastal	3702692	0

**FACILITY PERMIT TO OPERATE
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SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
System 1: FEED TREATING UNIT (INCLUDING HEAT EXCHANGERS & PUMPS)					S15.1
COMPRESSOR, CO-11001, NITROGEN AND HYDROGEN, RECIPROCATING A/N: 448817	D2167				
FILTER, FL-11004, PROPYLENE FEED FILTER A/N: 448817	D2169				
FILTER, FL-11005, HYDROGEN FEED FILTER A/N: 448817	D2170				
FILTER, FL-11006, NITROGEN FILTER, SOUTH A/N: 448817	D2171				
FILTER, FL-11007, PURIFIED NITROGEN FILTER A/N: 448817	D2172				
DRYER, PV-11008, PROPYLENE, WEST, HEIGHT: 24 FT 11 IN; DIAMETER: 5 FT 6 IN A/N: 448817	D2173	C2290		VOC: RESIN (5) [RULE 1141, 11-17-2000]	
DRYER, PV-11009, PROPYLENE, EAST, HEIGHT: 24 FT 11 IN; DIAMETER: 5 FT 6 IN A/N: 448817	D2174	C2290		VOC: RESIN (5) [RULE 1141, 11-17-2000]	
DRYER, PV-11015, NITROGEN, HEIGHT: 9 FT ; DIAMETER: 1 FT 6 IN A/N: 448817	D2175				
DRYER, PV-11029, HYDROGEN NORTH, HEIGHT: 22 FT ; DIAMETER: 3 FT A/N: 448817	D2176				

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| <ul style="list-style-type: none"> * (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
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** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
DRYER, PV-11030, HYDROGEN SOUTH, HEIGHT: 22 FT ; DIAMETER: 3 FT A/N: 448817	D2177				
DRUM, PV-11010, PROPYLENE FEED SURGE DRUM, HEIGHT: 20 FT ; DIAMETER: 8 FT A/N: 448817	D2178	C2290		VOC: RESIN (5) [RULE 1141, 11-17-2000]	
VESSEL, PV-11011, FEED POT, HEIGHT: 3 FT ; DIAMETER: 8 IN A/N: 448817	D2179				
VESSEL, PV-11012, SEAL POT, HEIGHT: 9 FT ; DIAMETER: 3 FT A/N: 448817	D2180				
VESSEL, PV-11014, NITROGEN DEOXO VESSEL, HEIGHT: 13 FT 6 IN; DIAMETER: 2 FT 6 IN A/N: 448817	D2181				
TANK, PV-11013, BLOW TANK, HEIGHT: 5 FT 10 IN; DIAMETER: 1 FT 6 IN A/N: 448817	D2182				
TANK, PV-11026, DISPOSAL TANK, HEIGHT: 7 FT ; DIAMETER: 3 FT A/N: 448817	D2183				
VESSEL, PV-11027, HYDROGEN METHANATOR, HEIGHT: 6 FT 2 IN; DIAMETER: 1 FT A/N: 448817	D2328				
FILTER, FL-11032, NITROGEN FILTER NORTH A/N: 448817	D2419				

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| <ul style="list-style-type: none"> * (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
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FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
FILTER, FL-11034, HYDROGEN SUPPLY FILTER A/N: 448817	D2420				
FILTER, FL-12016, RECOVERED PROPYLENE FILTER WEST A/N: 448817	D2421				
FILTER, FL-12023, RECOVERED PROPYLENE DRYER AFTER FILTER A/N: 448817	D2422				
VESSEL, PV-11035, NITROGEN CO REMOVAL VESSEL, HEIGHT: 11 FT 6 IN; DIAMETER: 3 FT A/N: 448817	D2423				
VESSEL, PV-12018, RECOVERED PROPYLENE DRYERS, HEIGHT: 7 FT ; DIAMETER: 2 FT A/N: 448817	D2424	C2290		VOC: RESIN (5) [RULE 1141, 11-17-2000]	
FILTER, FL-12017, RECOVERED PROPYLENE FILTER EAST A/N: 448817	D2459				
FILTER, FL-11003, PROPYLENE FEED FILTER A/N: 448817	D2460				
System 2: POLYMERIZATION UNIT (INCLUDING HEAT EXCHANGERS & PUMPS)					S1.1, S15.1
COMPRESSOR, CO-13002, REACTOR CYCLE GAS COMPRESSOR, WITH AN EMERGENCY DRIVER A/N: 456014	D2184	C2290		VOC: RESIN (5) [RULE 1141, 11-17-2000]; VOC: (5A) [RULE 466, 10-7-1983; RULE 466.1, 5-2-1980; RULE 466.1, 3-16-1984]	
FILTER, FL-13004, REACTOR CYCLE GAS VENT FILTER A/N: 456014	D2185				
MIXER, MX-13001 A/N: 456014	D2186				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
VESSEL, PV13008, CATALYST FEED, HEIGHT: 8 FT ; DIAMETER: 2 FT A/N: 456014	D2187				B59.1
TANK, PV13009, ADDITIVE TANK, HEIGHT: 3 FT ; DIAMETER: 2 FT A/N: 456014	D2188	C2290		VOC: RESIN (5) [RULE 1141, 11-17-2000]	B59.1
TANK, PV13010, ADDITIVE TANK, HEIGHT: 3 FT ; DIAMETER: 2 FT A/N: 456014	D2189	C2290		VOC: RESIN (5) [RULE 1141, 11-17-2000]; VOC: (5A) [RULE 467, 3-5-1982]	B59.1
VESSEL, PV-13011/13013, PRODUCT DISCHARGE SYSTEM 1A, HEIGHT: 14 FT ; DIAMETER: 4 FT A/N: 456014	D2190				
VESSEL, PV-13012/13014, PRODUCT DISCHARGE SYSTEM 1B, HEIGHT: 14 FT ; DIAMETER: 4 FT A/N: 456014	D2191				
VESSEL, PV-13033/13035, PRODUCT DISCHARGE SYSTEM 2A, HEIGHT: 14 FT ; DIAMETER: 4 FT A/N: 456014	D2192				
VESSEL, PV-13034/13036, PRODUCT DISCHARGE SYSTEM 2B, HEIGHT: 14 FT ; DIAMETER: 4 FT A/N: 456014	D2193				
REACTOR, PV-13003, HEIGHT: 110 FT ; DIAMETER: 23 FT A/N: 456014	D2194				C12.1, D12.3
System 3: RESIN DEGASSING UNIT (INCLUDING HEAT EXCHANGERS)					S15.1
FILTER, FL-13007, PRODUCT FILTER A/N: 448818	D2195				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
 - (3) Denotes RECLAIM concentration limit
 - (5) (5A) (5B) Denotes command and control emission limit
 - (7) Denotes NSR applicability limit
 - (9) See App B for Emission Limits
 - (2) (2A) (2B) Denotes RECLAIM emission rate
 - (4) Denotes BACT emission limit
 - (6) Denotes air toxic control rule limit
 - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
FEEDER, FD-13029, PRODUCT FEEDER A/N: 448818	D2196				
VESSEL, PV-13016/13017, PRODUCT, HEIGHT: 130 FT ; DIAMETER: 21 FT WITH A/N: 448818	D2197	C2289			
FEEDER, FD-13028, PRODUCT FEEDER	D2198				
System 4: POLYMER BLENDING UNIT(Including Heat Exchangers & Pumps)					
BLENDER, BD-21013, BLENDER A/N: 374095	D2199	C2292			D323.1
FEEDER, FD-21014, FEEDER WITH A/N: 374095	D2202				D323.1
BIN, SURGE, 120 CU.FT.	D2203				
HOPPER, BN-21009, MIXER FEED HOPPER A/N: 374095	D2206	C2294			D323.1
TANK, PV-21003, PEROXIDE ADDITIVE TANK, HEIGHT: 3 FT 4 IN; DIAMETER: 1 FT 10 IN A/N: 374095	D2208				
FILTER, FL-21056, PEROXIDE ADDITIVE SYSTEM NITROGEN FILTER A/N: 374095	D2426				
System 5: PLASTIC EXTRUSION UNIT(Including Heat Exchangers & Pumps)					S15.1
BLOWER, BL-21402, PELLET DRYER BLOWER A/N: 448819	D2212				D323.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
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- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
BLOWER, BL-22400, PELLET BLENDING/LOADING, ROTARY A/N: 448819	D2214				D323.1
BLOWER, BL-22401, PELLET BLENDING/LOADING, ROTARY A/N: 448819	D2215				D323.1
BLOWER, BL-21403, PELLET TRANSFER A/N: 448819	D2218				D323.1
BLOWER, BL-21404, PELLET TRANSFER A/N: 448819	D2219				D323.1
SCREEN, CLASSIFYING, SC-21427, PELLET CLASSIFIER A/N: 448819	D2220				D323.1
SCREEN, CLASSIFYING, SC-21429, FINISHING AREA SUMP DEWATERING SCREEN A/N: 448819	D2222				
DRYER, DR-21424, PELLET DRYER A/N: 448819	D2223	C2295			D323.1
EXTRUDER, ET-21007, INTENSIVE MIXER A/N: 448819	D2224				D323.1
FEEDER, FD-21426, SURGE HOPPER ROTARY FEEDER A/N: 448819	D2225				D323.1
FILTER, FL-22412, PELLET BLENDING/ TRANSFER BLOWER FILTER A/N: 448819	D2228				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
 - (3) Denotes RECLAIM concentration limit
 - (5) (5A) (5B) Denotes command and control emission limit
 - (7) Denotes NSR applicability limit
 - (9) See App B for Emission Limits
 - (2) (2A) (2B) Denotes RECLAIM emission rate
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 - (6) Denotes air toxic control rule limit
 - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
FILTER, FL-22413, PELLET BLENDING/ TRANSFER BLOWER FILTER A/N: 448819	D2229				
FILTER, FL-21406, PELLET TRANSFER BLOWER INLET FILTER A/N: 448819	D2232				
FILTER, FL-21407, PELLET TRANSFER BLOWER INLET FILTER A/N: 448819	D2233				
TANK, TK-21409, PELLET WATER TANK, WIDTH: 9 FT ; HEIGHT: 11 FT ; LENGTH: 19 FT A/N: 448819	D2235				
TANK, TK-21412, FINISHING AREA WATER SUMP, WIDTH: 19 FT ; HEIGHT: 12 FT ; LENGTH: 9 FT 6 IN A/N: 448819	D2236				
VESSEL, PV-21413, TEMPERED WATER DRUM, HEIGHT: 6 FT ; DIAMETER: 2 FT A/N: 448819	D2237				
BLOWER, BL-22450, SILO PURGE AIR FAN NORTH A/N: 448819	D2428				
BLOWER, BL-22451, SILO PURGE AIR FAN MIDDLE A/N: 448819	D2429				
BLOWER, BL-22452, SILO PURGE AIR FAN SOUTH A/N: 448819	D2430				

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements

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FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
FILTER, FL-21425, PELLET TRANSFER BLOWER DISCHARGE FILTER A/N: 448819	D2431				
FILTER, FL-22442, LOAD OUT BLOWER DISCHARGE FILTER A/N: 448819	D2432				
FILTER, FL-22443, BLENDING/TRANSFER BLOWER DISCHARGE FILTER NORTH A/N: 448819	D2433				
FILTER, FL-22444, BLENDING/TRANSFER BLOWER DISCHARGE FILTER SOUTH A/N: 448819	D2434				
EJECTOR, EJ-21400, INTENSIVE MIXER VENT EJECTOR A/N: 448819	D2443	C2290		VOC: RESIN (5) [RULE 1141, 11-17-2000]	
System 6: VENT RECOVERY UNIT (Including Heat Exchangers & Pumps)					S15.1
COMPRESSOR, CO-12001, VENT RECOVERY COMPRESSOR SYSTEM A/N: 448820	D2239	C2290		VOC: RESIN (5) [RULE 1141, 11-17-2000]	E193.1
FILTER, FL-13005, REACTOR CYCLE GAS VENT GUARD FILTER A/N: 448820	D2240				
FILTER, FL-12002, VENT RECOVERY COMPRESSOR SUCTION FILTER A/N: 448820	D2241				
TANK, PV-12003, RECOVERY TANK, HEIGHT: 16 FT 3 IN; DIAMETER: 6 FT 6 IN A/N: 448820	D2242				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

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Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
TANK, PV-12006, RECOVERY TANK, HEIGHT: 36 FT 9 IN; DIAMETER: 14 FT A/N: 448820	D2243				
TANK, PV-12007, RECOVERY TANK, HEIGHT: 14 FT ; DIAMETER: 4 FT 6 IN A/N: 448820	D2244				
VESSEL, PV-12004, VENT SEPARATOR, HEIGHT: 10 FT ; DIAMETER: 3 FT 6 IN A/N: 448820	D2245				
VESSEL, PV-12005, VENT SEPARATOR, HEIGHT: 10 FT ; DIAMETER: 4 FT A/N: 448820	D2246				
VESSEL, PV-13015, VENT SEPARATOR, HEIGHT: 18 FT ; DIAMETER: 4 FT A/N: 448820	D2247	C2290		VOC: RESIN (5) [RULE 1141, 11-17-2000]	
VESSEL, PV-12012, RECOVERY DRUM, HEIGHT: 12 FT ; DIAMETER: 4 FT 6 IN A/N: 448820	D2248				
HEAT EXCHANGER, EX-12010, VENT RECOVERY REFRIGERATION INTERCHANGER A/N: 448820	D2442	C2290		VOC: RESIN (5) [RULE 1141, 11-17-2000]	
System 7: POLYPROPYLENE HOPPER CAR LOADING & HOPPER CAR WASH					
BLOWER, BL-22402, ELUTRIATOR WASH AIR FAN A/N: 374077	D2249				D323.1

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

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FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
BLOWER, BL-22411, LOAD OUT TRANSFER A/N: 374077	D2253				D323.1
BLOWER, BL-23400, HOPPER CAR WASH UNLOADING BLOWER, 775 CU.FT./MIN A/N: 374077	D2255	C2306			D323.1
BLOWER, BL-23401, HOPPER CAR WASH DRYING FAN, 13270 CU.FT./MIN A/N: 374077	D2256				D323.1
FEEDER, FD-22440, ELUTRIATOR ROTARY FEEDER, 150000 LBS/HR A/N: 374077	D2257				D323.1
FEEDER, FD-22446, ELUTRIATOR/LOAD OUT VENT FILTER ROTARY FEEDER A/N: 374077	D2259				D323.1
FILTER, FL-22409, ELUTRIATOR WASH AIR FAN FILTER A/N: 374077	D2263				D323.1
FILTER, FL-23402, HOPPER CAR WASH UNLOADING BLOWER GUARD FILTER, 775 ACFM A/N: 374077	D2267				D323.1
FILTER, FL-23403, HOPPER CAR WASH DRYING FAN FILTER, 13270 ACFM A/N: 374077	D2268				D323.1
FILTER, FL-22429, LOAD OUT TRANSFER BLOWER FILTER A/N: 374077	D2269				D323.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
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- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
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- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
TANK, TK-23407, HOPPER CAR WASH WATER SUMP, WIDTH: 6 FT ; HEIGHT: 10 FT ; LENGTH: 14 FT A/N: 374077	D2271				D323.1
VESSEL, EL-22427, ELUTRIATOR, 150,000 LBS/HR A/N: 374077	D2274	C2302			D323.1
BLOWER, BL-22445, ELUTRIATOR/ LOAD OUT VENT FILTER FAN A/N: 374077	D2435				D323.1
System 8: STORAGE SILOS					
STORAGE SILO, BN-22421, PELLET BLENDING SILO, HEIGHT: 54 FT ; DIAMETER: 18 FT WITH A/N: 374099	D2277	C2296			D323.1
FEEDER, FD-22433, BLENDING SILO ROTARY FEEDER, 150, 000 LB/HR	D2278				
STORAGE SILO, BN-22422, PELLET BLENDING SILO, HEIGHT: 54 FT ; DIAMETER: 18 FT WITH A/N: 374100	D2279	C2296			D323.1
FEEDER, FD-22434, BLENDING SILO ROTARY FEEDER, 150, 000 LB/HR	D2280				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
 - (3) Denotes RECLAIM concentration limit
 - (5) (5A) (5B) Denotes command and control emission limit
 - (7) Denotes NSR applicability limit
 - (9) See App B for Emission Limits
 - (2) (2A) (2B) Denotes RECLAIM emission rate
 - (4) Denotes BACT emission limit
 - (6) Denotes air toxic control rule limit
 - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
STORAGE SILO, BN-22423, PELLET BLENDING SILO, HEIGHT: 54 FT ; DIAMETER: 18 FT WITH A/N: 374101	D2281	C2299			D323.1
FEEDER, FD-22435, BLENDING SILO ROTARY FEEDER, 150, 000 LB/HR	D2282				
STORAGE SILO, BN-22424, PELLET BLENDING SILO, HEIGHT: 54 FT ; DIAMETER: 18 FT WITH A/N: 374102	D2283	C2299			D323.1
FEEDER, FD-22436, BLENDING SILO ROTARY FEEDER, 150, 000 LB/HR	D2284				
System 9: AIR POLLUTION CONTROL(APC) SERVING RESIN DEGASSING UNIT					S15.1
BAGHOUSE, FL-13006, PRODUCT PURGE BIN FILTER, 775 ACFM, 134 SQ.FT. A/N: 377742	C2289	D2197 C2290		PM: (9) [RULE 404, 2-7-1986]	C6.1, D322.2, E102.1, K67.1
OXIDIZER, THERMAL, TO-41416, WITH 110 FEET STACK HEIGHT, 13 MMBTU/HR A/N: 456013	C2290	D2173 D2174 D2178 D2184 D2188 D2189 D2239 D2247 C2289 D2424 D2442 D2443	NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 40 PPMV NATURAL GAS (3) [RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A63.9, A72.1, B59.2, C1.1, C8.1, D12.4, D28.1, E193.3
BLOWER, BL-41435, THERMAL OXIDIZER COMBUSTION AIR BLOWER A, 5800 CU.FT./MIN A/N: 456013	D2436				

- | | |
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| <ul style="list-style-type: none"> * (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
|--|--|

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FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
BLOWER, BL-41436, THERMAL OXIDIZER COMBUSTION AIR BLOWER B, 5800 CU.FT./MIN A/N: 456013	D2437				
VESSEL, PV-41433, THERMAL OXIDIZER SEAL POT, HEIGHT: 8 FT ; DIAMETER: 4 FT 6 IN A/N: 456013	D2438				
VESSEL, PV-41472, LOW TEMPERATURE FLARE SURGE DRUM, LENGTH: 20 FT ; DIAMETER: 10 FT A/N: 456013	D2466				
PUMP, LOW TEMPERATURE FLARE DRUM PUMP OUT PUMP PU-41473, WITH DOUBLE MECHANICAL SEALS A/N: 456013	D2467				
VESSEL, PV-41437, LOW TEMPERATURE FLARE HEADER K.O. DRUM, HEIGHT: 12 FT ; DIAMETER: 8 FT A/N: 456013	D2439				
VESSEL, PV-41441, THERMAL OXIDIZER FEED K.O. DRUM, HEIGHT: 6 FT ; DIAMETER: 4 FT 6 IN A/N: 456013	D2440				
System 10: AIR POLLUTION CONTROL SERVING POLYMER BLENDING UNIT					

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits
 (2) (2A) (2B) Denotes RECLAIM emission rate
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FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process I: POLYPROPYLENE MANUFACTURING PLANT					P46.1
BAGHOUSE, BN-21016, INTENSIVE MIXER ADDITIVE BAG DUMP STATION, 162 SQ.FT. WITH A/N: 518697 BLOWER, BL-21024, SOLID ADDITIVE BAG DUMP STATION FAN, 1220 CU.FT./MIN	C2292	D2199		PM: (9) [RULE 404, 2-7-1986]	A63.4, C1.3, C6.3, D28.7, D322.1, D381.1, E102.1, K40.1, K67.1
BAGHOUSE, FL-21001, MIXER HOPPER VENT FILTER, 247 ACFM, 89 SQ.FT. A/N: 377749	C2294	D2206		PM: (9) [RULE 404, 2-7-1986]	A63.3, C6.1, D28.8, D322.1, D381.1, E102.1, K40.1, K67.1
System 11: AIR POLLUTION CONTROL SERVING RESIN EXTRUSION UNIT					
SCRUBBER, CYCLONE SCRUBBER, SR-21411, PELLET DRYER VENT GAS, 8650 CFM, HEIGHT: 9 FT 1 IN; DIAMETER: 4 FT 6 IN A/N: 377744	C2295	D2223			A63.1, C8.2, D28.6, K40.1
System 12: AIR POLLUTION CONTROL SERVING STORAGE SILOS					

- * (1) (1A) (1B) Denotes RECLAIM emission factor
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 - (5) (5A) (5B) Denotes command and control emission limit
 - (7) Denotes NSR applicability limit
 - (9) See App B for Emission Limits
 - (2) (2A) (2B) Denotes RECLAIM emission rate
 - (4) Denotes BACT emission limit
 - (6) Denotes air toxic control rule limit
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FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
BAGHOUSE, FL-22417, PELLET SILO VENT FILTER WEST, 2190 SQ.FT. WITH A/N: 377745 BLOWER, BL-22408, BLENDING SILO VENT FILTER FAN WEST, 9150 CU.FT./MIN FEEDER, FD-22441, BLENDING SILO VENT FILTER ROTARY FEEDER WEST	C2296 D2297 D2298	D2277 D2279		PM: (9) [RULE 404, 2-7-1986]	A63.2, C6.1, D28.3, D322.1, D381.1, E102.1, K40.1, K67.1
BAGHOUSE, FL-22416, PELLET SILO VENT FILTER EAST, 2190 SQ.FT. WITH A/N: 377746 BLOWER, BL-22407, BLENDING SILO VENT FILTER FAN EAST, 9150 CU.FT./MIN FEEDER, FD-22439, BLENDING SILO VENT FILTER ROTARY FEEDER EAST	C2299 D2300 D2301	D2281 D2283		PM: (9) [RULE 404, 2-7-1986]	A63.2, C6.1, D28.3, D322.1, D381.1, E102.1, K40.1, K67.1
System 13: APC Serving Polypropylene Hopper Car Loading & Hopper Car Wash					

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 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
BAGHOUSE, FL-22418, ELUTRIATOR/LOAD OUT VENT FILTER, 17200 SCFM, 3500 SQ.FT. A/N: 377747	C2302	D2274		PM: (9) [RULE 404, 2-7-1986]	A63.5, C1.2, C6.1, D28.4, D322.1, D381.1, E102.1, K40.1, K67.1
BAGHOUSE, FL-23404, HOPPER CAR WASH UNLOADING FILTER, 775 ACFM, 181 SQ.FT. A/N: 377748	C2306	D2255		PM: (9) [RULE 404, 2-7-1986]	A63.6, C1.4, C6.1, D28.5, D322.1, D381.1, E102.1, K40.1, K67.1
System 14: PELLET PACKAGING SYSTEM					
CYCLONE, CYCLONE COLLECTOR, HEIGHT: 14 FT 10 IN; DIAMETER: 3 FT WITH A/N: 420579	D2461	C2452		PM: (9) [RULE 405, 2-7-1986]	
BLOWER, BL-01 PRESSURE BLOWER, 60 HP, 1016 CU.FT./MIN	D2448				
BLOWER, BL-06 VACUUM BLOWER, 100 HP, 1184 CU.FT./MIN	D2449				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
 - (3) Denotes RECLAIM concentration limit
 - (5) (5A) (5B) Denotes command and control emission limit
 - (7) Denotes NSR applicability limit
 - (9) See App B for Emission Limits
 - (2) (2A) (2B) Denotes RECLAIM emission rate
 - (4) Denotes BACT emission limit
 - (6) Denotes air toxic control rule limit
 - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
HOPPER, SURGE, BN-21 BAGGING PACKER SURGE HOPPER WITH A/N: 420579	D2451	C2453		PM: (9) [RULE 405, 2-7-1986]	
HOPPER, PK-15, BAG PACKER NO. 1	D2462				
HOPPER, PK-16, BAG PACKER NO. 2	D2463				
HOPPER, PK-17, BAG PACKER NO. 3	D2464				
HOPPER, BN-24 SUPER SACK/BOXING HOPPER, 341 CU. FT. A/N: 420579	D2458	C2454		PM: (9) [RULE 405, 2-7-1986]	D323.1
System 15: APC SERVING THE PELLET PACKAGING SYSTEM					
BAGHOUSE, FL-07, SERVING THE CYCLONE COLLECTOR, CARTRIDGE FILTER, MAC, MODEL 39FR TC14, 1184 SCFM, 552 SQ.FT.; 14 CARTRIDGE A/N: 420578	C2452	D2461		PM: (9) [RULE 404, 2-7-1986]	A63.7, C6.2, D28.2, D322.1, D381.1, E102.1, K40.1, K67.1
BAGHOUSE, FL-22, SERVING THE BAGGING PACKER SURGE HOPPER, CARTRIDGE FILTER, MAC, MODEL 39FSBC16-111, 1016 SCFM, 630 SQ.FT.; 16 CARTRIDGE A/N: 427070	C2453	D2451		PM: (9) [RULE 404, 2-7-1986]	A63.8, C6.2, D28.2, D322.1, D381.1, E102.1, K40.1, K67.1

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
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 (2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
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 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 1: POLYPROPYLENE MANUFACTURING PLANT					P46.1
BAGHOUSE, FL-24, SERVING THE BOXING HOPPER, CARTRIDGE FILTER, MAC, MODEL 39FSBC16-111, 1016 SCFM, 630 SQ.FT.; 16 CARTRIDGE A/N: 427069	C2454	D2458		PM: (9) [RULE 404, 2-7-1986]	A63.8, C6.2, D28.2, D322.1, D381.1, E102.1, K40.1, K67.1
System 20: Rule 219 Exempt Equipment					
RULE 219 EXEMPT EQUIPMENT, MISCELLANEOUS VOC SOURCES	E2472			VOC: (5) [RULE 109, 5-2-2003; RULE 1113, 7-9-2004; RULE 1113, 6-9-2006; RULE 1113, 7-13-2007; RULE 1113, 6-3-2011; RULE 1122, 10-1-2004; RULE 1122, 5-1-2009]	
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING	E2473			PM: (5) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985]	

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE
INEOS POLYPROPYLENE LLC**

SECTION D: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

**FACILITY PERMIT TO OPERATE
 INEOS POLYPROPYLENE LLC
 SECTION D: DEVICE ID INDEX**

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D2169	1	1	1
D2170	1	1	1
D2171	1	1	1
D2172	1	1	1
D2173	1	1	1
D2174	1	1	1
D2175	1	1	1
D2176	1	1	1
D2177	2	1	1
D2178	2	1	1
D2179	2	1	1
D2180	2	1	1
D2181	2	1	1
D2182	2	1	1
D2183	2	1	1
D2184	3	1	2
D2185	3	1	2
D2186	3	1	2
D2187	4	1	2
D2188	4	1	2
D2189	4	1	2
D2190	4	1	2
D2191	4	1	2
D2192	4	1	2
D2193	4	1	2
D2194	4	1	2
D2195	4	1	3
D2196	5	1	3
D2197	5	1	3
D2198	5	1	3
D2199	5	1	4
D2202	5	1	4
D2203	5	1	4
D2206	5	1	4

**FACILITY PERMIT TO OPERATE
 INEOS POLYPROPYLENE LLC
 SECTION D: DEVICE ID INDEX**

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D2208	5	1	4
D2212	5	1	5
D2214	6	1	5
D2215	6	1	5
D2218	6	1	5
D2219	6	1	5
D2220	6	1	5
D2222	6	1	5
D2223	6	1	5
D2224	6	1	5
D2225	6	1	5
D2228	6	1	5
D2229	7	1	5
D2232	7	1	5
D2233	7	1	5
D2235	7	1	5
D2236	7	1	5
D2237	7	1	5
D2239	8	1	6
D2240	8	1	6
D2241	8	1	6
D2242	8	1	6
D2243	9	1	6
D2244	9	1	6
D2245	9	1	6
D2246	9	1	6
D2247	9	1	6
D2248	9	1	6
D2249	9	1	7
D2253	10	1	7
D2255	10	1	7
D2256	10	1	7
D2257	10	1	7
D2259	10	1	7
D2263	10	1	7

**FACILITY PERMIT TO OPERATE
 INEOS POLYPROPYLENE LLC
 SECTION D: DEVICE ID INDEX**

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D2268	10	1	7
D2269	10	1	7
D2271	11	1	7
D2274	11	1	7
D2277	11	1	8
D2278	11	1	8
D2279	11	1	8
D2280	11	1	8
D2281	12	1	8
D2282	12	1	8
D2283	12	1	8
D2284	12	1	8
C2289	12	1	9
C2290	12	1	9
C2292	14	1	10
C2294	14	1	10
C2295	14	1	11
C2296	15	1	12
D2297	15	1	12
D2298	15	1	12
C2299	15	1	12
D2300	15	1	12
D2301	15	1	12
C2302	16	1	13
C2306	16	1	13
D2328	2	1	1
D2419	2	1	1
D2420	3	1	1
D2421	3	1	1
D2422	3	1	1
D2423	3	1	1
D2424	3	1	1
D2426	5	1	4
D2428	7	1	5

**FACILITY PERMIT TO OPERATE
 INEOS POLYPROPYLENE LLC
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
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D2430	7	1	5
D2431	8	1	5
D2432	8	1	5
D2433	8	1	5
D2434	8	1	5
D2435	11	1	7
D2436	12	1	9
D2437	13	1	9
D2438	13	1	9
D2439	13	1	9
D2440	13	1	9
D2442	9	1	6
D2443	8	1	5
D2448	16	1	14
D2449	16	1	14
D2451	17	1	14
C2452	17	1	15
C2453	17	1	15
C2454	18	1	15
D2458	17	1	14
D2459	3	1	1
D2460	3	1	1
D2461	16	1	14
D2462	17	1	14
D2463	17	1	14
D2464	17	1	14
D2466	13	1	9
D2467	13	1	9
E2472	18	1	20
E2473	18	1	20

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

- F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
- (a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or
 - (b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

PROCESS CONDITIONS

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

- P46.1 The following conditions shall apply to VOC service fugitive components from this process:
All components are subject to 40CFR60, Subpart DDD.
All new valves greater than 2-inch size and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173, shall be distinctly identified from other components through their tag numbers (e.g. numbers ending in the letter "N"), and shall be noted in the records.
All valves in VOC service as defined in Rule 1173, except those specifically exempted by Rule 1173, shall be bellow-sealed valves for 2-inch and smaller sizes, except in the following applications
heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g. drain valves with valve stems in horizontal position), and retrofits with space limitations.
All components are subject to District Rule 1173 and 40CFR60, Subpart GGG.
All new components in VOC service with a leak greater than 500 ppm but less than 1,000 ppm, as methane, measured above background using EPA Method 21, shall be repaired within 14 days of detection. A leak greater than 1,000 ppm shall be repaired according to Rule 1173.
All new pressure relief valves shall be connected to closed vent system or equipped with rupture disc.
All new sampling connections shall be closed-purge, closed-loop, or closed-vent system.

[RULE 1173, 5-13-1994; RULE 1173, 6-1-2007; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; 40CFR 60 Subpart DDD, 10-4-1991; 40CFR 60 Subpart GGG, 6-7-1985]

[Processes subject to this condition : 1]

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

SYSTEM CONDITIONS

S1.1 The operator shall limit the production rate to no more than 24955 metric ton(s) in any one month.

For the purpose of this condition, production rate shall be defined as polypropylene pellet production rate.

The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition : Process 1, System 2]

S15.1 The vent gases from all affected devices of this process/system shall be vented as follows:

All emergency, start-up, shutdown, and process upset vent gases shall be directed to a blowdown flare system, which is in full use and has a valid permit to receive vent gases from this system.

[RULE 1303(a)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition : Process 1, System 1 , 2 , 3 , 5 , 6 , 9]

DEVICE CONDITIONS

A. Emission Limits

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
PM10	Less than or equal to 1.82 LBS PER DAY

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2295]

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
PM10	Less than or equal to 1.2 LBS PER DAY

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2296, C2299]

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
PM10	Less than or equal to 0.24 LBS PER DAY

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2294]

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

A63.4 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
PM10	Less than or equal to 0.35 LBS PER DAY

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2292]

A63.5 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
PM10	Less than or equal to 0.4 LBS PER DAY

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2302]

A63.6 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
PM10	Less than or equal to 0.05 LBS PER DAY

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2306]

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

A63.7 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
PM10	Less than or equal to 0.138 LBS PER DAY

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2452]

A63.8 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
PM10	Less than or equal to 0.120 LBS PER DAY

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2453, C2454]

A63.9 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 422 LBS IN ANY 30-DAY PERIOD
PM10	Less than or equal to 255 LBS IN ANY 30-DAY PERIOD
ROG	Less than or equal to 1483 LBS IN ANY 30-DAY PERIOD

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The operator shall calculate the emission limit(s) of VOC for compliance determination purposes as follows; VOC emissions equation: Sum of (total process vent flow x VOC emissions factor for each case x fraction of time in each operating mode) = lbs of VOC to thermal Oxidizer. Lbs of VOC x 0.01 (Destruction Factor) = VOC emissions. The emission factors are as follows: Normal F1 = 0.0323; Reactor Transition F2 = 0.0434; C3 Regen F3 = 0.0264. The total process vent flow shall be determined based on the parameters measured under condition D12.4.

The operator shall calculate the emission limit(s) of CO for compliance determination purposes as follows; The CO emissions equation: [(Natural gas flow rate lbs/hr) x (3.529) + Sum of (Total process vent flow rate lbs/hr) x (emission factor for each case) x (fraction of time in each operating mode)] x 0.00011 = CO emissions in lbs/hr. The emission factors are as follows: Normal F1 = 0.327; Reactor Transition F2 = 0.455; C3 dryer Regeneration F3 = 0.305. The total process vent flow shall be determined based on the parameters measured under condition D12.4.

The operator shall calculate the emission limit(s) of PM10 emissions for compliance determination purposes as follows; PM10 emissions equation: Selective Catalytic Agent Flow Rate in lbs/hr x 0.1665 = PM10 emissions in lbs/hr. The Selective Catalytic Agent Flow Rate shall be determined based on the parameters measured under condition D12.3.

Where F1 Normal Venting is defined as normal venting, i.e. no transition between polymer type formed in reactor and no regeneration of the feed purification dryers. F2 Transition Venting is defined as venting during transition between types of polymer formed in the reactor. F3 Dryer Regeneration Venting is defined as venting during the regeneration of the feed treating unit dryers.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2290]

A72.1 The operator shall maintain this equipment to achieve a minimum destruction efficiency of 99 percent for ROG during the normal operation of the equipment it vents.

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2290]

B. Material/Fuel Type Limits

B59.1 The operator shall only use the following material(s) in this device :

Originally permitted Catalyst/Additive or the Research Catalyst/Additive evaluated in the Rule 441 Research Project under A/Ns 419457 and 419458.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 9-10-2010]

[Devices subject to this condition : D2187, D2188, D2189]

B59.2 The operator shall only use the following material(s) in this device :

Process Vent Gas with a gross heating value of less than 300 Btu/scf.

[RULE 2011, 1-7-2005]

[Devices subject to this condition : C2290]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the material processed to no more than 148285 lb(s) in any one month.

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

For the purpose of this condition, material processed shall be defined as the hydrocarbon flow rate from the process vent line to the thermal oxidizer, calculated using a District approved algorithm based on the parameters measured under condition D12.4.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2290]

C1.2 The operator shall limit the operating time to no more than 14 hour(s) in any one day.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2302]

C1.3 The operator shall limit the operating time to no more than 12 hour(s) in any one day.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2292]

C1.4 The operator shall limit the operating time to no more than 5 hour(s) in any one day.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2306]

C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 12 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C2289, C2294, C2296, C2299, C2302, C2306]

C6.2 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 6 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C2452, C2453, C2454]

C6.3 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 12 inches water column.

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags.

The operator shall install and maintain a device to continuously record the parameter being measured.

The operator shall calculate the differential pressure as an average over 15 consecutive minutes which shall not exceed 12 inches water column when in use.

The operator shall maintain records in a manner approved by the District to ensure compliance with this condition.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C2292]

- C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature in the combustion chamber. The operator shall also install and maintain a device to continuously record the parameter being measured.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2290]

- C8.2 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 15 gpm.

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the water being supplied to the cyclone scrubber.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : C2295]

- C12.1 The operator shall use this equipment in such a manner that the amount of propylene recovered from the reactor during plant shutdown and sent back to contiguous Carson Refinery being monitored as indicated below is greater than or equal to 67,897 pounds.

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The operator shall install and maintain a flowmeter to accurately indicate the:

1. amount of propylene recovered from the reactor during plant shutdown

and sent back to contiguous Carson Refinery. In addition, the operator shall keep records, in a manner approved by the District, for this parameter.

The maximum amount of propylene shall be recovered from the reactor at a minimum pressure of 250 psig during shutdown prior to venting to Flare No. 5 at the contiguous Carson Refinery.

The operator shall calculate the propylene recovered for compliance determination purposes as follows: Recovered Propylene = $104,457 - (22,343 \text{ Cubic feet} \times \text{Reactor vapor density} \times \text{Weight proportion of propylene in reactor})$

For the purpose of this permit, the contiguous Carson Refinery is the Refinery owned by Tesoro or subsequent owner

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D2194]

D. Monitoring/Testing Requirements

D12.3 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the Selective Catalytic Agent going to the reactor.

The operator shall also install and maintain a device to continuously record the parameter being measured.

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D2194]

D12.4 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the flow rate from the process vent line to the thermal oxidizer using a District approved GC analyzer and flow meter or other District approved method.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2290]

D28.1 The operator shall conduct source test(s) in accordance with the following specifications:

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted once every three years.

The test shall be conducted when the Plastic Extrusion Unit is operating at least at 80 percent of its maximum rated capacity.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to determine the CO emissions at the outlet.

The test shall be conducted to determine the solid PM emissions at the outlet.

The test shall be conducted to determine the PM10 emissions at the outlet.

The test shall be conducted to determine the oxygen concentration at the outlet.

The test shall be conducted to determine the VOC emissions at the inlet and outlet.

The test shall be conducted to determine the flow rate at the inlet and outlet.

The test shall be conducted for the determination of the VOC control efficiency of the thermal oxidizer.

The test shall be conducted such that plant operating data including flow rate of propylene feed, prepared catalyst, and Selective Catalyst Agent and the production rate of polypropylene powder or pellets shall be recorded and included in the final test report. Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]

[Devices subject to this condition : C2290]

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D28.2 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted at least once every three years.

The test shall be conducted to determine the flow rate at the outlet.

The test shall be conducted to determine the solid PM emissions at the outlet.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to determine the PM10 emissions at the outlet.

Source test shall be conducted when this equipment is operating at least 80 percent of the maximum rated capacity.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C2452, C2453, C2454]

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted to determine the PM10 emissions at the outlet.

The test shall be conducted to determine the solid PM emissions at the outlet.

The test shall be conducted to determine the flow rate at the outlet.

The test shall be conducted when the Plastic Extrusion Unit is operating at least at 80 percent of its maximum rated capacity. During testing, the rotary feeders serving the storage silos which are being vented to this device (feeding materials to the silos and blending materials in the silos), shall be operating at least at 80% of their maximum rated capacity.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted at least annually.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C2296, C2299]

D28.4 The operator shall conduct source test(s) in accordance with the following specifications:

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted to determine the PM10 emissions at the outlet.

The test shall be conducted to determine the solid PM emissions at the outlet.

The test shall be conducted to determine the flow rate at the outlet.

The test shall be conducted when the Elutriator is operating at least at 80 percent of its maximum rated capacity.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted at least annually.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C2302]

D28.5 The operator shall conduct source test(s) in accordance with the following specifications:

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted to determine the PM10 emissions at the outlet.

The test shall be conducted to determine the solid PM emissions at the outlet.

The test shall be conducted to determine the flow rate at the outlet.

The test shall be conducted when the Hopper Car Wash is operating at least at 80 percent of its maximum rated capacity.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted at least annually.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C2306]

D28.6 The operator shall conduct source test(s) in accordance with the following specifications:

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted to determine the PM10 emissions at the outlet.

The test shall be conducted to determine the solid PM emissions at the outlet.

The test shall be conducted to determine the flow rate at the outlet.

The test shall be conducted when the Plastic Extrusion Unit and the Pellet Dryer are operating at least at 80 percent of their maximum rated capacities.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted at least annually.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C2295]

D28.7 The operator shall conduct source test(s) in accordance with the following specifications:

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted to determine the PM10 emissions at the outlet.

The test shall be conducted to determine the solid PM emissions at the outlet.

The test shall be conducted to determine the flow rate at the outlet.

The test shall be conducted when the additive batch being made is at least 8,000 lbs (80% of the maximum batch size of 10,000 lbs).

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted at least annually.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C2292]

D28.8 The operator shall conduct source test(s) in accordance with the following specifications:

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted to determine the PM10 emissions at the outlet.

The test shall be conducted to determine the solid PM emissions at the outlet.

The test shall be conducted to determine the flow rate at the outlet.

The test shall be conducted when the Plastic Extrusion Unit is operating at least at 80 percent of its maximum rated capacity.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted at least annually.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C2294]

D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : C2292, C2294, C2296, C2299, C2302, C2306, C2452, C2453, C2454]

D322.2 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media. If the equipment is in service during the entire year and thus not available for inspection, then inspection shall be conducted during the earliest scheduled turnaround for the affected equipment.

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : C2289]

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D2199, D2202, D2206, D2212, D2214, D2215, D2218, D2219, D2220, D2223, D2224, D2225, D2249, D2253, D2255, D2256, D2257, D2259, D2263, D2267, D2268, D2269, D2271, D2274, D2277, D2279, D2281, D2283, D2435, D2458]

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : C2292, C2294, C2296, C2299, C2302, C2306, C2452, C2453, C2454]

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

E. Equipment Operation/Construction Requirements

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C2289, C2292, C2294, C2296, C2299, C2302, C2306, C2452, C2453, C2454]

E193.1 The operator shall operate and maintain this equipment according to the following requirements:

The operator shall vent the distance piece of this equipment to the suction side of the vent recovery compressor during normal operation.

The operator shall vent the nitrogen purge from the crank case of this equipment to the contiguous Carson Refinery's Vapor Recovery System identified as System 4 of Process 21 of the contiguous Carson Refinery's Facility Permit during normal operation.

For the purpose of this permit, the contiguous Carson Refinery is the Refinery owned by Tesoro or subsequent owner

[RULE 1303(a)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D2239]

E193.3 The operator shall operate and maintain this equipment according to the following requirements:

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The combustion chamber temperature shall be maintained at a minimum of 1,400 degrees Fahrenheit whenever the equipment it serves is in operation.

The operator shall operate and maintain a temperature measuring and recording system to continuously measure and record the combustion chamber temperature pursuant to the operation and maintenance requirements specified in 40 CFR part 64.7.

The temperature measuring and recording system shall have an accuracy of within 1% of the temperature being monitored and shall be inspected and maintained on an annual basis, and calibrated once every 18 months in accordance with the manufacturer's specifications using an applicable AQMD or EPA approved method.

For the purpose of this condition, a deviation shall be defined as when a combustion chamber temperature of less than 1,400 degrees Fahrenheit occurs during normal operation of the equipment it serves. The operator shall review the records of the combustion chamber temperature on a daily basis to determine if a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the combustion chamber temperature at or above 1,400 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective action taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR part 64.9 and condition nos. 22 and 23 in section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations of each semi-annual reporting period specified in condition no. 23 in section K of this permit.

The operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR part 64.8 to the AQMD if an accumulation of deviations

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

exceeds 5 percent of this equipment's total operating time for any semi-annual reporting period specified in condition no. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 days after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

The operator shall keep adequate records in a format that is acceptable to the aqmd to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR part 64.9 for a minimum of five years.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2290]

K. Record Keeping/Reporting

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C2292, C2294, C2295, C2296, C2299, C2302, C2306, C2452, C2453, C2454]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The name of the person performing the inspection and/or maintenance of the filter media

The date, time and results of the inspection

The date, time and description of any maintenance or repairs resulting from the inspection

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : C2289, C2292, C2294, C2296, C2299, C2302, C2306, C2452, C2453, C2454]

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION E: ADMINISTRATIVE CONDITIONS

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
 - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
 - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
 - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION E: ADMINISTRATIVE CONDITIONS

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]
 - a. Three years for a facility not subject to Title V; or
 - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
 - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
 - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
 - c. For a large NO_x source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
 - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes. [204]

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION E: ADMINISTRATIVE CONDITIONS

- e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compound which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
- f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent carbon dioxide (CO₂) at standard conditions and averaged over 15 consecutive minutes. [409]
- g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulation, except those listed in Table 1 of Rule 2001 for NO_x RECLAIM sources and Table 2 of Rule 2001 for SO_x RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO_x or SO_x emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO_x or SO_x source, respectively. [2001]
9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
 - a. Brief description of the equipment tested.

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SECTION E: ADMINISTRATIVE CONDITIONS

- b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
 - f. Description of calibration and quality assurance procedures.
 - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).
10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
- a. The results of the source test.
 - b. Brief description of the equipment tested.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Field and laboratory data forms, strip charts and analyses.

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SECTION E: ADMINISTRATIVE CONDITIONS

- f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
- 11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]
- 12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

I. NO_x Monitoring Conditions

A. The Operator of a NO_x Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

B. The Operator of a NO_x large Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter and any device specified by the Executive Officer as necessary to determine monthly fuel usage or other applicable variables specified in Rule 2012, Appendix A, Table 3-A. The sharing of totalizing fuel meter may be allowed by the Executive Officer if the fuel meter serves large sources which have the same emission factor, concentration limit, or emission rate. The sharing of totalizing fuel meters shall not be allowed for large sources which are required to comply with an annual heat input limit. [2012]
2. Comply at all times with the specified NO_x concentration limit in PPM measured over any continuous 60 minutes for that source or establish an equipment-specific emission rate that is reliable, accurate, representative of that sources emissions, and in accordance with the requirements specified in Rule 2012, Appendix A, Chapter 5. [2012]

C. The Operator of a NO_x Process Unit, as defined in Rule 2012, shall, as applicable:

Not Applicable

II. NO_x Source Testing and Tune-up conditions

1. The operator shall conduct all required NO_x source testing in compliance with an AQMD-approved source test protocol. [2012]

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

2. The operator shall, as applicable, conduct source tests for every large NO_x source no later than June 30, 1997 and every 3 years thereafter. The source test shall include the determination of NO_x concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]
3. All NO_x large sources and NO_x process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]

III. SO_x monitoring conditions

D. The Operator of a SO_x Major Source, as defined in Rule 2011, shall, as applicable:

Not Applicable

E. The Operator of a SO_x Process Unit, as defined in Rule 2011, shall, as applicable:

Not Applicable

IV. SO_x Source Testing Conditions

Not Applicable

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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

I. Recordkeeping Requirements for all RECLAIM Sources

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to AQMD staff upon request and be maintained for at least:
 - a. Three years after each APEP report is submitted to AQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
 - b. Five years after each APEP report is submitted to AQMD for a facility subject to Title V. [3004(a)(4)(E)]
 - c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

II. Reporting Requirements for all RECLAIM Sources

1. The operator shall submit a quarterly certification of emissions including the facility's total NOx or SOx emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

NOx Reporting Requirements

- A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

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**SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR
RECLAIM SOURCES**

B. The Operator of a NOx Large Source, as defined in Rule 2012, shall:

- 1. Install, maintain and operate a modem or any reporting device approved by the Executive Officer to report, to the AQMD, the total monthly NOx mass emissions from each large NOx source. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. Such data shall be reported within 15 days after the end of each calendar month. [2012]**

C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall:

Not Applicable

SOx Reporting Requirements

D. The Operator of a SOx Major Source, as defined in Rule 2011, shall, as applicable:

Not Applicable

E. The Operator of a SOx Process Unit, as defined in Rule 2011, shall:

Not Applicable

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

NONE

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SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans, with the following exceptions:

- a. The operator does not have to comply with NO_x or SO_x emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) which become effective after December 31, 1993.
- b. The operator does not have to comply with NO_x or SO_x emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) after the facility has received final certification of all monitoring and reporting requirements specified in Section F and Section G.

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

List of approved plans:

Application	Rule
549890	3003

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.

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SECTION K: TITLE V Administration

GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]

(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

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Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
- (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.
 - (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
 - (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
- (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
 - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION K: TITLE V Administration

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
 - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
 - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
 - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]
11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]

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14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
- (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
 - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
 - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
 - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
 - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
 - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency¹ constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
 - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
 - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
 - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
 - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
 - (B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

¹ "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

SECTION K: TITLE V Administration RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
 - (B) The date(s) analyses were performed;
 - (C) The company or entity that performed the analyses;
 - (D) The analytical techniques or methods used;
 - (E) The results of such analyses; and
 - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.

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- (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.
 - (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
 - (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

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- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn:
Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

PERIODIC MONITORING

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the TitleV application file. [3004(a)(4)]

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FACILITY RULES

This facility is subject to the following rules and regulations

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 109	5-2-2003	Federally enforceable
RULE 1113	6-3-2011	Non federally enforceable
RULE 1113	6-9-2006	Non federally enforceable
RULE 1113	7-13-2007	Federally enforceable
RULE 1113	7-9-2004	Non federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1122	5-1-2009	Non federally enforceable
RULE 1140	2-1-1980	Federally enforceable
RULE 1140	8-2-1985	Non federally enforceable
RULE 1141	11-17-2000	Federally enforceable
RULE 1171	2-1-2008	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 1173	5-13-1994	Federally enforceable
RULE 1173	6-1-2007	Non federally enforceable
RULE 1176	9-13-1996	Federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(a)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1401	9-10-2010	Non federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 2011(c)(4) - Super Compliance	5-11-2001	Federally enforceable
RULE 2012	1-7-2005	Federally enforceable
RULE 2012	12-5-2003	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 301	6-1-2012	Non federally enforceable
RULE 304	1-14-1982	Non federally enforceable
RULE 306	6-1-2012	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 403	12-11-1998	Federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 464	12-7-1990	Federally enforceable
RULE 466	10-7-1983	Federally enforceable
RULE 466.1	3-16-1984	Non federally enforceable
RULE 466.1	5-2-1980	Federally enforceable
RULE 467	3-5-1982	Federally enforceable
RULE 480	10-7-1977	Federally enforceable
RULE 481	5-5-1978	Federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 701	6-13-1997	Federally enforceable
40CFR 60 Subpart DDD	10-4-1991	Federally enforceable
40CFR 60 Subpart GGG	6-7-1985	Federally enforceable
40CFR 68 - Accidental Release Prevention	5-24-1996	Federally enforceable

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN PERMIT PURSUANT TO RULE 219

1. ANALYZER, CARBON/HYDROGEN/NITROGEN
2. I.C. ENGINES, DIESEL
3. I.C. ENGINES, GASOLINE

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 404(a)

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445

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APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148

**FACILITY PERMIT TO OPERATE
 INEOS POLYPROPYLENE LLC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 404 02-07-1986]**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 405(a)

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0