

Title V Operation Permit Program

Applicable Requirements Checklist Attachment

Division 238 New Source Performance Standards (40 C.F.R. part 60)				
Applicability		Adopted By DEQ	Subpart	Rule Description
Yes	No			
		Yes	A	General provisions
		Yes	D	Fossil-fuel-fired steam generators for which construction is commenced after August 17, 1971
		Yes	Da	Electric utility steam generating units for which construction is commenced after September 18, 1978
		Yes	Db	Industrial-commercial-institutional steam generating units
		Yes	Dc	Small industrial-commercial-institutional steam generating units
		Yes	E	Incinerators
		Yes	Ea	Municipal waste combustors for which construction is commenced after December 20, 1989 and on or before September 20, 1994
		Yes	Eb	Municipal waste combustors for which construction is commenced after September 20, 1994
		Yes	Ec	Hospital/Medical/Infectious waste incinerators that commenced construction after June 20, 1996, or for which modification is commenced after March 16, 1998
		Yes	F	Portland cement plants
		Yes	G	Nitric acid plants
		Yes	Ga	Nitric acid plants for which construction, reconstruction, or modification commenced after October 14, 2011
		Yes	H	Sulfuric acid plants
		Yes	I	Hot mix asphalt facilities
		Yes	J	Petroleum refineries
		No	Ja	Petroleum refineries for which construction, reconstruction, or modification commenced after May 14, 2007
		Yes	K	Storage vessels for petroleum liquids for which construction, reconstruction, or modification commenced after June 11, 1973, and before May 19, 1978
		Yes	Ka	Storage vessels for petroleum liquids for which construction, reconstruction, or modification commenced after May 18, 1978, and before July 23, 1984
		Yes	Kb	Volatile organic liquid storage vessels (including petroleum liquid storage vessels) for which construction, reconstruction, or modification commenced after July 23, 1984
		Yes	L	Secondary lead smelters
		Yes	M	Secondary brass and bronze production plants
		Yes	N	Primary emissions from basic oxygen process furnaces for which construction is commenced after June 11, 1973
		Yes	Na	Secondary emissions from basic oxygen process steelmaking facilities for which construction is commenced after January 20, 1983
		Yes	O	Sewage treatment plants

**Division 238
 New Source Performance Standards
 (40 C.F.R. part 60)**

Applicability		Adopted By DEQ	Subpart	Rule Description
Yes	No			
		Yes	P	Primary copper smelters
		Yes	Q	Primary zinc smelters
		Yes	R	Primary lead smelters
		Yes	S	Primary aluminum reduction plants
		Yes	T	Phosphate fertilizer industry: wet-process phosphoric acid plants
		Yes	U	Phosphate fertilizer industry: superphosphoric acid plants
		Yes	V	Phosphate fertilizer industry: diammonium phosphate plants
		Yes	W	Phosphate fertilizer industry: triple superphosphate plants
		Yes	X	Phosphate fertilizer industry: granular triple superphosphate storage facilities
		Yes	Y	Coal preparation and processing plants
		Yes	Z	Ferroalloy production facilities
		Yes	AA	Steel plants: electric arc furnaces constructed after October 21, 1974 and on or before August 17, 1983
		Yes	AAa	Steel plants: electric arc furnaces and argon-oxygen decarburization vessels constructed after august 7, 1983
		Yes	BB	Kraft pulp mills
		Yes	BBa	Kraft pulp mill affected sources for which construction, reconstruction, or modification commenced after May 23, 2013
		Yes	CC	Glass manufacturing plants
		Yes	DD	Grain elevators
		Yes	EE	Surface coating of metal furniture
		Yes	GG	Stationary gas turbines
		Yes	HH	Lime manufacturing plants
		Yes	KK	Lead-acid battery manufacturing plants
		Yes	LL	Metallic mineral processing plants
		Yes	MM	Automobile and light-duty truck surface coating operations
		Yes	NN	Phosphate rock plants
		Yes	PP	Ammonium sulfate manufacture
		Yes	QQ	Graphic arts industry: publication rotogravure printing
		Yes	RR	Pressure sensitive tape and label surface coating operations
		Yes	SS	Industrial surface coating: large appliances
		Yes	TT	Metal coil surface coating
		Yes	UU	Asphalt processing and asphalt roofing manufacture
		Yes	VV	Equipment leaks of VOC in the synthetic organic chemicals manufacturing industry for which construction, reconstruction, or modification commenced after January 5, 1981, and on or before November 7, 2006
		Yes	VVa	Equipment leaks of VOC in the synthetic organic chemicals manufacturing industry for which construction, reconstruction, or modification commenced after November 7, 2006
		Yes	WW	Beverage can surface coating industry
		Yes	XX	Bulk gasoline terminals
		Yes	AAA	New residential wood heaters
		Yes	BBB	Rubber tire manufacturing industry
		Yes	DDD	Volatile organic compound (VOC) emissions for the polymer manufacture industry
		Yes	FFF	Flexible vinyl and urethane coating and printing

**Division 238
 New Source Performance Standards
 (40 C.F.R. part 60)**

Applicability		Adopted By DEQ	Subpart	Rule Description
Yes	No			
		Yes	GGG	Equipment leaks of VOC in petroleum refineries for which construction, reconstruction, or modification commenced after January 4, 1983, and on or before November 7, 2006
		Yes	GGGa	Equipment leaks of VOC in petroleum refineries for which construction, reconstruction, or modification commenced after November 7, 2006
		Yes	HHH	Synthetic fiber production facilities
		Yes	III	Volatile organic compound (VOC) emissions from the synthetic organic chemical manufacturing industry (SOCMI) air oxidation unit processes
		Yes	JJJ	Petroleum dry cleaners
		Yes	KKK	Equipment leaks of VOC from onshore natural gas processing plants
		Yes	LLL	Onshore natural gas processing: SO2 emissions
		Yes	NNN	Volatile organic compound (VOC) emissions from synthetic organic chemical manufacturing industry (SOCMI) distillation operations
		Yes	OOO	Nonmetallic mineral processing plants
		Yes	PPP	Wool fiberglass insulation manufacturing plants
		Yes	QQQ	VOC emissions from petroleum refinery wastewater systems
		Yes	RRR	Volatile organic compound emissions from synthetic organic chemical manufacturing industry (SOCMI) reactor processes
		Yes	SSS	Magnetic tape coating facilities
		Yes	TTT	Industrial surface coating: surface coating of plastic parts for business machines
		Yes	UUU	Calciners and dryers in mineral industries
		Yes	VVV	Polymeric coating of supporting substrates facilities
		Yes	WWW	Municipal solid waste landfills, as clarified by OAR 340-238-0100
		Yes	XXX	Municipal solid waste landfills that commenced construction, reconstruction, or modification after July 14, 2014
		Yes	AAAA	Small municipal waste combustion units for which construction is commenced after August 30, 1999 or for which modification or reconstruction is commenced after June 6, 2001
		Yes	CCCC	Commercial and industrial solid waste incineration units for which construction is commenced after November 30, 1999 or for which modification or reconstruction is commenced on or after June 1, 2001
		Yes	EEEE	Other solid waste incineration units for which construction is commenced after December 9, 2004, or for which modification or reconstruction is commenced on or after June 16, 2006
		Yes	IIII	Stationary compression ignition internal combustion engines
		Yes	JJJJ	Stationary spark ignition internal combustion engines
		Yes	KKKK	Stationary combustion turbines
		Yes	LLLL	New sewage sludge incineration units
		Yes	OOOO	Crude oil and natural gas production, transmission, and distribution
		Yes	OOOOa	Crude oil and natural gas facilities for which construction, modification, or reconstruction commenced after September 18, 2015
		No	QQQQ	New residential hydronic heaters and forced air furnace
		Yes	TTTT	Greenhouse gas emissions for electric generating units.

*Standards marked with an asterisk are adopted only for title V major sources

**Standards marked with two asterisks are adopted only for sources required to obtain a title V permit or an ACDP and excludes requirements for engine manufacturers.

Division 244				
Federal Hazardous Air Pollutant Standards				
(40 C.F.R. part 61)				
Applicability		Adopted By DEQ	Subpart	Rule Description
Yes	No			
		Yes	A	General provisions
		No	B	Radon emissions from underground uranium mines
		Yes	C	Beryllium
		Yes	D	Beryllium rocket motor firing
		Yes	E	Mercury
		Yes	F	Vinyl chloride
		No	H	Emissions of radionuclides other than radon from Department of Energy facilities
		No	I	Radionuclide emissions from federal facilities other than Nuclear Regulatory Commission licensees and not covered by subpart H
		Yes	J	Equipment leaks (fugitive emission sources) of benzene
		No	K	Radionuclide emissions from elemental phosphorus plants
		Yes	L	Benzene emissions from coke by-product recovery plants
		No	M	Asbestos
		Yes	N	Inorganic arsenic emissions from glass manufacturing plants
		Yes	O	Inorganic arsenic emissions from primary copper smelters
		Yes	P	Inorganic arsenic emissions from arsenic trioxide and metal arsenic facilities
		No	Q	Radon emissions from Department of Energy facilities
		No	R	Radon emissions from phosphogypsum stacks
		No	T	Radon emissions from the disposal of uranium mill tailings
		Yes	V	Equipment leaks (fugitive emission sources)
		No	W	Radon emissions from operating mill tailings
		Yes	Y	Benzene emissions from benzene storage vessels
		Yes	BB	Benzene emissions from benzene transfer operations
		Yes	FF	Benzene waste operations

Division 244				
Federal Hazardous Air Pollutant Standards				
(40 C.F.R. part 63)				
Applicability		Adopted By DEQ	Subpart	Rule Description
Yes	No			
		Yes	A	General Provisions
		Yes	F	Synthetic organic chemical manufacturing industry
		Yes	G	Synthetic organic chemical manufacturing industry: process vents, storage vessels, transfer operations, and wastewater
		Yes	H	Synthetic organic chemical manufacturing industry: equipment leaks
		Yes	I	Certain processes subject to the negotiated regulation for equipment leaks
		Yes	J	Polyvinyl chloride and copolymers production
		Yes	L	Coke oven batteries
		Yes	M	Perchloroethylene air emission standards for dry cleaning facilities
		Yes	N	Chromium emissions from hard and decorative chromium electroplating and chromium anodizing tanks
		Yes	O	Ethylene oxide emissions standards for sterilization facilities
		Yes	Q	Industrial process cooling towers
		Yes	R	Gasoline distribution (bulk gasoline terminals and pipeline breakout stations)
		Yes	S	Pulp and paper industry
		Yes	T	Halogenated solvent cleaning
		Yes	U	Group I polymers and resins
		Yes	W	Epoxy resins and non-nylon polyamides production
		Yes	X	Secondary lead smelting
		Yes	Y	Marine tank vessel loading operations
		Yes	AA	Phosphoric acid manufacturing plants
		Yes	BB	Phosphate fertilizer production plants
		Yes	CC	Petroleum refineries
		Yes	DD	Off-site waste and recovery operations
		Yes	EE	Magnetic tape manufacturing operations
		Yes	GG	Aerospace manufacturing and rework facilities
		Yes	HH	Oil and natural gas production facilities
		Yes	II	Shipbuilding and ship repair (surface coating)
		Yes	JJ	Wood furniture manufacturing operations
		Yes	KK	Printing and publishing industry
		Yes	LL	Primary aluminum reduction plants
		Yes	MM	Chemical recovery combustion sources at kraft, soda, sulfite and stand-alone semi-chemical pulp mills
		Yes	NN	Area Sources: Wool fiberglass manufacturing
		Yes	OO	Tanks: Level 1
		Yes	PP	Containers
		Yes	QQ	Surface impoundments
		Yes	RR	Individual drain systems
		Yes	SS	Closed vent systems, control devices, recovery devices and routing to a fuel gas system or a process
		Yes	TT	Equipment leaks: control level 1
		Yes	UU	Equipment leaks: control level 2
		Yes	VV	Oil-water separators and organic-water separators

**Division 244
 Federal Hazardous Air Pollutant Standards
 (40 C.F.R. part 63)**

Applicability		Adopted By DEQ	Subpart	Rule Description
Yes	No			
		Yes	WW	Storage vessels (tanks): control level 2
		Yes	XX	Ethylene manufacturing process units: heat exchange systems and waste operations
		Yes	YY	Generic maximum achievable control technology standards
		Yes	CCC	Steel pickling: HCl process facilities and hydrochloric acid regeneration plants
		Yes	DDD	Mineral wool production
		Yes	EEE	Hazardous waste combustors
		Yes	GGG	Pharmaceuticals production
		Yes	HHH	Natural gas transmission and storage facilities
		Yes	III	Flexible polyurethane foam production
		Yes	JJJ	Group IV polymers and resins
		Yes	LLL	Portland cement manufacturing industry
		Yes	MMM	Pesticide active ingredient production
		Yes	NNN	Wool fiberglass manufacturing
		Yes	OOO	Manufacture of amino/phenolic resins
		Yes	PPP	Polyether polyols production
		Yes	QQQ	Primary copper smelting
		Yes	RRR	Secondary aluminum production
		Yes	TTT	Primary lead smelting
		Yes	UUU	Petroleum refineries: catalytic cracking units, catalytic reforming units, and sulfur recovery units
		Yes	VVV	Publicly owned treatment works
		Yes	XXX	Ferroalloys production: ferromanganese and silicomanganese
		Yes	AAAA	Municipal solid waste landfills
		Yes	CCCC	Manufacturing of nutritional yeast
		Yes	DDDD	Plywood and composite wood products
		Yes	EEEE	Organic liquids distribution (non-gasoline)
		Yes	FFFF	Miscellaneous organic chemical manufacturing
		Yes	GGGG	Solvent extraction for vegetable oil production
		Yes	HHHH	Wet formed fiberglass mat production
		Yes	IIII	Surface coating of automobiles and light-duty trucks
		Yes	JJJJ	Paper and other web coating
		Yes	KKKK	Surface coating of metal cans
		Yes	MMMM	Surface coating of miscellaneous metal parts and products
		Yes	NNNN	Surface coating of large appliances
		Yes	OOOO	Printing, coating, and dyeing of fabrics and other textiles
		Yes	PPPP	Surface coating of plastic parts and products
		Yes	QQQQ	Surface coating of wood building products
		Yes	RRRR	Surface coating of metal furniture
		Yes	SSSS	Surface coating of metal coil
		Yes	TTTT	Leather finishing operations
		Yes	UUUU	Cellulose production manufacturing
		Yes	VVVV	Boat manufacturing
		Yes	WWWW	Reinforced plastics composites production
		Yes	XXXX	Rubber tire manufacturing
		Yes	YYYY	Stationary combustion turbines
		Yes	ZZZZ	Stationary reciprocating internal combustion engines
		Yes	AAAAA	Lime manufacturing

Division 244
Federal Hazardous Air Pollutant Standards
(40 C.F.R. part 63)

Applicability		Adopted By DEQ	Subpart	Rule Description
Yes	No			
		Yes	BBBBB	Semiconductor manufacturing
		Yes	CCCCC	Coke ovens: pushing, quenching & battery stacks
		Yes	DDDDD	Industrial, combustion and industrial boilers and process heaters
		Yes	EEEEE	Iron and steel foundries
		Yes	FFFFFF	Integrated iron and steel manufacturing facilities
		Yes	GGGGG	Site remediation
		Yes	HHHHH	Misc. coating manufacturing
		Yes	IIIII	Mercury cell chlor-alkali plants
		Yes	JJJJJ	Brick and structural clay products manufacturing
		Yes	KKKKK	Clay ceramics manufacturing
		Yes	LLLLL	Asphalt processing & asphalt roofing manufacturing
		Yes	MMMMM	Flexible polyurethane foam fabrication operations
		Yes	NNNNN	Hydrochloric acid production
		Yes	PPPPP	Engine tests cells/stands
		Yes	QQQQQ	Friction materials manufacturing facilities
		Yes	RRRRR	Taconite iron ore processing
		Yes	SSSSS	Refractory products manufacturing
		Yes	TTTTT	Primary magnesium refining
		Yes	UUUUU	Coal and oil-fired electric utility steam generating units
		Yes	WWWWW	Area sources: hospital ethylene oxide sterilization
		Yes	YYYYY	Area sources: electric arc furnace steelmaking facilities
		Yes	ZZZZZ	Area sources: iron and steel foundries
		Yes	BBBBBB	Area sources: gasoline distribution bulk terminals, bulk plants, and pipeline facilities
		No	CCCCCC	Gasoline dispensing facilities
		Yes	DDDDDD	Area sources: polyvinyl chloride and copolymers production
		Yes	EEEEEE	Area sources: primary copper smelting
		Yes	FFFFFFF	Area sources: secondary copper smelting
		Yes	GGGGGG	Area sources: primary nonferrous metals, zinc, cadmium, and beryllium
		Yes	HHHHHH	Area sources: paint stripping and miscellaneous surface coating operations
		Yes	JJJJJJ	Area sources: industrial, commercial and institutional boilers
		Yes	LLLLLL	Area sources: acrylic and modacrylic fibers production
		Yes	MMMMMM	Area sources: carbon black production
		Yes	NNNNNN	Area sources: chemical manufacturing: chromium compounds
		Yes	OOOOOO	Area sources: flexible polyurethane foam production
		Yes	PPPPPP	Area sources: lead acid battery manufacturing
		Yes	QQQQQQ	Area sources: wood preserving
		Yes	RRRRRR	Area sources: clay ceramics manufacturing
		Yes	SSSSSS	Area sources: glass manufacturing
		Yes	TTTTTT	Area sources: secondary nonferrous metals processing
		Yes	VVVVVV	Area sources: chemical manufacturing
		Yes	WWWWW W	Area sources: plating and polishing operations
		Yes	XXXXXX	Area sources: nine metal fabrication and finishing source categories
		Yes	YYYYYY	Area sources: ferroalloys production facilities
		Yes	ZZZZZZ	Area sources: aluminum, copper, and other nonferrous foundries

Division 244 Federal Hazardous Air Pollutant Standards (40 C.F.R. part 63)				
Applicability		Adopted By DEQ	Subpart	Rule Description
Yes	No			
		Yes	AAAAAAA	Area sources: asphalt processing and asphalt roofing manufacturing
		Yes	BBBBBBB	Area sources: chemical preparations industry
		Yes	CCCCCCC	Area sources: paints and allied products manufacturing
		Yes	DDDDDDD	Area sources: prepared feeds manufacturing
		Yes	EEEEEEE	Area sources: gold mine ore processing and production
		Yes	HHHHHHH	Polyvinyl chloride and copolymers production

*Standards marked with an asterisk are adopted only for sources required to obtain a title V permit or an ACDP.