

APPENDIX C

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS)

Table C-1 of this appendix lists the NESHAPs for each source category that have been promulgated in the Code of Federal Regulations (CFR), 40 CFR Parts 61 and 63 as of June 2004. For further details regarding the NESHAP requirements, refer to the specific subpart reference for each source category listed.

Additional NESHAPs from the 10-year MACT bin were scheduled to be promulgated by November 2000 per Section 112(e); however, EPA failed to promulgate many of the MACT standards by the applicable deadline, thereby triggering MACT Hammer provisions of Section 112(j) (see Chapter 2). The Sierra Club filed a petition seeking judicial review of the final Section 112(j) rule and as part of a settlement agreement, the EPA developed a promulgation schedule for the remaining MACT standards. EPA's development schedule based on the settlement agreement is provided in Table C-2.

Table C-1 Promulgated NESHAPs as of June 2004

Part	Subpart	National Emission Standard(s) for:	Adopted
61	M	Asbestos	12/3/1976
61	BB	Benzene emissions from benzene transfer operations	3/7/1990
61	L	Benzene emissions from maleic anhydride plants, ethylbenzene/styrene plants, benzene storage vessels, benzene equipment leaks, and coke by-product recovery plants	9/7/1990
61	Y	Benzene storage vessels	9/14/1989
61	FF	Benzene waste operations	3/7/1990
61	C	Beryllium	4/6/1973
61	D	Beryllium rocket motor firing	4/6/1973
61	V	Equipment leaks (fugitive emission sources)	11/1/1985
61	J	Equipment leaks (fugitive emission sources) for benzene	11/1/1985
61	P	Inorganic arsenic emissions from arsenic trioxide and metallic arsenic production facilities	8/4/1986
61	N	Inorganic arsenic emissions from glass manufacturing plants	4/3/1987
61	O	Inorganic arsenic emissions from primary copper smelters	8/4/1986
61	E	Mercury	12/3/1976
61	K	Radionuclide emissions from elemental phosphorus plants	12/15/1989
61	I	Radionuclide emissions from federal facilities other than Nuclear Regulatory Commission licensees and not covered by Subpart H	12/15/1989

Part	Subpart	National Emission Standard(s) for:	Adopted
61	H	Radionuclides other than radon from Department of Energy facilities	12/15/1989
61	Q	Radon emissions from Department of Energy facilities	12/15/1989
61	W	Radon emissions from operating mill tailings	12/15/1989
61	R	Radon emissions from phosphogypsum stacks	6/3/1992
61	T	Radon emissions from the disposal of uranium mill tailings	12/15/1989
61	B	Radon emissions from underground uranium mines	12/15/1989
61	F	Vinyl chloride	12/3/1976
63	GG	Aerospace manufacturing and rework facilities	9/1/1995
63	LLLLL	Asphalt processing and asphalt roofing manufacturing	4/29/2003
63	VVVV	Boat manufacturing	8/22/2001
63	JJJJJ	Brick and structural clay products manufacturing	5/16/2003
63	UUUU	Cellulose manufacturing	6/11/2002
63	I	Certain processes subject to the negotiated regulation for equipment leaks	4/22/1994
63	MM	Chemical recovery combustion sources at Kraft, soda, sulfite, and stand-alone, semi-chemical pulp mills	1/12/2001
63	N	Chromium emissions from hard and decorative chromium electroplating and chromium anodizing tanks	1/25/1995
63	KKKKK	Clay ceramics manufacturing	5/16/2003
63	SS	Closed vent systems, control devices, recovery devices, and routing to a fuel gas system or a process	6/29/1999
63	L	Coke oven batteries	10/27/1993
63	CCCCC	Coke ovens: pushing, quenching, and battery stacks	4/14/2003
63	YYYY	Combustion turbines	3/5/2004
63	PP	Containers	7/1/1996
63	PPPPP	Engine test cells/stands	5/27/2003
63	W	Epoxy resins production and non-nylon polyamides production	3/8/1995
63	H	Equipment leaks	4/22/1994
63	UU	Equipment leaks - Control Level 2 Standards	6/29/1999
63	TT	Equipment leaks - Control Level I Standards	12/29/1999

Part	Subpart	National Emission Standard(s) for:	Adopted
63	O	Ethylene oxide emissions standards for sterilization facilities	12/6/1994
63	OOOO	Fabric printing, coating, and dyeing	5/29/2003
63	XXX	Ferroalloys production: ferromanganese and silicomanganese	5/20/1999
63	III	Flexible polyurethane foam production	10/7/1998
63	MMMMM	Flexible polyurethane foam production operations	4/14/2003
63	QQQQQ	Friction products manufacturing	10/18/2002
63	R	Gasoline distribution	12/14/1994
63	YY	Generic MACT standards	6/29/1999
63	U	Group I polymers and resins	9/5/1996
63	JJJ	Group IV polymers and resins	9/12/1996
63	T	Halogenated solvent cleaning	12/2/1994
63	EEE	Hazardous waste combustors	9/30/1999
63	NNNNN	Hydrochloric acid production	4/17/2003
63	RR	Individual drain systems	7/1/1996
63	Q	Industrial process cooling towers	9/8/1994
63	FFFFF	Integrated iron and steel	5/20/2003
63	EEEEE	Iron and steel foundries	4/22/2004
63	TTTT	Leather finishing operations	2/27/2002
63	AAAAA	Lime manufacturing plants	1/5/2004
63	EE	Magnetic tape manufacturing operations	12/15/1994
63	OOO	Manufacture of amino/phenolic resins	1/20/2000
63	CCCC	Manufacturing of nutritional yeast	5/21/2001
63	Y	Marine tank vessel loading operations	9/19/1995
63	IIIII	Mercury cell/Chlor-alkali plants	12/19/2003
63	DDD	Mineral wool production	6/1/1999
63	HHHHH	Miscellaneous coating manufacturing	12/11/2003
63	FFFF	Miscellaneous organic chemical manufacturing	11/10/2003
63	AAAA	Municipal solid waste landfills	1/16/2003
63	HHH	Natural gas transmission and storage facilities	6/17/1999
63	DD	Off-site waste and recovery operations	7/1/1996
63	HH	Oil and natural gas production	6/17/1999
63	VV	Oil-water separators and organic-water separators	7/1/1996
63	EEEE	Organic liquids distribution (non-gasoline)	2/3/2004

Part	Subpart	National Emission Standard(s) for:	Adopted
63	M	Perchloroethylene standards for dry cleaning facilities	9/22/1993
63	MMM	Pesticide active ingredient production	6/23/1999
63	CC	Petroleum refineries	8/18/1995
63	UUU	Petroleum refineries: catalytic cracking units, catalytic reforming units, and sulfur recovery units	4/11/2002
63	GGG	Pharmaceuticals production	9/21/1998
63	BB	Phosphate fertilizers production plants	6/10/1999
63	AA	Phosphoric acid manufacturing plants	6/10/1999
63	PPP	Polyether polyols production	6/1/1999
63	J	Polyvinyl chloride & co-polymers production	7/10/2002
63	LLL	Portland cement manufacturing industry	6/14/1999
63	LL	Primary aluminum production plants	10/7/1997
63	QQQ	Primary copper smelting	6/12/2002
63	TTT	Primary lead smelting	6/4/1999
63	TTTTT	Primary magnesium refining	10/10/2003
63	KK	Printing and publishing industry	5/30/1996
63	OOOO	Printing, coating, and dyeing of fabrics and other textiles	5/29/2003
63	VVV	Publicly owned treatment works	10/26/1999
63	S	Pulp and paper industry	4/15/1998
63	ZZZZ	Stationary reciprocating internal combustion engines	6/15/2004
63	SSSSS	Refractory products manufacturing	4/16/2003
63	B	Regulations governing constructed or reconstructed major sources	12/27/1996
63	WWWW	Reinforced plastic composites production	4/21/2003
63	RRR	Secondary aluminum production	3/23/2000
63	X	Secondary lead smelting	6/23/1995
63	II	Shipbuilding and ship repair (surface coating) operations	12/15/1995
63	GGGGG	Site remediation	10/8/2003
63	GGGG	Solvent extraction for vegetable oil production	4/12/2001
63	CCC	Steel pickling - HCL process facilities and HCL regeneration plants	6/22/1999
63	WW	Storage vessels (tanks) - Control Level 2	6/29/1999
63	IIII	Surface coating of automobiles & light duty trucks	4/26/2004
63	NNNN	Surface coating of large appliances	7/23/2002

Part	Subpart	National Emission Standard(s) for:	Adopted
63	KKKK	Surface coating of metal cans	11/13/2003
63	SSSS	Surface coating of metal coils	6/10/2002
63	RRRR	Surface coating of metal furniture	5/23/2003
63	MMMM	Surface coating of miscellaneous metal parts and products	1/2/2004
63	PPPP	Surface coating of plastic parts and products	4/19/2004
63	QQQQ	Surface coating of wood building products	5/28/2003
63	QQ	Surface impoundments	7/1/1996
63	F	Synthetic organic chemical manufacturing industry	4/22/1994
63	G	Synthetic organic chemical manufacturing industry for process vents, storage vessels, transfer operations, and wastewater	4/22/1994
63	RRRRR	Taconite iron ore processing	10/30/2003
63	OO	Tanks - Level 1	7/1/1996
63	XXXX	Tire (Rubber) manufacturing	7/9/2002
63	HHHH	Wet-formed fiberglass mat production	4/11/2002
63	JJ	Wood furniture manufacturing operations	12/7/1995
63	NNN	Wool fiberglass manufacturing	6/14/1999

**Table C-2 NESHAP Development Schedule
Established by EPA Pursuant to Section 112(e)**

Subpart	National Emission Standard(s) for:	Scheduled Promulgation Date
DDDDD*	Industrial, Commercial & Industrial Boilers & Process Heaters	2/28/2004
DDDD*	Plywood & Composite Wood Products	2/28/2004

*Note: These standards have been signed by the EPA Administrator and may be considered "promulgated."