

Do you need a RMP?

Chemical Accidental Release Prevention Program

in North Carolina

Section 112(r)
of the Clean Air Act

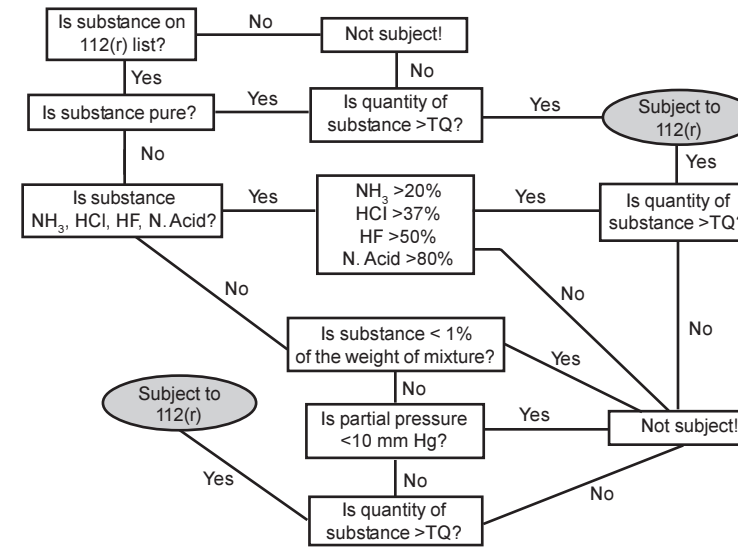
Risk Management Program Requirements

Facilities that use, make, or store more than threshold quantities of listed chemicals must develop a Risk Management Program and file a summary Risk Management Plan (RMP) by June 21, 1999. The purpose of the 112(r) rule is to:

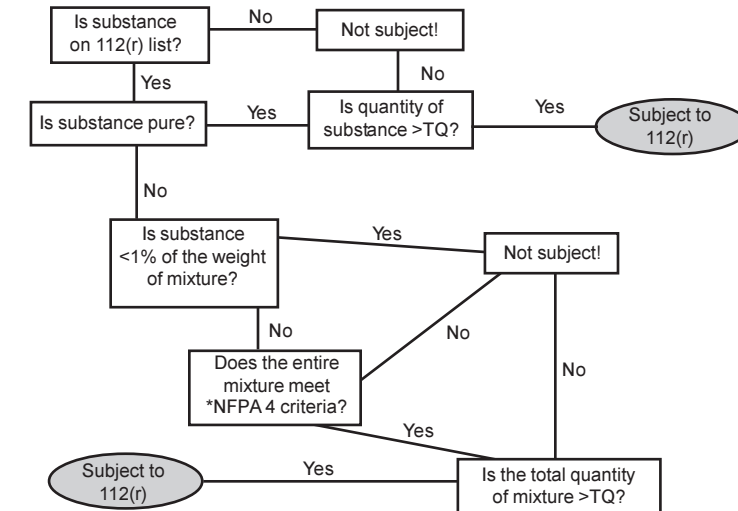
- Protect plant personnel, the public, and the environment.
- Prevent accidental chemical releases from occurring.
- Predict the areas that would be impacted by a worst-case accidental release.
- Prepare plans for handling accidental releases.
- Provide chemical hazard information, potential off-site consequences, and accidental release prevention information to the public.

There are 77 acutely toxic substances and 63 flammable gases and volatile liquids that are identified in the new rule. Threshold quantities range from 500 to 20,000 pounds. Please refer to the list of chemicals in this brochure and use the following charts to determine if your facility is subject to these new requirements. Stationary sources (public and private) with process(es) that contain more than a threshold quantity (TQ) of a regulated substance must conduct a hazard assessment, compile a 5-year accident history, develop an accident prevention program, develop an emergency response program, and submit risk management information to the EPA by June 21, 1999.

Threshold Determination: Toxics



Threshold Determination: Flammables



NFPA = National Fire Protection Association 704 Hazard Material Identification

Flammability

Rating 4 = Materials which will rapidly or completely vaporize at atmospheric pressure and normal ambient temperature or which are readily dispersed in the air, and which will burn readily. Any liquid or gaseous material which is a liquid while under pressure and having a flash point below 73° F and a boiling point below 100° F (Class IA Flammable Liquids)



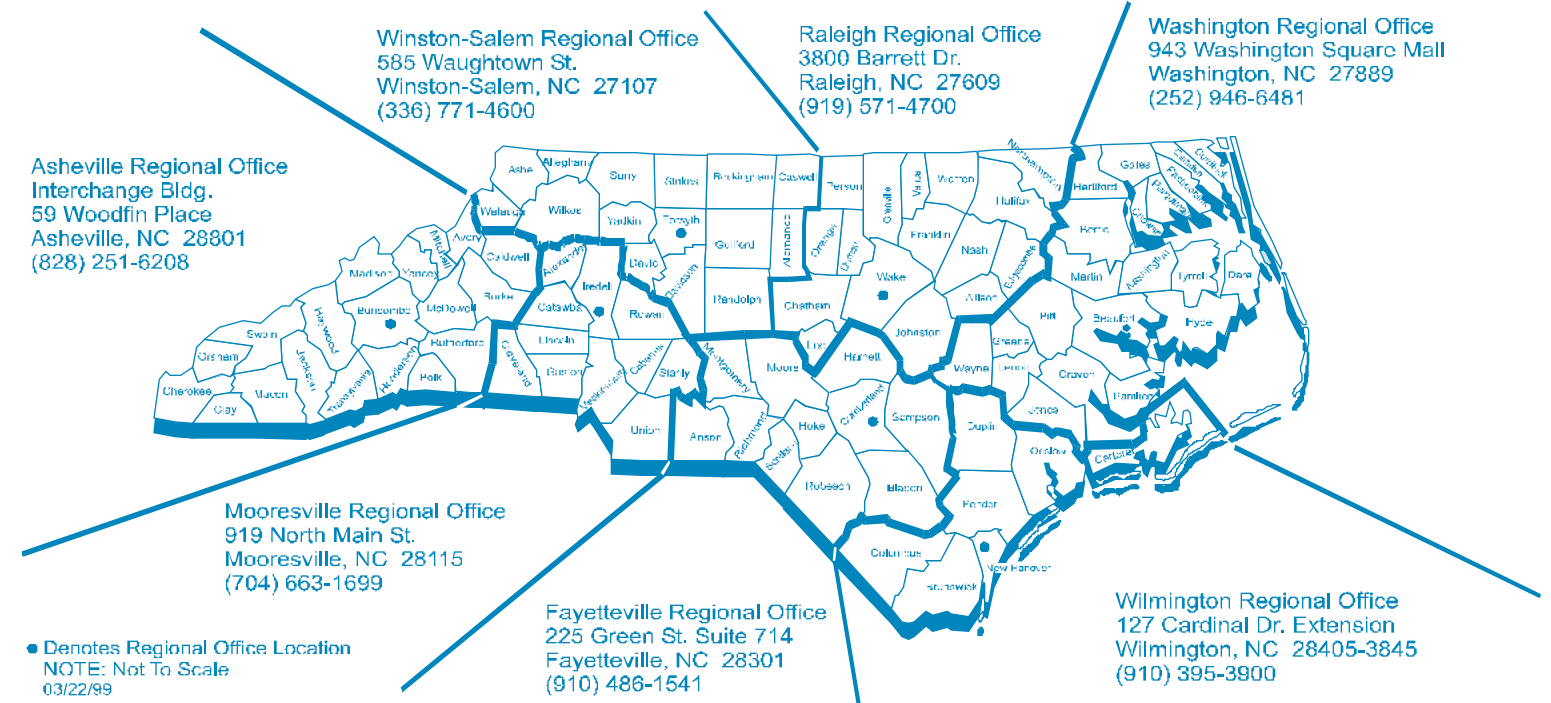
North Carolina - Dept. of Environment and Natural Resources
Division of Air Quality
P.O. Box 29580
Raleigh, NC 27626-0580

112(r) Regulated Substances

Chemical Name	CAS No.	TQ (lbs)
Acrolein	107-02-8	5,000
Acrylonitrile	107-13-1	20,000
Acrylyl chloride	814-68-6	5,000
Allyl alcohol	107-18-6	15,000
Allylamine	107-11-9	10,000
Ammonia (anhydrous)	7664-41-7	10,000
Ammonia (conc 20% or greater)	7664-41-7	20,000
Arsenous trichloride	7784-34-1	15,000
Arsine	7784-42-1	1,000
Boron trichloride	10294-34-5	5,000
Boron trifluoride	7637-07-2	5,000
Boron trifluoride compound with methylether (1:1)	7726-95-6	10,000
Bromine	75-15-0	20,000
Carbon disulfide	7782-50-5	2,500
Chlorine	10049-04-4	1,000
Chlorine dioxide	67-66-3	20,000
Chloroform	542-88-1	1,000
Chloromethyl ether	107-30-2	5,000
Chloromethyl methyl ether	4170-30-3	20,000
Crotonaldehyde	123-73-9	20,000
Crotonaldehyde (E)	506-77-4	10,000
Cyanogen chloride	108-91-8	15,000
Cyclohexylamine	19287-45-7	2,500
Diborane	75-78-5	5,000
Dimethyldichlorosilane	57-14-7	15,000
1,1-Dimethylhydrazine	106-89-8	20,000
Epichlorohydrin	107-15-3	20,000
Ethylenediamine	151-56-4	10,000
Ethyleneimine	75-21-8	10,000
Ethylene oxide	7782-41-4	1,000
Fluorine	50-00-0	15,000
Formaldehyde	110-00-9	5,000
Furan	302-01-2	15,000
Hydrazine	7647-01-0	15,000
Hydrochloric acid (37% or greater)	74-90-8	2,500
Hydrocyanic acid	7647-01-0	5,000
Hydrogen chloride (anhydrous)	7664-39-3	1,000
Hydrogen fluoride/Hydrofluoric acid (conc 50% or greater)	7783-07-5	500
Hydrogen selenide	7783-06-4	10,000
Hydrogen sulfide	13463-40-6	2,500
Iron pentacarbonyl	78-82-0	20,000
Isobutyronitrile	108-23-6	15,000
Isopropyl chloroformate	126-98-7	10,000
Methacrylonitrile	74-87-3	10,000
Methyl chloride	79-22-1	5,000
Methyl chloroformate	60-34-4	15,000
Methyl hydrazine	624-83-9	10,000
Methyl isocyanate	74-93-1	10,000
Methyl mercaptan	556-64-9	20,000
Methyl thiocyanate	75-79-6	5,000
Methyltrichlorosilane	13463-39-3	1,000
Nickel carbonyl	7697-37-2	15,000
Nitric acid (conc 80% or greater)	10102-43-9	10,000
Nitric oxide	8014-95-7	10,000
Oleum (fuming sulfuric acid)	79-21-0	10,000
Peracetic acid	594-42-3	10,000
Perchloromethylmercaptan	75-44-5	500
Phosgene	7803-51-2	5,000
Phosphine	10025-87-3	5,000
Phosphorus oxychloride	7719-12-2	15,000
Phosphorus trichloride	110-89-4	15,000
Piperidine	107-12-0	10,000
Propionitrile	109-61-5	15,000
Propyl chloroformate	75-55-8	10,000
Propyleneimine	75-56-9	10,000
Propylene oxide	7446-09-5	5,000
Sulfur dioxide (anhydrous)	7783-60-0	2,500
Sulfur tetrafluoride	7446-11-9	10,000
Sulfur trioxide	75-74-1	10,000
Tetramethyllead	509-14-8	10,000
Tetranitromethane	7550-45-0	2,500
Titanium tetrachloride	584-84-9	10,000
Toluene 2,4-diisocyanate	91-08-7	10,000
Toluene 2,6-diisocyanate	26471-62-5	10,000
Toluene diisocyanate (unspecified isomer)	75-77-4	10,000
Trimethylchlorosilane	108-05-4	15,000
Vinyl acetate (monomer)		

Chemical Name	CAS No.	TQ (lbs)
Acetaldehyde	75-07-0	10,000
Acetylene [Ethyne]	74-86-2	10,000
Bromotrifluoroethylene	598-73-2	10,000
1,3-Butadiene	106-99-0	10,000
Butane	106-97-8	10,000
1-Butene	106-98-9	10,000
2-Butene	107-01-7	10,000
Butene	25167-67-3	10,000
2-Butene-cis	590-18-1	10,000
2-Butene-trans	624-64-6	10,000
Carbon oxysulfide	463-58-1	10,000
Chlorine monoxide	7791-21-1	10,000
2-Chloropropylene	557-98-2	10,000
1-Chloropropylene	590-21-6	10,000
Cyanogen	460-19-5	10,000
Cyclopropane	75-19-4	10,000
Dichlorosilane	4109-96-0	10,000
Difluoroethane	75-37-6	10,000
Dimethylamine	124-40-3	10,000
2,2-Dimethylpropane	463-82-1	10,000
Ethane	74-84-0	10,000
Ethyl acetylene	107-00-6	10,000
Ethylamine	75-04-7	10,000
Ethyl chloride	75-00-3	10,000
Ethylene	74-85-1	10,000
Ethyl ether	60-29-7	10,000
Ethyl mercaptan	75-08-1	10,000
Ethyl nitrite	109-95-5	10,000
Hydrogen	1333-74-0	10,000
Isobutane	75-28-5	10,000
Isopentane	78-78-4	10,000
Isoprene	78-79-5	10,000
Isopropylamine	75-31-0	10,000
Isopropyl chloride	75-29-6	10,000
Methane	74-82-8	10,000
Methylamine	74-89-5	10,000
3-Methyl-1-butene	563-45-1	10,000
2-Methyl-1-butene	563-46-2	10,000
Methyl ether [Methane oxybis-]	115-10-6	10,000
Methyl formate [Formic acid methylester]	107-31-3	10,000
2-Methylpropene [1-Propene 2-methyl-]	115-11-7	10,000
1,3-Pentadiene	504-60-9	10,000
Pentane	109-66-0	10,000
1-Pentene	109-67-1	10,000
2-Pentene (E)-	646-04-8	10,000
2-Pentene (Z)-	627-20-3	10,000
Propadiene	463-49-0	10,000
Propane	74-98-6	10,000
Propylene	115-07-1	10,000
Propyne	74-99-7	10,000
Silane	7803-62-5	10,000
Tetrafluoroethylene	116-14-3	10,000
Tetramethylsilane	75-76-3	10,000
Trichlorosilane	10025-78-2	10,000
Trifluoroethoxyethylene	79-38-9	10,000
Trimethylamine	75-50-3	10,000
Vinyl acetylene	689-97-4	10,000
Vinyl chloride	75-01-4	10,000
Vinyl ethyl ether	109-92-2	10,000
Vinyl fluoride	75-02-5	10,000
Vinylidene chloride	75-35-4	10,000
Vinylidene fluoride	75-38-7	10,000
Vinyl methyl ether	107-25-5	10,000

CAS = Chemical Abstract Service
TQ(lbs) = Threshold Quantity in pounds



For more information in your area, call:

- Asheville Regional Office (828) 251-6208
- Fayetteville Regional Office (910) 486-1541
- Mooresville Regional Office (704) 663-1699
- Raleigh Regional Office (919) 571-4700
- Washington Regional Office (252) 946-6481
- Wilmington Regional Office (910) 395-3900
- Winston-Salem Regional Office (336) 771-4600

Program Coordinator Office:

- Mike Chapman (919) 715-3467
- Small Business Ombudsman 1-800-829-4841
- EPA EPCRA/112(r) Information
- Hotline: 1-800-424-9346

Local Programs

- Western North Carolina Regional Agency
(Buncombe & Haywood Counties)
Buncombe County Courthouse
Asheville, NC 28801-3569 (828) 255-5655
- Forsyth County Environmental Affairs Department
537 N. Spruce Street
Winston-Salem, NC 27101 (336) 727-8060
- Mecklenburg County Dept. of Environmental Protection
700 N. Tryon Street
Charlotte, NC 28202 (704) 336-5500

Visit our website: <http://daq.state.nc.us/112r>

