

1 Pollution Control Agency

2

3 Adopted Permanent Rules Relating to Hazardous Waste

4

5 Rules as Adopted

6 7001.0560 GENERAL INFORMATION REQUIREMENTS FOR PART B OF  
7 APPLICATION.

8 Part B of the application must contain the following  
9 information:

10 [For text of items A to D, see M.R.]

11 E. A copy of the general inspection schedule required  
12 by part 7045.0452, subpart 5, item B, including, if applicable,  
13 the information in parts 7045.0526, subpart 5; 7045.0528,  
14 subparts 5 and 7; 7045.0532, subpart 5; 7045.0534, subparts 5  
15 and 6; 7045.0536, subpart 4; 7045.0538, subpart 5; 7045.0539,  
16 subpart 3; and 7045.0542, subpart 7; and the process vent and  
17 equipment leak standards in Code of Federal Regulations, title  
18 40, sections 264.1033, 264.1052, 264.1053, and 264.1058, as  
19 amended.

20 [For text of items F and G, see M.R.]

21 H. A description of procedures, structures, or  
22 equipment used at the facility to:

23 [For text of subitems (1) to (3), see M.R.]

24 (4) mitigate effects of equipment failure and  
25 power outages;

26 (5) prevent undue exposure of personnel to  
27 hazardous waste, such as protective clothing; and

28 (6) prevent releases to the atmosphere.

29 [For text of items I to V, see M.R.]

30 7001.0626 FEDERAL PART B INFORMATION REQUIREMENTS FOR PROCESS  
31 VENTS.

32 Subpart 1. Federal regulation adopted. If the applicant  
33 proposes to treat, store, or dispose of hazardous waste in a  
34 facility that uses process vents, as defined in Code of Federal  
35 Regulations, title 40, section 264.1031, as amended, the

1 applicant must supply the information required by Code of  
2 Federal Regulations, title 40, section 270.24, Specific Part B  
3 Information Requirements for Process Vents, as amended.

4 Subp. 2. Exceptions to adopted federal regulation.

5 Exceptions to the federal regulation adopted in subpart 1 are as  
6 follows:

7 A. references in the adopted regulation to other  
8 federal regulations also refer to the corresponding Minnesota  
9 rules; and

10 B. references in the adopted regulation to "regional  
11 administrator" mean "agency commissioner."

12 7001.0627 FEDERAL PART B INFORMATION REQUIREMENTS FOR EQUIPMENT.

13 Subpart 1. Federal regulation adopted. If the applicant  
14 proposes to treat, store, or dispose of hazardous waste in a  
15 facility that uses equipment as defined in Code of Federal  
16 Regulations, title 40, section 264.1031, as amended, the  
17 applicant must supply the information required by Code of  
18 Federal Regulations, title 40, section 270.25, Specific Part B  
19 Information Requirements for Equipment, as amended.

20 Subp. 2. Exceptions to adopted federal regulation.

21 Exceptions to the federal regulation adopted in subpart 1 are as  
22 follows:

23 A. references in the adopted regulation to other  
24 federal regulations also refer to the corresponding Minnesota  
25 rules; and

26 B. references in the adopted regulation to "regional  
27 administrator" mean "agency commissioner."

28 7045.0125 MANAGEMENT OF WASTE BY USE, REUSE, RECYCLING, AND  
29 RECLAMATION.

30 [For text of subps 1 to 8, see M.R.]

31 Subp. 9. Facility requirements. Except as provided in  
32 subpart 3a, 4, 5, or 6, or parts 7045.0692 and 7045.0695, owners  
33 or operators of facilities which recycle hazardous waste are  
34 subject to the following requirements:

35 A. If the recyclable hazardous waste is stored before

1 it is recycled, the owners or operators are subject to the  
2 requirements of parts 7045.0450 to 7045.0534, 7045.0552 to  
3 7045.0632, and 7045.1300 to 7045.1380, and chapter 7001. The  
4 recycling process itself is exempt from regulation except as  
5 provided in item C.

6 [For text of item B, see M.R.]

7 C. Owners or operators of facilities subject to RCRA  
8 permitting requirements with hazardous waste management units  
9 that recycle hazardous wastes are subject to the process vent  
10 and equipment leak standards in parts 7045.0547 and 7045.0548  
11 and 7045.0647 and 7045.0648.

12 [For text of subp 12, see M.R.]

13 7045.0135 LISTS OF HAZARDOUS WASTES.

14 [For text of subps 1 and 2, see M.R.]

15 Subp. 3. **Hazardous waste from specific sources.** Hazardous  
16 wastes from specific sources are listed with the industry and  
17 hazardous waste number and hazard code in items A to Q.

18 [For text of items A and B, see M.R.]

19 C. Organic chemicals:

20 [For text of subitems (1) to (37), see M.R.]

21 (38) K118, spent adsorbent solids from  
22 purification of ethylene dibromide in the production of ethylene  
23 dibromide via bromination of ethene: (T);

24 (39) K136, still bottoms from the purification of  
25 ethylene dibromide in the production of ethylene dibromide via  
26 bromination of ethene: (T);

27 (40) K107, column bottoms from product separation  
28 from the production of 1,1-dimethylhydrazine (UDMH) from  
29 carboxylic acid hydrazines: (C,T);

30 (41) K108, condensed column overheads from  
31 product separation and condensed reactor vent gases from the  
32 production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid  
33 hydrazides: (I,T);

34 (42) K109, spent filter cartridges from product  
35 purification from the production of 1,1-dimethylhydrazine (UDMH)

1 from carboxylic acid hydrazides: (T); and  
2 (43) K110, condensed column overheads from  
3 intermediate separation from the production of  
4 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides:  
5 (T).

6 [For text of items D to Q, see M.R.]

7 [For text of subps 4 and 5, see M.R.]

8 7045.0139 BASIS FOR LISTING HAZARDOUS WASTES.

9 [For text of subpart 1, see M.R.]

10 Subp. 2. **Constituents.** The constituents which are the  
11 basis for listing the wastes identified in part 7045.0135,  
12 subparts 2 and 3 are listed in items A and B.

13 [For text of item A, see M.R.]

14 B. Constituents of wastes identified in part  
15 7045.0135, subpart 3 are listed in subitems (1) to (101).

16 [For text of subitems (1) to (82), see M.R.]

17 (83) K107: 1,1-Dimethylhydrazine (UDMH);

18 (84) K108: 1,1-Dimethylhydrazine (UDMH);

19 (85) K109: 1,1-Dimethylhydrazine (UDMH);

20 (86) K110: 1,1-Dimethylhydrazine (UDMH);

21 (87) K111: 2,4-Dinitrotoluene;

22 (88) K112: 2,4-Toluenediamine, o-toluidine,  
23 p-toluidine, aniline;

24 (89) K113: 2,4-Toluenediamine, o-toluidine,  
25 p-toluidine, aniline;

26 (90) K114: 2,4-Toluenediamine, o-toluidine,  
27 p-toluidine;

28 (91) K115: 2,4-Toluenediamine;

29 (92) K116: Carbon tetrachloride,  
30 tetrachloroethylene, chloroform, phosgene;

31 (93) K117: Ethylene dibromide;

32 (94) K118: Ethylene dibromide;

33 (95) K123: Ethylene thiourea;

34 (96) K124: Ethylene thiourea;

35 (97) K125: Ethylene thiourea;

- 1 (98) K126: Ethylene thiourea;  
2 (99) K131: Dimethyl sulfate, methyl bromide;  
3 (100) K132: Methyl bromide; and  
4 (101) K136: Ethylene dibromide.

5 7045.0452 GENERAL FACILITY STANDARDS.

6 [For text of subps 1 to 4, see M.R.]

7 Subp. 5. General inspection requirements. General  
8 inspection requirements include the following:

9 [For text of items A and B, see M.R.]

10 C. The frequency of inspection may vary for the items  
11 on the schedule. However, it must be based on the rate of  
12 possible deterioration of the equipment and the probability of  
13 an environmental or human health incident if the deterioration  
14 or malfunctions or any operator error goes undetected between  
15 inspections. Areas subject to spills, such as loading and  
16 unloading areas, must be inspected daily when in use. The  
17 inspection schedule must include the terms and frequencies  
18 called for in parts 7045.0526, subpart 5; 7045.0528, subparts 4,  
19 5, and 7; 7045.0532, subpart 5; 7045.0534, subparts 5 and 6;  
20 7045.0538, subpart 5; 7045.0539, subpart 3; and 7045.0542,  
21 subpart 7; and the process vent and equipment leak standards in  
22 Code of Federal Regulations, title 40, sections 264.1033,  
23 264.1052, 264.1053, and 264.1058, as amended, where applicable.  
24 The inspection schedule must be submitted with the permit  
25 application. The commissioner shall evaluate the schedule along  
26 with the rest of the application to ensure that it adequately  
27 protects human health and the environment. As part of this  
28 review, the commissioner may modify or amend the schedule as  
29 necessary.

30 [For text of items D and E, see M.R.]

31 7045.0458 WASTE ANALYSIS REQUIREMENTS.

32 [For text of subpart 1, see M.R.]

33 Subp. 2. Waste analysis plan. The owner or operator shall  
34 develop and follow a written waste analysis plan which describes  
35 the procedures that will be used to comply with subpart 1. The

1 owner or operator shall keep this plan at the facility. The  
2 plan must specify:

3 [For text of items A to E, see M.R.]

4 F. where applicable, the methods that will be used to  
5 meet the additional waste analysis requirements for specific  
6 waste management methods as specified in parts 7045.0456;  
7 7045.0538, subpart 10; 7045.0542, subpart 2; and 7045.1315; and  
8 the process vent and equipment leak test methods and procedures  
9 in Code of Federal Regulations, title 40, sections 264.1034(d)  
10 and 264.1063(d), as amended;

11 [For text of items G and H, see M.R.]

12 7045.0478 OPERATING RECORD.

13 [For text of subparts 1 and 2, see M.R.]

14 Subp. 3. **Record information.** The information in items A  
15 to Q must be recorded, as it becomes available, and maintained  
16 in the operating record until closure of the facility.

17 [For text of items A to D, see M.R.]

18 E. Records and results of waste analyses performed as  
19 specified in parts 7045.0456, 7045.0458, 7045.0538, subpart 10,  
20 7045.0542, subpart 2, 7045.1310, and 7045.1315; and the process  
21 vent and equipment leak test methods and procedures in Code of  
22 Federal Regulations, title 40, sections 264.1034 and 264.1063,  
23 as amended.

24 [For text of items F and G, see M.R.]

25 H. Monitoring, testing, or analytical data and  
26 corrective action where required by parts 7045.0484; 7045.0528,  
27 subparts 2, 4, 5, and 7; 7045.0532, subpart 5; 7045.0534,  
28 subparts 5 and 6; 7045.0536, subparts 5, 6, and 8; 7045.0538,  
29 subparts 5 and 6; 7045.0539, subpart 3; and 7045.0542, subpart  
30 7; and the process vent and equipment leak test methods and  
31 procedures and record keeping requirements in Code of Federal  
32 Regulations, title 40, sections 264.1034(c) to (f), 264.1035,  
33 264.1063(d) to (i), and 264.1064, as amended.

34 [For text of items I to Q, see M.R.]

35 7045.0482 REQUIRED REPORTS.

1 [For text of subps 1 to 3, see M.R.]

2 Subp. 4. **Additional reports.** In addition to submitting  
3 the manifest discrepancy report described in part 7045.0476,  
4 subpart 3, and the annual reports and the unmanifested waste  
5 reports described in subparts 2 and 3, the owner or operator  
6 shall also report to the commissioner:

7 [For text of items A and B, see M.R.]

8 C. as otherwise required by parts 7045.0484,  
9 7045.0532 to 7045.0538; and the process vent and equipment leak  
10 standards in Code of Federal Regulations, title 40, part 264,  
11 subparts AA and BB, as amended.

12 7045.0547 FEDERAL AIR EMISSION STANDARDS FOR PROCESS VENTS.

13 Subpart 1. **Federal regulation adopted.** If the applicant  
14 proposes to treat, store, or dispose of hazardous waste in a  
15 facility that uses process vents as defined in Code of Federal  
16 Regulations, title 40, section 264.1031, as amended, the  
17 applicant must comply with the air emission standards for  
18 process vents in Code of Federal Regulations, title 40, subpart  
19 AA, sections 264.1030 to 264.1049, as amended.

20 Subp. 2. **Exceptions to adopted federal regulation.**

21 Exceptions to the federal regulation adopted in subpart 1 are as  
22 follows:

23 A. references in the adopted regulation to other  
24 federal regulations also refer to the corresponding Minnesota  
25 rules; and

26 B. references in the adopted regulation to "regional  
27 administrator" mean "agency commissioner."

28 7045.0548 FEDERAL AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS.

29 Subpart 1. **Federal regulation adopted.** If the applicant  
30 proposes to treat, store, or dispose of hazardous waste in a  
31 facility that uses equipment as defined in Code of Federal  
32 Regulations, title 40, section 264.1031, as amended, the  
33 applicant must comply with the air emission standards for  
34 equipment leaks in Code of Federal Regulations, title 40,  
35 subpart BB, sections 264.1050 to 264.1079, as amended.



1 Subp. 2. **Exceptions to adopted federal regulation.**

2 Exceptions to the federal regulation adopted in subpart 1 are as  
3 follows:

4 A. references in the adopted regulation to other  
5 federal regulations also refer to the corresponding Minnesota  
6 rules; and

7 B. references in the adopted regulation to "regional  
8 administrator" mean "agency commissioner."

9 7045.0556 GENERAL FACILITY STANDARDS.

10 [For text of subps 1 to 4, see M.R.]

11 Subp. 5. **General inspection requirements.** General  
12 inspection requirements are listed in items A to E.

13 [For text of items A and B, see M.R.]

14 C. The frequency of inspection may vary for the items  
15 on the schedule. However, it must be based on the rate of  
16 possible deterioration of the equipment and the probability of  
17 an environmental or human health incident if the deterioration  
18 or malfunction or any operator error goes undetected between  
19 inspections. Areas subject to spills, such as loading and  
20 unloading areas, must be inspected daily when in use. The  
21 inspection schedule must include the terms and frequencies  
22 called for in parts 7045.0626, subpart 5; 7045.0628, subparts 4,  
23 5, and 7; 7045.0630, subpart 5; 7045.0640, subpart 4; and  
24 7045.0642, subpart 4; and the process vent and equipment leak  
25 standards in Code of Federal Regulations, title 40, sections  
26 264.1033, 264.1052, 264.1053, and 264.1058, as amended.

27 [For text of items D and E, see M.R.]

28 [For text of subps 6 and 7, see M.R.]

29 7045.0564 WASTE ANALYSIS REQUIREMENTS.

30 [For text of subpart 1, see M.R.]

31 Subp. 2. **Waste analysis plan.** The owner or operator shall  
32 develop and follow a written waste analysis plan which describes  
33 the procedures the owner or operator will carry out to comply  
34 with subpart 1. The owner or operator shall keep this plan at  
35 the facility. The plan must specify:



1 [For text of items A to E, see M.R.]

2 F. Where applicable, the methods that will be used to  
3 meet the additional waste analysis requirements for specific  
4 waste management methods as specified in parts 7045.0628,  
5 subpart 12; 7045.0630, subpart 4; 7045.0632, subpart 3;  
6 7045.0634, subpart 3; 7045.0638, subpart 7; 7045.0640, subpart  
7 2; 7045.0642, subpart 3; and 7045.1315; and the process vent and  
8 equipment leak test methods and procedures in Code of Federal  
9 Regulations, title 40, sections 264.1034(d) and 264.1063(d), as  
10 amended.

11 [For text of items G and H, see M.R.]

12 7045.0584 OPERATING RECORD.

13 [For text of subparts 1 and 2, see M.R.]

14 Subp. 3. Record information. The following information  
15 must be recorded, as it becomes available, and maintained in the  
16 operating record until closure of the facility.

17 [For text of items A to D, see M.R.]

18 E. Records and results of waste analyses and trial  
19 tests performed as specified in parts 7045.0564; 7045.0628,  
20 subpart 12; 7045.0630, subpart 4; 7045.0632, subpart 3;  
21 7045.0634, subpart 3; 7045.0638, subpart 7; 7045.0640, subpart  
22 2; 7045.0642, subpart 3; 7045.1310; and 7045.1315; and the  
23 process vent and equipment leak test methods and procedures in  
24 Code of Federal Regulations, title 40, sections 264.1034 and  
25 264.1063, as amended.

26 [For text of items F and G, see M.R.]

27 H. Monitoring, testing, or analytical data where  
28 required by parts 7045.0590, subparts 1, 6, and 7; 7045.0592,  
29 subparts 1 and 7; 7045.0628, subparts 2, 4, 5, and 7; 7045.0634,  
30 subparts 4 and 6, item D, subitem (1); 7045.0636; and 7045.0640,  
31 subpart 4; and the process vent and equipment leak test methods  
32 and procedures and record keeping requirements in Code of  
33 Federal Regulations, title 40, sections 264.1034(c) to (f),  
34 264.1035, 264.1063(d) to (i), and 264.1064, as amended. As  
35 required by parts 7045.0590, subparts 6 and 7; and 7045.0592,

1 subpart 7, monitoring data at disposal facilities must be kept  
2 throughout the post closure period.

3 [For text of items I to N, see M.R.]

4 7045.0588 REQUIRED REPORTS.

5 [For text of subps 1 to 3, see M.R.]

6 Subp. 4. **Additional reports.** In addition to submitting  
7 the manifest discrepancy report described in part 7045.0582,  
8 subpart 3, and the annual report and the unmanifested waste  
9 reports described in subparts 2 and 3, the owner or operator  
10 shall also report to the commissioner and the Environmental  
11 Protection Agency Region V Administrator:

12 [For text of item A, see M.R.]

13 B. groundwater contamination and monitoring data as  
14 specified in part 7045.0590, subparts 6 and 7; and 7045.0592,  
15 subpart 6;

16 C. facility closure as specified in part 7045.0594,  
17 subpart 3; and

18 D. as otherwise required by the process vent and  
19 equipment leak emission standards in Code of Federal  
20 Regulations, title 40, part 265, subparts AA and BB, as amended.

21 7045.0647 FEDERAL AIR EMISSION STANDARDS FOR PROCESS VENTS AT  
22 INTERIM STATUS FACILITIES.

23 Subpart 1. **Federal regulation adopted.** If the applicant  
24 proposes to treat, store, or dispose of hazardous waste in an  
25 interim status facility that uses process vents as defined in  
26 Code of Federal Regulations, title 40, section 264.1031, as  
27 amended, the applicant must comply with the air emission  
28 standards for process vents in Code of Federal Regulations,  
29 title 40, subpart AA, sections 265.1030 to 265.1049, as amended.

30 Subp. 2. **Exceptions to adopted federal regulation.**  
31 Exceptions to the federal regulation adopted in subpart 1 are as  
32 follows:

33 A. references in the adopted regulation to other  
34 federal regulations also refer to the corresponding Minnesota  
35 rules; and

1           B. references in the adopted regulation to "regional  
2 administrator" mean "agency commissioner."

3 7045.0648 FEDERAL AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS AT  
4 INTERIM STATUS FACILITIES.

5           Subpart 1. **Federal regulation adopted.** If the applicant  
6 proposes to treat, store, or dispose of hazardous waste in an  
7 interim status facility that uses equipment as defined in Code  
8 of Federal Regulations, title 40, section 264.1031, as amended,  
9 the applicant must comply with the air emission standards for  
10 equipment leaks in Code of Federal Regulations, title 40,  
11 subpart BB, sections 265.1050 to 265.1079, as amended.

12           Subp. 2. **Exceptions to adopted federal regulation.**  
13 Exceptions to the federal regulation adopted in subpart 1 are as  
14 follows:

15           A. references in the adopted regulation to other  
16 federal regulations also refer to the corresponding Minnesota  
17 rules; and

18           B. references in the adopted regulation to "regional  
19 administrator" mean "agency commissioner."