



CR 91-170

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

101 South Webster Street
Box 7921
Madison, Wisconsin 53707
TELEPHONE 608-266-2621
TELEFAX 608-267-3579
TDD 608-267-6897

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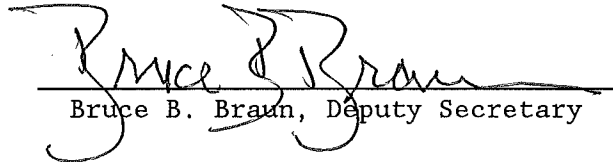
STATE OF WISCONSIN)
)
DEPARTMENT OF NATURAL RESOURCES)

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TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Bruce B. Braun, Deputy Secretary of the Department of Natural Resources and custodian of the official records of said Department, do hereby certify that the annexed copy of Natural Resources Board Order No. SW-42-91 was duly approved and adopted by this Department on March 26, 1992. I further certify that said copy has been compared by me with the original on file in this Department and that the same is a true copy thereof, and of the whole of such original.

IN TESTIMONY WHEREOF, I have here-
unto set my hand and affixed the
official seal of the Department at
the Natural Resources Building in
the City of Madison, this 21st
day of May, 1992.


Bruce B. Braun, Deputy Secretary

(SEAL)

8-1-92

ORDER OF THE STATE OF WISCONSIN NATURAL RESOURCES BOARD
REPEALING, RENUMBERING, RENUMBERING AND AMENDING, AMENDING,
REPEALING AND RECREATING AND CREATING RULES

.....
IN THE MATTER OF repealing ss. NR 600.10(1)(a), (c), (d), (f) .
to (j), (m) and (n) and (2)(a)1. and (e), 605.11, 620.07(4)(a) .
(note), 660.13(8)(c)4.(note), 675.22(1)(d) and 675 Appendix I; .
renumbering ss. NR 600.10(2)(a)3., 5. to 8., 10. to 14. and 17. .
to 44., 605.10(1), 675.04(1)(b) and (c), 675.07(1)(intro.) and .
(2)(e)3. and 675 Appendix II; renumbering and amending ss. NR .
600.10(1)(b), (e), (k) and (l) and (2)(a) 2., 4., 9., 15. and .
16., 605.08(3)(a)1.(note), 665.06(1)(e)1.c.(note), 675.04(1)(a), .
675.05(3)(b)(note), 675.07(1)(a) to (e), 675.09 to 675.14 and .
675 Appendix III; amending ss. NR 600.03(59), (64), (81), (85), .
(89) and (142)(note), 600.10(1)(intro) and (2)(b)1. and 2. and .
(d), 605.05(1)(a)5., 9.(intro), 10.(intro.) and 16. and (4)(a)3., .
605.08(1)(b), (2)(a)1. and 3. and (b), (3)(b), (4)(a)8. and (b) .
and (5)(a) and (b), 605.09(1)(b)4 and 6.(note), (2)(a) Table II .
(note), and (3)(a)3., 605.10(6)(note) and 605 Appendix I(1) to .
(5) and (7)(note), 610.05(3)(intro), 610.07(1)(c)1.b. and 2.c. .
(note) and (2)(note), 610.08(1)(h), (i)(intro), (j) and (u)3.d. .
615.05(3)(a)2.a.(note), (4)(a)5. and (5)(c), 615.06(3)(intro), .
615.08(4), (8)(f) and (8)(k)(note), 615.09(1) to (3), 615.12(1) .
(a)(intro.) and 1.a.1) and (j)7., 620.04(2), 620.10(1)(b) and .
(c) and (2), 620.11(2) to (4), 620.12(3)(note), 625.07(2)(a), .
630.04(1)(intro.), 630.13(1)(h)3., 630.22(1)(g), 635.05(1)(b) .
and (2)(intro.), 635.12(14)(a)1., 635.13(8)(e)1., 635 Appendix I .
footnote 5, 640.06(2)(d)3. and (3)(c)8., 640.07(2)(a)1.(note), .
645.04(1), 645.08(5)(note), 645.12(4)(a)(note) and (6)(note), .
645.16(2)(a)1.(note), 655.09(intro.), 660.08(2)(e)2.c.5)(note), .
660.09(1)(g)11.b.(note), 660.10(2)(b)2.d.9)(note) and e.4), .
660.13(7)(note) and (8)(c)1. and 2., 665.06(1)(d)1.d. and 2. .
(note), 665.07(2)(a)10., 665.09(15)(f), 675.05(1)(a), (b), (c) .
(intro), 1. and 2. and (d)(intro) and 2. and (2)(a) to (d), .
675.07(2)(a), (b), (d)1.b., (e)(intro.) and 1., and (g)2., .
675.20(1) and (3), 675.21(1), 675.22(1)(intro.) and (b) and .
(2)(a), 675.23(1), 675.24(1), 675.30(1)(intro.) (note), (4) .
(note), (5) and (6), 680.02(note), 680.06(10)(a)1. and 2. and .
(12)(a)1. and 3., 680.07(5)(b)1. and 3., 680.20(2)(b)1.(note), .
680.22(23), 685.05(2)(j), 685.07(5)(a)1., (e)1. and (g)1. and .
685.08(7)(a); repealing and recreating ss. NR 605.08(5) Table .
I, 675.06, 675.21 Table CCWE, 675.22(1)(c) and 675.23(1) Table .
CCW; and creating ss. NR 600.03(17)(note), (108m), (148m) and .
(237m), 600.10(1)(b) and (d), 605.04(3)(a)(note), 605.05(1) .
(a)17., 18. and 19., 605.09(2)(a) Table II Entry F039 and (b) .
Table III (note), 605.10(1)(a)(note) and (b) to (e), 605.13, .
605 Appendix II(intro.) (note), Appendix III Entry F039, .
Appendix V Method 8280 step 9.2.1 (note) and Appendix V Footnote .
7 (note), 625.07(6)(e)2.(note), 635.16(5)(b)1.(note), 645.09(1) .
(note), 660.13(8)(c)6., 675.04(1)(a), 675.07(1)(b), (g) and (i) .
to (k) and (2)(e)3., 675.09, 675.16, 675.22 Tables 1 to 3 and .
(4) and (5), 675.23(3), 675 Appendix III to VII, and 680.22(32) .
of the Wisconsin Administrative Code pertaining to hazardous .
waste management .
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SW-42-91

Analysis Prepared by the Department of Natural Resources

Statutory authority: ss. 144.431(1)(a), 144.44(3)(b), 144.60 (2), 144.62 and
227.11(2)(a), Stats.

Statutes interpreted: ss. 144.44, 144.441, 144.443, 144.444 and 144.60 to 144.79, Stats.

This order amends the hazardous waste rules in chs. NR 600 to 685, Wis. Adm. Code. The order assimilates recent revisions in U. S. Environmental Protection Agency (EPA) regulations and corrects errors in chs. NR 600 to 685, Wis. Adm. Code:

1. TCLP The order adopts the EPA Toxicity Characteristic Leaching Procedure (TCLP) which replaces the Extraction Procedure (EP) as one of the methods of identifying characteristic hazardous wastes. TCLP will increase the number of wastes that are subject to regulation. It adds twenty-five organic chemicals to the list of toxic constituents, and establishes regulatory levels for these twenty-five organic chemicals based on health-based concentration thresholds.
 2. THIRD THIRD RESTRICTIONS The order incorporates federal land disposal restrictions for the third part of EPA's waste regulation schedule (referred to as the "Third Third").
 3. INCORPORATIONS BY REFERENCE The order adds three Code of Federal Regulations (CFR) Appendixes to the list of incorporations by reference in s. NR 600.10, Wis. Adm. Code, and deletes most other CFR references from that list.
 4. MISCELLANEOUS CORRECTIONS The order corrects typographical errors, misnumbering and inconsistent and unclear phrasing.
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SECTION 1. NR 600.03(17)(note) is created to read:

NR 600.03(17)(note) Note: The publication containing Title 42 of the United States Code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 2. NR 600.03(59), (64), (81), (85) and (89) are amended to read:

NR 600.03(59) "DOT identification number" means the hazardous materials identification number assigned by the DOT, in 49 CFR 172.101 and 172.202, ~~November 1, 1985~~ October 1, 1990.

Note: The publication containing the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

(64) "EPA hazardous waste number" means the number assigned by EPA to each hazardous waste listed in 40 CFR Part 261, Subpart D, July 1, 1990, and to each characteristic identified in 40 CFR Part 261, Subpart C, July 1, 1990.

Note: The publication containing the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

(81) "Free liquids" means liquids which readily separate from the solid portion of a waste under ambient temperature and pressure. To demonstrate the absence or presence of free liquids, the EPA test method 9095, the paint filter liquids test, described in SW-846, "Test Methods for Evaluating Solid Waste", second edition, 1982, as amended by update I in April, 1984 and update II in April, 1985, shall be used.

Note: This publication may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

National Technical Information Service
U.S. Department of Commerce
Springfield, Virginia 22161

This publication is available for inspection at the offices of the department, the secretary of state, and the revisor of statutes.

(85) "Halogenated organic compounds" or "HOC" means those compounds having a carbon-halogen bond which are listed under ~~Appendix III~~ Appendix II to ch. NR 675.

(89) "Hazardous waste constituent" or "hazardous constituent" means a constituent listed in ch. NR 605, Appendix IV which caused the department to list a hazardous waste in s. NR 605.09, or a contaminant listed in Table I in s. NR 605.08.

SECTION 3. NR 600.03(108m) is created to read:

NR 600.03(108m) "Inorganic solid debris" means nonfriable inorganic solids contaminated with D004 to D011 hazardous wastes that are incapable of passing through a 9.5 mm standard sieve and that require cutting or crushing and grinding in mechanical sizing equipment prior to stabilization, and are limited to the following inorganic or metal materials:

- (a) Metal slags (either dross or scoria)
- (b) Glassified slag,
- (c) Glass,
- (d) Concrete excluding cementitious or pozzolanic stabilized hazardous wastes,
- (e) Masonry and refractory bricks,
- (f) Metal cans, containers, drums or tanks,
- (g) Metal nuts, bolts, pipes, pumps, valves, appliances or industrial equipment, or
- (h) Scrap metal.

SECTION 4. NR 600.03(142)(note) is amended to read:

NR 600.03(142)(note) Note: Tanks and tank systems that are owned or operated by small quantity generators or tank systems and tank system components which are underground and non-enterable for inspection, which

construction or installation commenced between July 14, 1986 and March 1, 1991, are subject to the provisions in 40 CFR 264, Subpart J, July 1, 1991, or 40 CFR 265, Subpart J, July 1, 1990.

Note: The publication containing the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 5. NR 600.03(148m) and (237m) are created to read:

NR 600.03(148m) "Nonwastewaters" means wastes that do not meet the criteria for wastewaters in sub. (239).

(237m) "Wastewaters" means wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS), with the following exceptions:

(a) F001, F002, F003, F004, F005, wastewaters are solvent-water mixtures that contain less than 1% by weight TOC or less than 1% by weight total F001, F002, F003, F004, F005 solvent constituents listed in s. NR 675.21 table CCWE.

(b) K011, K013, K014 wastewaters contain less than 5% by weight TOC and less than 1% by weight TSS, as generated:

(c) K103 and K104 wastewaters contain less than 4% by weight TOC and less than 1% by weight TSS.

SECTION 6. NR 600.10(1)(intro) is amended to read:

NR 600.10 INCORPORATION BY REFERENCE. (1) CODE OF FEDERAL REGULATIONS. The federal regulations or Appendix materials ~~in effect on April 23, 1987~~ listed in this subsection are incorporated by reference in the corresponding

paragraphs of this subsection. Copies of these materials are available for inspection in the offices of the department of natural resources, secretary of state and revisor of statutes, Madison, Wisconsin or may be purchased for personal use from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402.

SECTION 7. NR 600.10(1)(a) is repealed

SECTION 8. NR 600.10(1)(b) is renumbered (1)(a) and amended to read:

NR 600.10(1)(a) 40 CFR 60, Appendix A, July 1, 1991, Reference Methods 1 to 5 and 10, U.S. Environmental Protection Agency regulations on reference methods for the analysis of stack gases from stationary sources, for ss. NR 665.07(2)(a)10. and 665.09(15)(f).

SECTION 9. NR 600.10(1)(b) is created to read:

NR 600.10(1)(b) 40 CFR 261, Appendix II, July 1, 1990, Toxicity Characteristic Leaching Procedure, for ss. NR 605.08(5), 675.07(1)(a), (f), (2)(a), (g)2., 675.20(1) and 675.21.

SECTION 10. NR 600.10(1)(c) and (d) are repealed.

SECTION 11. NR 600.10(1)(d) is created to read:

NR 600.10(1)(d) 40 CFR 268; Appendix IX as of the federal register dated

January 31, 1991, Extraction Procedure Toxicity Test Method and Structural Integrity Test, for ss. NR 675.07(1)(b) and 675.20(1).

SECTION 12. NR 600.10(1)(e) is renumbered (1)(c) and amended to read:

NR 600.10(1)(c) 40 CFR 264, Appendix IV, July 1, ~~1986~~, 1990 definition of Cochran's Approximation to the Behrens-Fisher ~~Student's T Test~~ student's t-test, for s. NR 635.12(14)(a)1.

SECTION 13. NR 600.10(1)(f) to (j) are repealed.

SECTION 14. NR 600.10(1)(k) and (l) are renumbered (1)(e) and (f) and amended to read:

NR 600.10(1)(e) 49 CFR 173.51, October 1, ~~1986~~ 1990, definition of "forbidden explosives", 49 CFR 173.53, October 1, ~~1986~~ 1990, definition of "Class A explosives" and 49 CFR 173.88, October 1, ~~1986~~ 1990, definition of "Class B explosives, for s. NR 605.08(4)(a)8:

(f) 49 CFR 173.300, October 1, ~~1986~~ 1990, definition of "compressed gas", for s. NR 605.08(2)(a)3.

SECTION 15. NR 600.10(1)(m) and (n) are repealed.

SECTION 16. NR 600.10(2)(a)1. is repealed.

SECTION 17. NR 600.10(2)(a)2. to 44. are renumbered NR 600.10(2)(a)1., 43., 5., 6., 37., 9., 29., 39., 10., 24., 11., 12., 30., 31., 40., 41., 18., 36., 3., 33., 34., 42., 19., 20., 21., 22., 23., 26., 27., 32., 17., 28., 15., 8., 35., 7., 16., 13., 38., 25., 14. and 4., respectively, and (2)(a) 1., 5., 31., 39. and 40., as renumbered, are amended to read:

NR 600.10(2)(a)1. ASTM standard ~~D-93-80~~, D-93-85, "Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester", for s. NR 605.08(2)(a)1.

5. ASTM standard D-323-82, "Standard Test Method for Vapor Pressure of Petroleum Products (REID Method)", from the Annual Book of ASTM Standards - 1980, for s. NR ~~605(2)(a)3~~ 605.08(2)(a)3.

31. ASTM standard D-1557-78, "Standard Test Methods for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10-lb. (4.54 kg) Rammer and 18 in. (457 mm) Drop", for ss. NR 660.10(2)(b)2.c.4), 660.13(10)(d)8., ~~660.15(1)(a)2.~~ 660.15(1)(a)2.b. and 660.16(1)(e)3.

39. ASTM standard D-2487-69 (reapproved 1975), "Standard Test Method for Classification of Soils for Engineering Purposes", for ss. NR 600.03(26), 660.06(1)(g)2., 660.13(10)(c)3. and (d)5. and ~~660.16(2)(e)5.~~ 660.16(1)(c)5.

40. ASTM standard D-2922-81, "Standard Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth)", for s. NR 660.10(2)(b)2.c.3) and e.4).

SECTION 18. NR 600.10(2)(b)1. and 2. are amended to read:

NR 600.10(2)(b)1. SW-846, "Test Methods for Evaluating Solid Waste", second edition, 1982, as amended by update I in April, 1984 and update II in April, 1985, for ss. NR 600.03(81), 605.08(3)(a)1. and 2., 605.09(2)(a) F500;

~~605.11, (2), (4)(a), (b) and (c), 605 Appendix I(6) and (7) and Appendix II and Appendix V, 645.02(1) 645.09(1), 600.13(7) 660.13(7), and 665.06(1)(d)1.d. and (d)2., (e)1.c. and d. and 675.12(4).~~

2. EPA-600/8-84-002, Report on "Sampling and Analysis Methods for Hazardous Waste Combustion" (on Microfiche), for ss. NR 665.06(1)(d)1.d., ~~665.06(1)(d)2., (e)1.c., and d. and~~ 665.07(2)(a)10. and 665.09(15)(f).

SECTION 19. NR 600.10(2)(d) is amended to read:

NR 600.10(2)(d) Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

The Standard Industrial Classification (SIC) Manual, 1972, as amended by the 1977 Supplement, U.S. Government Printing Office Stock Numbers 4101-0066 and 003-005-00176-0, respectively, for s. NR ~~606.09(2)(b)~~ 605.09(2)(b) Table III, K062.

SECTION 20. NR 600.10(2)(e) is repealed.

SECTION 21. NR 605.04(3)(a)(note) is created to read:

NR 605.04(3)(a)(note) Note: However, wastes that exhibit a characteristic at the point of generation may still be subject to the requirements of ch. NR 675 even if the wastes no longer exhibit a characteristic at the point of land disposal.

SECTION 22. NR 605.05(1)(a)5., 9.(intro), 10.(intro.) and 16. are amended to

read:

NR 605.05(1)(a)5. ~~Discarded~~ Solid waste which consists of discarded wood or wood products which fail the test for the ~~characteristic of EP toxicity given in s. NR 605.08(5) and are~~ toxicity characteristic solely for arsenic and which is not a hazardous waste for any other reason, if the waste is generated by persons who utilize arsenical-treated wood and wood products for the intended end use of these materials.

9.(intro) Wastes which fail the test for the ~~characteristic of EP toxicity~~ characteristic because chromium is present or are listed in s. NR 605.09 due to the presence of chromium, which do not fail the test for the ~~characteristic of EP toxicity~~ characteristic for any other constituent or are not listed due to the presence of any other constituent, and which do not fail the test for any other characteristic, if it is shown by a waste generator or waste generators that:

10.(intro.) Specific wastes which meet the standard in ~~subd. 8.~~ subd. 9. as long as they do not fail the test for the ~~characteristic of EP toxicity~~ characteristic, and do not fail the test for any other characteristic are:

16. Any mixture of domestic sewage and other wastes that passes through a sewer system to a ~~publiclyowned~~ publicly owned treatment works for treatment. "Domestic sewage" means untreated sanitary wastes that pass through a sewer system.

SECTION 23. NR 605.05(1)(a)17., 18. and 19. are created to read:

NR 605.05(1)(a)17. Petroleum contaminated media and debris that fail the test for the toxicity characteristic of s. NR 605.08(5) for any one or more of the hazardous waste codes D018 to D043 and are subject to the corrective

action regulations under 40 CFR 280, July 1, 1990.

Note: The publication containing the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

18. Used oil that exhibits one or more of the characteristics of hazardous waste but is recycled in some other manner than being burned for energy recovery.

19. Used chlorofluorocarbon refrigerants from totally enclosed heat transfer equipment, including mobile air conditioning systems, mobile refrigeration and commercial and industrial air conditioning and refrigeration systems that use chlorofluorocarbons as the heat transfer fluid in a refrigeration cycle, provided the refrigerant is reclaimed for further use.

SECTION 24. NR 605.05(4)(a)3. is amended to read:

NR 605.05(4)(a)3. The sample is being transported to the laboratory or testing facility for the purpose of conducting a treatability study; ~~or~~ and

SECTION 25. NR 605.08(1)(b), (2)(a)1., 3. and (2)(b) are amended to read:

NR 605.08(1)(b) A hazardous waste which is identified by a characteristic in this section, ~~but is not listed as a hazardous waste in s. NR 605.09,~~ is assigned the every hazardous waste number ~~for that characteristic in that is applicable as set forth in~~ this section. This number shall be used in complying with the notification requirements in s. NR 600.05 and all applicable record-keeping and reporting requirements under chs. NR

~~610, 615, 620 and 630~~ 600 to 680.

(2)(a)1. It is a liquid, other than an aqueous solution containing less than 24% alcohol by volume, and has a flash point less than 60°C (140°F), as determined by a Pensky-Martens closed cup tester, using the test method specified in ASTM standard ~~D-93-79, or D-93-80, D-93-85,~~ or a Setaflash closed cup tester, using the test method specified in ASTM standard ~~D-3278-78, D-3278-82,~~ or as determined by an equivalent test method approved by EPA.

Note: The publication containing these standards may be obtained from:

American Society for Testing and Materials
1916 Race Street
Philadelphia, PA 19603

The publications containing these standards are available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

3. It is an ignitable compressed gas as defined in 49 CFR 173.300 ~~[November 1, 1985]~~ October 1, 1990, and as determined by the test methods described in that regulation, ASTM standard ~~D-323~~ D-323-82, or equivalent test methods approved by EPA.

Note: The publication containing ~~this regulation~~ the CFR reference may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402

The ASTM publication may be obtained from:

American Society for Testing and Materials
1916 Race Street
Philadelphia, PA 19103

~~The publication containing this regulation is~~ These publications are available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

(b) A solid waste that exhibits the characteristic of ignitability, ~~but~~

~~is not listed as hazardous waste in s. NR 605.09(2)~~, has the hazardous waste number of D001.

SECTION 26. NR 605.08(3)(a)1.(note) is renumbered 605.08(3)(a)2.(note) and amended to read:

NR 605.08(3)(a)2.(note) Note: ~~This publication~~ Publication SW-846 may be obtained from:

~~The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402~~

National Technical Information Service
U.S. Department of Commerce
Springfield, Virginia 22161

This publication is available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

SECTION 27. NR 605.08(3)(b), (4)(a)8., (b), (5)(title), (a) and (b) are amended to read:

NR 605.08(3)(b) A solid waste that exhibits the characteristic of corrosivity, ~~but is not listed as a hazardous waste in s. NR 605.09(2)~~, has the hazardous waste number of D002.

(4)(a)8. It is a forbidden explosive as defined in 49 CFR 173.51 ~~{November 1, 1985}~~ October 1, 1990, or a Class A explosive as defined in 49 CFR 173.53 ~~{November 1, 1985}~~ October 1, 1990, or a Class B Explosive as defined in 49 CFR 173.88 ~~{November 1, 1985}~~ October 1, 1990.

Note: The publications containing these regulations may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office

Washington, D.C. 20402

(b) A solid waste that exhibits the characteristic of reactivity, ~~but is not listed as a hazardous waste in s. NR 605.09(2)~~, has the hazardous waste number of D003.

(5)(title) TOXICITY CHARACTERISTIC. (a) A solid waste exhibits the characteristic of ~~extraction procedure (EP)~~ toxicity if, using the test methods described in ~~s. NR 605.11~~ 40 CFR 261, Appendix II, July 1, 1990, or equivalent methods approved by EPA under the procedures set forth in 40 CFR 260.20 and 260.21, the extract from a representative sample of the waste contains any of the contaminants listed in table I at a concentration equal to or greater than the respective value given in that table. Where the waste contains less than 0.5% filterable solids, after filtering using the methodology in 40 CFR 261, Appendix II, July 1, 1990, is considered to be the extract for the purpose of this section.

Note: The publication containing the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

This publication is available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

(b) A solid waste that exhibits the characteristic of ~~EP~~ toxicity, ~~but is not listed as a hazardous waste in s. NR 605.09(2)~~, has the hazardous waste number specified in table I which corresponds to the toxic contaminant causing it to be hazardous.

SECTION 28. NR 605.08(5) Table I is repealed and recreated to read:

Table 1. -- Maximum Concentration of Contaminants for the Toxicity Characteristic

EPA HW No. ¹	Contaminant	CAS No. ²	Regulatory Level (mg/L)
D004	Arsenic	7440-38-2	5.0
D005	Barium	7440-39-3	100.0
D018	Benzene	71-43-2	0.5
D006	Cadmium	7440-43-9	1.0
D019	Carbon tetrachloride	56-23-5	0.5
D020	Chlordane	57-74-9	0.03
D021	Chlorobenzene	108-90-7	100.0
D022	Chloroform	67-66-3	6.0
D007	Chromium	7440-47-3	5.0
D023	o-Cresol	95-48-7	4 200.0
D024	m-Cresol	108-39-4	4 200.0
D025	p-Cresol	106-44-5	4 200.0
D026	Cresol	4 200.0
D016	2,4-D	94-75-7	10.0
D027	1,4-Dichlorobenzene	106-46-7	7.5
D028	1,2-Dichloroethane	107-06-2	0.5
D029	1,1-Dichloroethylene	75-35-4	0.7
D030	2,4-Dinitrotoluene	121-14-2	3 0.13
D012	Endrin	72-20-8	0.02
D031	Heptachlor (and its epoxide)	76-44-8	0.008
D032	Hexachlorobenzene	118-74-1	3 0.13
D033	Hexachlorobutadiene	87-68-3	0.5
D034	Hexachloroethane	67-72-1	3.0
D008	Lead	7439-92-1	5.0
D013	Lindane	58-89-9	0.4
D009	Mercury	7439-97-6	0.2
D014	Methoxychlor	72-43-5	10.0
D035	Methyl ethyl ketone	78-93-3	200.0
D036	Nitrobenzene	98-95-3	2.0
D037	Pentachlorophenol	87-86-5	100.0
D038	Pyridine	110-86-1	3 5.0
D010	Selenium	7782-49-2	1.0
D011	Silver	7440-22-4	5.0
D039	Tetrachloroethylene	127-18-4	0.7
D015	Toxaphene	8001-35-2	0.5
D040	Trichloroethylene	79-01-6	0.5
D041	2,4,5-Trichlorophenol	95-95-4	400.0
D042	2,4,6-Trichlorophenol	88-06-2	2.0
D017	2,4,5-TP (Silvex)	93-72-1	1.0

D043 Vinyl chloride 75-01-4 0.2

¹ Hazardous waste number.

² Chemical abstracts service number.

³ Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.

⁴ If o-, m-, and p-Cresol concentrations cannot be differentiated, the total cresol (D026) concentration is used. The regulatory level of total cresol is 200 mg/l.

SECTION 29. NR 605.09(1)(b)4. and 6.(note) are amended to read:

NR 605.09(1)(b)4. ~~EP-toxic~~ Toxicity characteristic waste (E)

6.(note) Note: Appendix III identifies the constituent which caused the department to list the waste as a ~~EP-toxic~~ toxicity characteristic waste (E) or toxic waste (T) in sub. (2)(a) and (b).

SECTION 30. NR 605.09(2)(a) Table II Entry F039 is created to read:

F039 Leachate (liquids that have percolated through land disposed (T) wastes) resulting from the disposal of more than one restricted waste classified by more than one waste code under s. NR 605.09, or from a mixture of wastes classified as hazardous under s. NR 605.09. Leachate resulting from the disposal of one or more of the following hazardous wastes and no other hazardous wastes retains its hazardous waste code(s): F020, F021, F022, F026, F027 or F028.

SECTION 31. NR 605.09(2)(a) Table II (note) is amended to read:

Note: The publication SW-846, "Test Methods for Evaluating Solid Waste", may be obtained from:

~~The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402~~

National Technical Information Service

U.S. Department of Commerce
Springfield, Virginia 22161

The publication containing the ASTM method may be obtained from:

American Society for Testing and Materials
1916 Race Street
Philadelphia, PA 19103

The publications are available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

SECTION 32. NR 605.09(2)(b) Table III (note) is created to read:

Note: The Standard Industrial Classification Manual may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

This publication is available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

SECTION 33. NR 605.09(3)(a)3. is amended to read:

NR 605.09(3)(a)3. Any container or inner liner removed from a container that has held any commercial chemical product or manufacturing chemical intermediate having a generic name listed in table IV, par. (b) or (c) or off-specification chemical product or manufacturing chemical intermediate which, if it met specifications, would have a generic name listed in table IV or table V, unless the container is empty under the criteria in s. NR ~~605.06(5)~~ 605.06(3) to (5).

SECTION 34. NR 605.10(1) is renumbered NR 605.10(1)(a).

SECTION 35. NR 605.10(1)(a)(note) is created to read:

NR 605.10(1)(a)(note) Note: The publication containing Title 42 of the United States Code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 36. NR 605.10(1)(b) to (e) are created to read:

NR 605.10(1)(b) If EPA denies a petition for delisting the department shall recognize that denial.

(c) Persons who have had their petition for delisting approved by EPA shall continue to manage their wastes in compliance with any applicable restrictions established under chs. NR 600 to 685 unless and until the department recognizes EPA's delisting approval. A person may petition the department to recognize an EPA delisting by submitting the following to the department:

1. Copies of all materials and information submitted to EPA concerning the delisting petition.
2. Copies of all materials and information received from EPA, including the EPA notice of delisting.
3. All other information that the department determines is necessary to evaluate the delisting petition.

(d) When determining whether or not to recognize an EPA granted delisting the department shall:

1. Consider all available information including, but not limited to, the information submitted by the applicant to EPA; and
2. Apply the same criteria as applied by EPA under 40 CFR 260.22 as of July 1, 1990.

Note: The publication containing the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

(e) The department shall recognize an EPA granted delisting unless the department clearly establishes that a delisting would threaten human health or the environment.

SECTION 37. NR 605.10(6)(note) is amended to read:

NR 605.10(6)(note) Note: For the purpose of this section, petitions under subs. (2) and (6) are petitions for rules under s. 227.12, Stats. The publication containing Title 42 of the United States Code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 38. NR 605.11 is repealed.

SECTION 39. NR 605.13 is created to read:

NR 605.13 PCB WASTES REGULATED UNDER TOXIC SUBSTANCES CONTROL ACT. The disposal of PCB containing dielectric fluid and electric equipment containing such fluid authorized for use and regulated under 40 CFR 761, July 1, 1990, and that are hazardous only because they fail the test for the toxicity characteristic, hazardous codes D018 to D043 only, are exempt from regulation under chs. NR 600 to 685 and the notification requirements of section 3010 of RCRA.

Note: The publication containing the CFR references may be obtained

from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 40. NR 605 Appendix I(1) to (5) and (7)(note) are amended to read:

NR 605 Appendix I(1) For extremely viscous liquid - ASTM Standard ~~D140-~~
~~70~~ D-140-70

(2) For crushed or powdered material - ASTM Standard ~~D346-78~~ D-346-78

(3) For soil or rock-like material - ASTM Standard ~~D420-69~~ D-420-69

(4) For soil-like material - ASTM Standard ~~D1452-80~~ D-1452-80

(5) For fly ash-like material - ASTM Standard ~~D2234-76~~ D-2234-76

(7)(note) Note: ~~This publication~~ Publication SW-846 may be obtained
from:

~~Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402~~

National Technical Information Service
U.S. Department of Commerce
Springfield, Virginia 22161

This publication is available for inspection at the offices of the
department, the secretary of state and the revisor of statutes.

SECTION 41. NR 605 Appendix II(intro.)(note) is created to read:

NR 605 Appendix II(intro.)(note) Note: Publication SW-846 may be
obtained from:

National Technical Information Service
U.S. Department of Commerce
Springfield, Virginia 22161

This publication is available for inspection at the offices of the
department, the secretary of state and the revisor of statutes.

SECTION 42. NR 605 Appendix III Entry F039 is created to read:

BASIS FOR LISTING HAZARDOUS WASTES

Hazardous
Waste Number

Hazardous Constituents for Which Listed

F039

All constituents for which treatment standards are specified for multi-source leachate wastewaters and nonwastewaters under s. NR 675.23(1), table CCW.

SECTION 43. NR 605 Appendix V Method 8280 step 9.2.1 (note) is created to read:

NR 605 Appendix V Method 8280 step 9.2.1 (note) Note: The publication SW-846 may be obtained from:

National Technical Information Service
U.S. Department of Commerce
Springfield, Virginia 22161

This publication is available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

SECTION 44. NR 605 Appendix V Footnote 7 (note) is created to read:

NR 605 Appendix V Footnote 7 (note) Note: The publication SW-846 may be obtained from:

National Technical Information Service
U.S. Department of Commerce
Springfield, Virginia 22161

SECTION 45. NR 610.05(3)(intro) is amended to read:

NR 610.05(3)(intro) ~~if~~ For purposes of compliance with ch. NR 675 or if the waste is not listed as a hazardous waste in s. NR 605.09, ~~then~~ the generator shall determine whether the waste is ~~hazardous because it exhibits any of the characteristics~~ identified in s. NR 605.08. This determination shall be made by either:

SECTION 46. NR 610.07(1)(c)1.b., 2.c.(note) and (2)(note) are amended to read:

NR 610.07(1)(c)1.b. Have interim status under 40 CFR Parts 265 and 270, July 1, 1990; or

2.c.(note) Note: The specific requirements for landfills accepting hazardous wastes from very small quantity generators is contained in s. NR 506.15. Note: The publications containing the CFR references and Title 42 of the United States Code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

(2)(note) Note: If any person mixes a hazardous waste not exempt from full regulation under sub. (1) with a solid waste, the resultant mixture is subject to full regulation.

Note: If a very small generator mixes hazardous waste with used oil, the resultant mixture is subject to 40 CFR 266, Subpart E, July 1, 1990 if the resultant mixture is destined to be burned for energy recovery. Note: The publication containing the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 47. NR 610.08(1)(h), (i)(intro), (j) and (u)3.d are amended to read:

NR 610.08(1)(h) Packaging. Before transporting or offering hazardous waste for transportation off-site, small quantity generators shall package the hazardous waste to be shipped in accordance with DOT regulations on packaging in 49 CFR Parts 173, 178 and 179, October 1, ~~1988~~ 1990.

(i)(intro) Labeling and marking. Before transporting hazardous waste or offering hazardous waste for transportation off-site, small quantity generators shall mark and label each package in accordance with applicable DOT regulations on hazardous materials in 49 CFR Part 172, October 1, ~~1988~~ 1990.

(j) Placarding. Before transporting hazardous waste or offering

hazardous waste for transportation off-site, a small quantity generator shall placard or offer the initial transporter the appropriate placards required by DOT regulations for hazardous materials in 49 CFR Part 172, Subpart F, October 1, ~~1988~~ 1990.

Note: The publications containing ~~these regulations~~ the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The publications containing these regulations are available for inspection at the offices of the department of natural resources, the secretary of state and the revisor of statutes.~~

(u)3.d. Telephone the division of emergency government and comply with the requirements of s. 144.76, Stats., ch. NR 158 and ~~SARA Title III~~ the emergency planning and community right-to-know act of 1986, 42 USC §§ 11001 et seq.;

Note: The division of emergency government's 24-hour number is (608) 266-3232. Collect calls are accepted. In addition, 40 CFR 302, July 1, 1990 may require the small quantity generator to notify the national response center of certain releases. Note: The publications containing the CFR references and Title 42 of the United States Code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 48. NR 615.05(3)(a)2.a.(note), (4)(a)5. and (5)(c) are amended to read:

NR 615.05(3)(a)2.a.(note) Note: The publication containing ~~these regulations~~ Title 42 of the United States Code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

(4)(a)5. The generator shall comply with the contingency plan and emergency procedures in s. NR 630.22 ~~and, the~~ personnel training requirements in s. NR 630.16, the preparedness and prevention requirements in s. NR 630.21 and the waste analysis requirements in s. NR 675.07(1)(i).

(5)(c) The generator shall remove all hazardous wastes which accumulate in the tank as a result of a spill or ~~in as timely a manner as possible to prevent harm to human health and the environment if the owner or operator can demonstrate to the department that the removal of the released waste cannot be accomplished within 24 hours.~~ leak within 24 hours or at the earliest practicable time if the owner can demonstrate to the department that existing detection technologies or site conditions will not allow detection of a release within 24 hours; and

SECTION 49. NR 615.06(3)(intro) is amended to read:

NR 615.06(3)(intro) ~~if~~ For purposes of compliance with ch. NR 675 or if the waste is not listed as a hazardous waste in s. NR 605.09, ~~then~~ the generator shall determine whether the waste is ~~a characteristic hazardous waste identified in s. NR 605.08~~ by either:

SECTION 50. NR 615.08(4), (8)(f) and (8)(k)(note) are amended to read:

NR 615.08(4) A generator may also specify on the manifest one alternate facility which meets the requirements of sub. (3) in accordance with sub. (2) and which is licensed to handle the generator's waste in the event an emergency prevents delivery of the waste to the primary designated facility. If the alternate facility is located in a different state than the designated facility under sub. (3), and the state in which the alternate facility is

located supplies a uniform manifest form and requires its use, the generator shall provide the transporter with a second uniform manifest form from the alternate facility state which is completed in accordance with sub. (8) or (9). When the second uniform manifest is completed, the generator shall void the original manifest.

(8)(f) The U.S. DOT description of the waste including the proper shipping name, hazard class and identification number required by 49 CFR 172.101, 172.102, 172.202 and 172.203, ~~November 1, 1985~~ October 1, 1990.

Note: The publication containing ~~these regulations~~ the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The publications containing these regulations are available for inspection at the offices of the department, the secretary of state and the revisor of statutes.~~

(k)(note) Note: The publication containing ~~these regulations~~ Title 42 of the United States Code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 51. NR 615.09(1) to (3) are amended to read:

NR 615.09(1) PACKAGING. Before transporting hazardous waste or offering hazardous waste for transportation, every generator shall package the hazardous waste to be shipped in accordance with U. S. DOT regulations on packaging in 49 CFR Parts 173, 178 and 179, ~~November 1, 1985~~ October 1, 1990.

(2) LABELING AND MARKING. Before transporting hazardous waste or offering hazardous waste for transportation off-site, a generator shall label and mark each package in accordance with applicable U. S. DOT regulations on

hazardous materials in 49 CFR Part 172, ~~November 1, 1985~~ October 1, 1990.

~~Note: The publication containing these regulations may be obtained from:~~

~~The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402~~

(3) PLACARDING. Before transporting hazardous waste, or offering hazardous waste for transportation off-site, a generator shall offer the initial transporter the appropriate placards required by U. S. DOT regulations for hazardous materials in 49 CFR Part 172, Subpart F, ~~November 1, 1985~~ October 1, 1990.

Note: The publications containing ~~these regulations~~ the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402

~~The publications containing these regulations are available for inspection at the offices of the department, the secretary of state and the revisor of statutes.~~

SECTION 52. NR 615.12(1)(a)(intro.), 1.a.1) and (j)7. are amended to read:

NR 615.12(1)(a)(intro.) The primary exporter shall notify the department and the EPA administrator in writing 60 days before the initial shipment of hazardous waste to each country in each calendar year. This notification may cover export activity that extends over a 12 month or lesser period. Notices sent to the EPA administrator shall be sent to:

Office of ~~International Activities (A106)~~ Waste Programs Enforcement
RCRA Enforcement Division (OS-520)

U.S. Environmental Protection Agency
401 M Street, S.W.

Washington, D.C. 20460

with "Attention: Notification of Intent to Export" prominently displayed on the front of the envelope.

1.a.1) A description of the hazardous waste and the hazardous waste number from ss. NR 605.08 and 605.09, U.S. DOT proper shipping name, hazard class and ID number for each hazardous waste as identified in 49 CFR Parts 171 to 177 October 1, 1990;

Note: The publication containing ~~these regulations~~ the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

(j)7. Reports shall be sent to the following address: ~~Office of International Activities (A-106)~~ Waste Programs Enforcement, RCRA Enforcement Division (OS-520), Environmental Protection Agency, 401 M Street, SW., Washington, ~~DC~~ D.C. 20460 and Wisconsin Department of Natural Resources, Bureau of Solid and Hazardous Waste Management, P.O. Box 7921, Madison, WI 53707.

SECTION 53. NR 620.04(2) is amended to read:

NR 620.04(2) A person who transports waste lead-acid batteries destined for recycling and who complies with s. NR ~~610.09~~ 625.12.

SECTION 54. NR 620.07(4)(a)(note) is repealed.

SECTION 55. NR 620.10(1)(b), (c) and (2) are amended to read:

NR 620.10(1)(b) Give notice as required by 49 CFR 171.15, ~~amended June~~

~~19, 1989 and effective January~~ October 1, 1990, to the national response center at (800) 424-8802.

(c) Report in writing as required by 49 CFR 171.16, ~~amended June 19, 1989 and effective January~~ October 1, 1990, to the director, office of hazardous materials regulations, materials transportation bureau, U. S. DOT, Washington, D.C. 20590.

(2) A bulk shipment water transporter who has discharged hazardous waste shall give the same notice as required by 33 CFR 153.203, July 1, ~~1988~~ 1990, for oil and hazardous substances.

Note: The publications containing ~~these regulations~~ the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The publications containing these regulations are available for inspection at the office of the department, the secretary of state and the revisor of statutes.~~

SECTION 56. NR 620.11(2) to (4) are amended to read:

NR 620.11(2) A transporter may not move a transport vehicle containing hazardous waste unless the hazardous waste is packaged in accordance with the applicable requirements of 49 CFR Part 173, ~~November 1, 1985~~ October 1, 1990.

(3) A transporter may not transport hazardous waste unless the hazardous waste packages are labeled and marked in accordance with the applicable requirements of 49 CFR Part 172, ~~November 1, 1985~~ October 1, 1990.

(4) A transporter may not move a transport vehicle containing hazardous waste unless it is placarded in accordance with the applicable requirements of 49 CFR Part 172, ~~November 1, 1985~~ October 1, 1990.

Note: The publications containing ~~these regulations~~ the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The publications containing these regulations are available for inspection at the office of the department, the secretary of state and the revisor of statutes.~~

SECTION 57. NR 620.12(3)(note) is amended to read:

NR 620.12(3)(note) Note: U. S. DOT regulations concerning operational aspects of transportation of hazardous materials on public highways are given in 49 CFR Part 177, ~~November 1, 1988~~ October 1, 1990.

SECTION 58. NR 625.07(2)(a) is amended to read:

NR 625.07(2)(a) Used oil burned for energy recovery which is also a hazardous waste solely because it exhibits the characteristic of hazardous waste ~~EP~~ toxicity identified in s. NR 605.08, is subject to regulation under 40 CFR 266, Subpart E, July 1, 1990, rather than this section.

Note: The publication containing ~~these regulations~~ the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 59. NR 625.07(6)(e)2.(note) is created to read:

NR 625.07(6)(e)2.(note) Note: The publication containing Title 42 of the United States Code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 60. NR 630.04(1)(intro.) is amended to read:

NR 630.04(1)(intro.) The owner or operator of a wastewater treatment unit that treats waste from on-site. This exemption also applies to a wastewater treatment unit that treats waste from off-site if the owner or operator of a unit that treats waste from off-site complies with pars. (a) to (d). This exemption does not apply to the treatment, storage or disposal of sludges, residues or other hazardous waste produced during the treatment process when this material is removed from the wastewater treatment unit or when the treatment process ceases. This exemption shall apply to the wastewater treatment units which treat waste from off-site if the owner or operator complies with the following requirements:

SECTION 61. NR 630.13(1)(h)3. is amended to read:

NR 630.13(1)(h)3. The annual removal of residues which do not exhibit a characteristic of hazardous waste, and which do not meet the treatment standards of ss. NR 675.20 to 675.24 or, where no treatment standards have been established, the annual removal of residues which do not meet the applicable prohibition levels of ss. NR ~~675.10 to 675.12~~ 675.11 to 675.13 or 42 USC 6924(d).

Note: The publication containing ~~the federal regulation~~ Title 42 of the United States Code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 62. NR 630.22(1)(g) is amended to read:

NR 630.22(1)(g) If the owner or operator has already prepared a spill

prevention, control and countermeasures (SPCC) plan in accordance with 40 CFR Part 112, July 1, ~~1986~~ 1990, this plan need only be amended to incorporate hazardous waste management provisions that are sufficient to comply with the requirements of s. NR 600.04 and chs. NR 630 to 685.

Note: The publication containing ~~this regulation~~ the CFR reference may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402

~~The publication containing this regulation is available for inspection at the offices of the department, the secretary of state and the revisor of statutes.~~

SECTION 63. NR 635.05(1)(b) and (2)(intro.) are amended to read:

NR 635.05(1)(b) A surface impoundment, waste pile or landfill that receives hazardous waste after July 26, 1982 or proposes to accept hazardous waste is a regulated unit and shall comply with the requirements of ss. NR 635.05 to 635.15 in lieu of s. NR ~~635.17~~ 635.16 for purposes of detecting, characterizing and responding to releases to any underlying aquifer. The financial responsibility requirements of s. NR ~~635.16~~ 635.17 apply to regulated units;

(2)(intro.) The requirements of this chapter apply during the active life of the regulated unit, including the closure period. After closure of the regulated unit, the requirements of this chapter:

SECTION 64. NR 635.12(14)(a)1. is amended to read:

NR 635.12(14)(a)1. The owner or operator shall take at least 4 portions from a sample at each well at or beyond the design management zone and

determine whether the difference between the mean of the constituent at each well, using all portions taken, and the background value for the constituent is significant at the 0.05 level using ~~the~~ Cochran's approximation to the Behrens-Fisher student's t-test, 40 CFR 264, Appendix IV, July 1, 1986. If the test indicates that the difference is significant, the owner or operator shall repeat the same procedure, with at least the same number of portions as used in the first test, with a fresh sample from the monitoring well. If this second round of analyses indicates that the difference is significant, the owner or operator shall conclude that a statistically significant change has occurred; or

Note: Cochran's approximation to the Behrens-Fisher student's t-test can be found in 40 CFR This publication may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

This publication is available for inspection at the offices of the department, the secretary of state, and the revisor of statutes.

SECTION 65. NR 635.13(8)(e)1. is amended to read:

NR 635.13(8)(e)1. Hazardous constituents identified under par. (b) are listed in table ~~XI~~ I and their concentrations do not exceed the respective values given in that table; or

SECTION 66. NR 635.16(5)(b)1.(note) is created to read:

NR 635.16(5)(b)1.(note) Note: A description of the student's t-tests, formulae for calculation of the t-statistic and tables for comparison can be found in most introductory statistics texts.

SECTION 67. NR 635 Appendix I footnote 5 is amended to read:

NR 635 Appendix I footnote 5: Suggested Methods refer to analytical procedure numbers used in EPA Report SW-846 "Test Methods for Evaluating Solid Waste", third edition, November 1986. Analytical details can be found in SW-846 and in documentation on file with EPA. CAUTION: The methods listed are representative SW-846 procedures and may not always be the most suitable method or methods for monitoring an analyte under the regulations. Note: The publication SW-846 may be obtained from:

National Technical Information Service
U.S. Department of Commerce
Springfield, Virginia 22161

SECTION 68. NR 640.06(2)(d)3. and (3)(c)8. are amended to read:

NR 640.06(2)(d)3. A description of daily operations including, as appropriate, a discussion of the timetable for development, waste types accepted or excluded, typical waste handling techniques, hours of operation, traffic routing, drainage and erosion control, windy, wet and cold weather operations, fire protection equipment, manpower, methods for handling of incompatible waste types, methods for vector control, daily clean-up, recordkeeping, parking for visitors and employees, monitoring, backup equipment with names and telephone numbers where equipment may be obtained and other special design features. This may be developed as a removable section to improve accessibility for the site operator.

(3)(c)8. That the unloading of hazardous waste shall take place only in approved, designated areas.

SECTION 69. NR 640.07(2)(a)1.(note) is amended to read:

NR 640.07(2)(a)1.(note) Note: The publication containing ~~these regulations~~ Title 42 of the United States Code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office

Washington, D.C. 20402

SECTION 70. NR 645.04(1) is amended to read:

NR 645.04(1) A generator accumulating hazardous waste on-site in tanks in compliance with s. NR 615.05(4), except to the extent that the requirements of this chapter are made applicable under s. NR 600.07, discharge of hazardous waste and s. NR 615.05, general requirements.

SECTION 71. NR 645.08(5)(note) is amended to read:

NR 645.08(5)(note) Note: The piping system installation procedures described in American Petroleum Institute (API) Publication 1615, November, 1979, "Installation of Underground Petroleum Storage Systems," or ANSI Standard B31.3, "Petroleum Refinery Piping," and ANSI Standard B31.4, "Liquid Petroleum Transportation Piping System" may be used, where applicable, as guidelines for proper installation of piping systems. The API publication may be obtained from:

American Petroleum Institute
1220 L Street N.W.
Washington, D.C. 20005

The ANSI publications may be obtained from:

American National Standards Institute
1430 Broadway
New York, NY 10018

SECTION 72. NR 645.09(1)(note) is created to read:

NR 645.09(1)(note) Note: The publication SW-846 may be obtained from:

National Technical Information Service
U.S. Department of Commerce
Springfield, Virginia 22161

This publication is available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

SECTION 73. NR 645.12(4)(a)(note) and (6)(note) are amended to read:

NR 645.12(4)(a)(note) Note: 40 CFR 302, July 1, 1990, may require the owner or operator to notify the national response center of certain releases. Note: The publication containing the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

(6)(note) Note: Extensive repair may include but is not limited to installation of an internal liner or the repair of a ruptured tank system vessel.

Note: The department may, on the basis of any information received that there is or has been a release of hazardous waste or hazardous constituents into the environment, issue an order under s. 144.735, Stats., requiring corrective action under ch. NR 635 or other response as deemed necessary to protect human health or the environment.

Note: See s. NR 630.15(3) for the requirements necessary to remedy a failure. Also, s. 144.76, Stats., and 40 CFR 302, July 1, 1990, may require the owner or operator to notify the Wisconsin division of emergency government and the national response center of certain releases. Note: The publication containing the CFR reference may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 74. NR 645.16(2)(a)1.(note) is amended to read:

NR 645.16(2)(a)1.(note) Note: The publication containing ~~these regulations~~ Title 42 of the United States Code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 75. NR 655.09(intro.) is amended to read:

NR 655.09(intro.) SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE.
Ignitable or reactive waste may not be placed in a waste pile unless the waste and waste pile satisfy all applicable requirements of ch. NR 675 and:

SECTION 76. NR 660.08(2)(e)2.c.5)(note) is amended to read:

NR 660.08(2)(e)2.c.5)(note) Note: The publication containing ~~these standards~~ standard 54 may be obtained from:

National Sanitation Foundation
P.O. Box 1468
Ann Arbor, Michigan 48106

~~The This~~ publication ~~containing these standards~~ is available for inspection at the offices of the department, the secretary of state and revisor of statutes.

SECTION 77. NR 660.09(1)(g)11.b.(note) is amended to read:

NR 660.09(1)(g)11.b.(note) Note: The publication containing ~~these standards~~ standard 54 may be obtained from:

National Sanitation Foundation
P.O. Box 1468
Ann Arbor, MI 48106

~~The This~~ publication ~~containing these standards~~ is available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

SECTION 78. NR 660.10(2)(b)2.d.9)(note) and e.4) are amended to read:

NR 660.10(2)(b)2.d.9)(note) Note: The publication containing ~~these standards~~ standard 54 may be obtained from:

National Sanitation Foundation
P.O. Box 1468
Ann Arbor, MI 48106

~~The This~~ publication ~~containing these standards~~ is available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

e.4) Density, as specified in ASTM standards D-1556-82, ~~D-1922-81~~ D-2922-81 and D-2937-71 (1976).

SECTION 79. NR 660.13(7)(note), (8)(c)1. and 2. are amended to read:

NR 660.13(7)(note) Note: ~~This publication~~ Publication SW-846 may be obtained from:

~~The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402~~

National Technical Information Service
U.S. Department of Commerce
Springfield, Virginia 22161

This publication is available for inspection at the offices of the department, the secretary of state, and the revisor of statutes.

Note: Methods that do not use absorbents or adsorbents to treat or stabilize liquid waste are described in statutory interpretative guidance documents available from EPA.

(8)(c)1. Hazardous waste shall be packaged in non-leaking inside containers. The inside containers shall be of a design and constructed of a material, that shall not react dangerously with, be decomposed by, or be ignited by the contained waste. Inside containers shall be tightly and securely sealed. The inside containers shall be of the size and type specified in the DOT hazardous materials regulations specified in 49 CFR Parts 173, 178 and 179, ~~November 1, 1985~~ October 1, 1990, if those regulations specify a particular inside container for the waste.

2. The inside containers shall be overpacked in an open head DOT specification metal shipping container specified in 49 CFR Parts 173, 178 and 179, ~~November 1, 1985~~ October 1, 1990, of no more than 416 liter (110 gallon) capacity specified in and surrounded by a sufficient quantity of absorbent material to completely absorb all of the liquid contents of the inside containers. The metal outer container shall be full after packing with inside

containers and absorbent material.

Note: The publications containing the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 80. NR 660.13(8)(c)4.(note) is repealed.

SECTION 81. NR 660.13(8)(c)6. is created to read:

NR 660.13(8)(c)6. Such disposal is in compliance with the requirements of ch. NR 675. Persons who incinerate lab pack according to the requirements in s. NR 675.22(4)(a) may use fiber drums in place of metal outer containers. Such fiber drums shall meet the DOT specification in 49 CFR 173.12, October 1, 1990, and be overpacked according to the requirements of subd. 2.

Note: The publication containing the CFR reference may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 82. NR 665.06(1)(d)1.d. and 2.(note) are amended to read:

NR 665.06(1)(d)1.d. An identification of any hazardous organic constituents listed in ch. NR 605, Appendix IV, which are present in the waste to be burned, except that the applicant need not analyze for constituents listed in ch. NR 605, Appendix IV which would reasonably not be expected to be found in the waste. The constituents excluded from analysis shall be identified, and the basis for the exclusion stated. The waste analysis shall rely on analytical techniques specified in "Test Methods for the Evaluation of

Solid Waste, Physical/Chemical Methods, SW-846" or "Sampling and Analysis
Methods for Hazardous Waste Combustion, ~~EPA-600/8-84-002~~ EPA-600/8-84-002."

~~Note: This publication is available from:~~

~~The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402~~

2. (note) ~~Note: The first publication is available from:~~

~~The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402~~

~~The second publication is available from:~~

Note: These publications are available from:

The National Technical Information Service
U.S. Department of Commerce
Springfield, VA 22161

These publications are available for inspection at the offices of the
department, the secretary of state and the revisor of statutes.

SECTION 83. NR 665.06(1)(e)1.c.(note) is renumbered 665.06(1)(e)1.d.(note) and
amended to read:

NR 665.06(1)(e)1.d.(note) ~~Note: The first publication is available from:~~

~~The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402~~

~~The second publication is available from:~~

These publications may be obtained from:

The National Technical Information Service
U.S. Department of Commerce
Springfield, VA 22161

These publications are available for inspection at the offices of the
department, the secretary of state and the revisor of statutes.

SECTION 84. NR 665.07(2)(a)10. is amended to read:

NR 665.07(2)(a)10. All sampling and analysis shall be done in accordance with 40 CFR Part 60, ~~Appendix A Reference Methods~~ Appendix A, July 1, 1990 or "Sampling and Analysis Methods for Hazardous Waste Combustion, EPA-600/8-84-002".

Note: The publication containing the ~~regulation~~ CFR reference may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The second publication~~ Publication EPA-600/8-84-002 may be obtained from:

The National Technical Information Service
U.S. Department of Commerce
Springfield, VA 22161

These publications are available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

SECTION 85. NR 665.09(15)(f) is amended to read:

NR 665.09(15)(f) Other operating requirements as are necessary to ensure compliance with this section. All sampling and analysis shall be done in accordance with 40 CFR Part 60 Appendix A, ~~Reference Methods~~ July 1, 1990, or "Sampling and Analysis Methods for Hazardous Waste Combustion, EPA-600/8-84-200".

Note: The publication containing the ~~regulation~~ CFR reference may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The second publication~~ Publication EPA-600/8-84-002 may be obtained from:

The National Technical Information Service
U.S. Department of Commerce
Springfield, VA 22161

These publications are available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

SECTION 86. NR 675.04(1)(a) to (c) are renumbered NR 675.04(1)(b) to (d), and as renumbered (1)(b)1., 2. and 4. are amended to read:

NR 675.04(1)(b) The following conditions are met:

1. Sampling and testing. For wastes with treatment standards in ss. NR 675.20 to 675.24 or prohibition levels in ss. NR ~~675.10 to 675.14~~ 675.11 to 675.16 or both, the residues from treatment shall be analyzed as specified in s. NR 675.07 or s. NR ~~675.12~~ 675.13 to determine if they meet the applicable treatment standards or, where no treatment standards have been established for the waste, the applicable prohibition levels. The sampling method, specified in the waste analysis plan under s. NR 630.13, shall be designed such that representative samples of the sludge and the supernatant are tested separately rather than mixed to form homogeneous samples.

2. Removal. The following treatment residues, including any liquid waste, shall be removed at least annually: residues which do not meet the treatment standards promulgated under ss. NR 675.20 to 675.24; residues which do not meet the prohibition levels established under ss. NR ~~675.10 to 675.14~~ 675.11 to 675.16 or imposed by statute where no treatment standards have been established; residues which are from the treatment of wastes prohibited from disposal on land under ss. NR ~~675.10 to 675.14~~ 675.11 to 675.16 where no treatment standards have been established and no prohibition levels apply; or residues from managing listed wastes which are not delisted under s. NR

605.10. If the volume of liquid flowing through the impoundment or series of impoundments annually is greater than the volume of the impoundment or impoundments, this flow-through constitutes removal of the supernatant for the purpose of this requirement.

4. Recordkeeping. The procedures and schedule for the sampling of impoundment contents, the analysis of test data and the annual removal of residues which do not meet the treatment standards, or prohibition levels where no treatment standards have been established, or which are from the treatment of wastes prohibited from disposal on land under ss. NR ~~675.10 to 675.14~~ 675.11 to 675.16 where no treatment standards have been established and no prohibition levels apply, shall be specified in the facility's waste analysis plan as required under s. NR 630.13.

SECTION 87. NR 675.04(1)(a) is created to read:

NR 675.04(1)(a) Treatment of wastes occurs in the impoundments;

SECTION 88. NR 675.05(1)(a), (b), (c)(intro), 1. and 2., (d)(intro) and 2. and (2)(a) to (d) are amended to read:

NR 675.05(1)(a) Any person who generates, treats, stores or disposes of a hazardous waste may seek an extension to the effective date of any applicable requirement under s. NR ~~675.10 to 675.15~~ 675.11 to 675.16 by submitting an application to EPA pursuant to 40 CFR 268.5 ~~as of the federal register dated September 6, 1989~~ July 1, 1990.

(b) If EPA denies an application for an extension under 40 CFR ~~268.5 as of the federal register dated September 6, 1989~~ 268.5, July 1, 1990, the

department shall recognize that denial.

(c)(intro) Persons who have had their applications for an extension approved by EPA under 40 CFR 268.5 ~~as of the federal register dated September 6, 1989~~ July 1, 1990, shall continue to manage their wastes in compliance with any applicable restrictions established under ss. NR ~~675.10 to 675.15~~ 675.11 to 675.16 unless and until the department recognizes EPA's approval. A person may petition the department to recognize an EPA approval by submitting the following to the department:

1. Copies of all material and information received from EPA, including the extension under 40 CFR 268.5 ~~as of the federal register dated September 6, 1989~~ July 1, 1990;

2. Copies of all material and information received from EPA, including the EPA notice of approval, concerning the extension under 40 CFR ~~258.5 as of the federal register dated September 6, 1989~~ 268.5, July 1, 1990; and

(d)(intro) When determining whether to recognize an EPA-granted extension under 40 CFR 268.5 ~~as of the federal register dated September 6, 1989~~ July 1, 1990, the department shall:

2. Apply the same criteria as applied by EPA under 40 CFR 268.5 ~~as of the federal register dated September 6, 1989~~ July 1, 1990.

(2)(a) Any person who seeks an exemption from a prohibition under ss. NR ~~675.10 to 675.15~~ 675.11 to 675.16 for the disposal of a restricted hazardous waste in a particular unit or units shall submit a petition to the EPA pursuant to 40 CFR 268.6 ~~as of July 1, 1989~~ July 1, 1990.

(b) If EPA denies a petition for an exemption under 40 CFR 268.6 ~~as of July 1, 1989~~ July 1, 1990, the department shall recognize that denial.

(c) Persons who have had their petitions for an exemption approved by

EPA under 40 CFR 268.6 ~~as of July 1, 1989~~ July 1, 1990, shall continue to manage their wastes in compliance with any applicable restriction under ss. NR ~~675.10 to 675.15~~ 675.11 to 675.16 unless and until the department recognizes EPA's approval. A person may petition the department to recognize an EPA approval by submitting the following to the department:

1. Copies of all materials and information submitted to EPA concerning the exemption under 40 CFR 268.6 ~~as of July 1, 1989~~ July 1, 1990;

2. Copies of all material and information received from EPA including the EPA notice of approval concerning the exemption under 40 CFR 268.6 July 1, 1990; and

3. All other information that the department determines in necessary to evaluate the request for an exemption.

(d) When determining whether to recognize an EPA-granted exemption under 40 CFR 268.6 ~~as of July 1, 1989~~ July 1, 1990, the department shall:

1. Consider all available information including, but not limited to, the information submitted by the applicant to EPA; and

2. Apply the same criteria as applied by EPA under 40 CFR 268.6 ~~as of July 1, 1989~~ July 1, 1990.

SECTION 89. NR 675.05(3)(b)(note) is renumbered 675.05(3)(c)(note) and amended to read:

NR 675.05(3)(c)(note) Note: The publication containing ~~these regulations~~ the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The publications containing these regulations are available for~~

~~inspection at the offices of the department, the secretary of state and revisor of statutes.~~

SECTION 90. NR 675.06 is repealed and recreated to read:

NR 675.06 DILUTION PROHIBITION. (1) Except as provided in sub.(2), no generator, transporter, handler or owner or operator of a treatment, storage or disposal facility may in any way dilute a restricted waste or the residual from treatment of a restricted waste as a substitute for adequate treatment to achieve compliance with ss. NR 675.20 to 675.24, to circumvent the effective date of a prohibition in ss. NR 675.11 to 675.16, or to circumvent a land disposal prohibition imposed by 42 USC 6924.

(2) Dilution of wastes that are hazardous only because they exhibit a characteristic in a treatment system which treats wastes subsequently discharged to a water of the United States pursuant to a permit issued under section 402 of the clean water act or which treats wastes for purposes of pretreatment requirements under section 307 of the clean water act is not impermissible dilution for purposes of this section unless a method has been specified in s. NR 675.22.

Note; The publication containing title 42 of the United States code and the clean water act may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 91. NR 675.07(1)(intro.) and (a) to (e) are renumbered NR 675.07(1)(a), (c) to (f) and (h) respectively, and as renumbered, NR 675.07(1)(c)(intro.), 1.b., (d)(intro.), 1.b., 2., (e)(intro.), 1.b., (f) and

(h) are amended to read:

NR 675.07(1)(a) A Except as specified in s. NR 675.13, if a generator's waste is listed in s. NR 605.09, the generator shall test its waste or test an extract developed using the test method described in Appendix I Toxicity Characteristic Leaching Procedure (TCLP) of this chapter 40 CFR 261, Appendix II, July 1, 1990, toxicity characteristic leaching procedure (TCLP), or use knowledge of the waste, to determine if the waste is restricted from land disposal under this chapter.

Note: The publication containing this test method may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

The publication containing this test method is available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

(c)(intro.) If a generator determines that it is managing a restricted waste under this chapter and the waste exceeds the applicable treatment standards, with each shipment of waste the generator shall notify the treatment or storage facility in writing of the appropriate treatment standards in ss. NR 675.20 to 675.24 and any applicable prohibitions in s. NR 675.12, 675.13 or 42 USC 6924(d).

1.b. The corresponding treatment standard for wastes F001-F005, F039 and all applicable prohibitions in wastes prohibited pursuant to s. NR 675.12 675.13 or 42 USC 6924(d)+, Treatment standards for all other restricted wastes shall either be included or referenced by including on the notification the applicable wastewater category, the applicable subdivisions made within a waste code based on waste specific criteria, and the administrative code sections and paragraphs where the applicable treatment standard appears. Where

the applicable treatment standards are expressed as specified technologies in s. NR 675.22, the applicable 5 letter treatment code found in table I of s. NR 675.22 shall also be listed on the notification:

(d)(intro.) If a generator determines that it is managing a restricted waste under this chapter, and determines that the waste may be disposed on land without further treatment, with each shipment of waste the generator shall submit to the treatment, storage or land disposal facility a notice and a certification stating that the waste meets applicable treatment standards in ss. NR 675.20 to 675.24 and the applicable prohibition levels in s. NR ~~675.12~~ 675.13; or 42 USC 6924(d).

Note: The publication containing title 42 of the United States code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

1.b. The corresponding treatment ~~standard~~ standards for wastes F001-F005, F039 and all applicable prohibitions in wastes prohibited pursuant to s. NR ~~675.12~~; 675.13 or 42 USC 6924(d). Treatment standards for all other restricted wastes shall either be included or be referenced by including on the notification the applicable wastewater or nonwastewater, the applicable subdivisions made within a waste code based on waste specific criteria and the administrative code sections and paragraphs where the applicable treatment standard appears. Where the applicable treatment standards are expressed as specified technologies in s. NR 675.22, the applicable 5 letter treatment code found in table I of s. NR 675.22 also shall be listed on the notification.

2. The certification shall be signed by an authorized representative and shall state the following:

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in ss. NR 675.20 to 675.24 and all applicable prohibitions in s. NR ~~675.12~~ 675.13 or 42 USC 6924(d). I believe that the information I submitted is true, accurate and I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

(e)(intro.) If a generator's waste is subject to an exemption from a prohibition against the type of land disposal method utilized for the waste, such as, but not limited to, a case-by-case extension under s. NR 675.05(1) or an exemption under s. NR 675.05(2) or a nationwide capacity variance under 40 CFR 268, Subpart C, ~~as of the federal register dated September 6, 1989~~ July 1, 1990, with each shipment of waste the generator shall submit a notice to the facility receiving the waste stating that the waste is not prohibited from land disposal.

Note: The publication containing ~~these regulations~~ the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The publications containing these regulations are available for inspection at the offices of the department, the secretary of state and revisor of statutes.~~

1.b. The corresponding treatment ~~standard~~ standards for wastes F001-F005, F039 and all ~~applicable prohibitions in wastes prohibited pursuant to s.~~ NR 675.12 675.13 or 42 USC 6924(d) ~~information concerning the extension, exemption or variance;~~ Treatment standards for all other restricted wastes

may shall either be included or referenced by including on the notification the ~~subcategory of the waste, the treatability group(s) of the waste(s)~~ applicable wastewater or nonwastewater category, the applicable subdivisions made within a waste code based on waste specific criteria and the administrative code sections and paragraphs where the treatment standards appear. Where the applicable treatment standards are expressed as specified technologies in s. NR 675.22, the applicable 5 letter treatment code found in table I of s. NR 675.22 also shall be listed on the notification.

(f) If a generator determines the waste is restricted based solely on the generator's knowledge of the waste, all supporting data used to make this determination shall be retained on-site in the generator's files. If a generator determines the waste is restricted based on testing this waste or an extract developed using the test method described in ~~Appendix I of this chapter~~ 40 CFR 261, Appendix II, July 1, 1990, all waste analysis data shall be retained on-site in the generator's files.

Note: The publication containing this test method may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

The publication containing this test method is available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

(h) Generators shall retain on-site a copy of all notices, certifications, demonstrations, waste analysis data and other documentation produced pursuant to this section for at least 5 years from the date that the waste that is the subject of the documentation was last sent to on-site or off-site treatment, storage or disposal. Upon written notice from the department to the generator, the period of retention may be extended beyond 5

years. The requirements of this paragraph apply to solid wastes even when the hazardous characteristic is removed prior to disposal or when the waste is excluded from the definition of hazardous or solid waste or exempted from regulation under chs. NR 600 to 685 subsequent to the point of generation.

SECTION 92. NR 675.07(1)(b), (g) and (i) to (k) are created to read:

NR 675.07(1)(b) Except as specified in s. NR 675.13, if a generator's waste exhibits one or more of the characteristics set out at s. NR 605.08, the generator shall test an extract using the test method described in 40 CFR 268, Appendix IX, as of the federal register dated January 31, 1991, or use knowledge of the waste, to determine if the waste is restricted from land disposal under this chapter.

Note: The publication containing this regulation may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

(g) If a generator determines that it is managing a restricted waste that is excluded from the definition of hazardous or solid waste or exempt from regulation under chs. NR 600 to 685 subsequent to the point of generation, the generator shall place a ~~one-time~~ one-time notice in the facility's file stating such generation, subsequent exclusion from the definition of hazardous or solid waste or exemption from chs. NR 600 to 685 and the disposition of the waste.

(i) If a generator is managing a prohibited waste in tanks or containers regulated under ss. NR 610.08 and 615.05, and is treating the prohibited waste in the tanks or containers to meet applicable treatment standards under ss. NR

675.20 to 675.24, the generator shall develop and follow a written waste analysis plan which describes the procedures the generator will carry out to comply with the treatment standards. The plan shall be kept on-site in the generator's records and the following requirements shall be met:

1. The waste analysis plan shall be based on a detailed chemical and physical analysis of a representative sample of the prohibited wastes being treated and contain all information necessary to treat the wastes in accordance with the requirements of this chapter, including the selected testing frequency.

2. The waste analysis plan shall be filed with the department at least 30 days prior to the treatment activity, with delivery verified.

3. Wastes shipped off-site pursuant to this paragraph shall comply with the notification requirements of par. (b).

(j) If a generator is managing a lab pack that contains wastes identified in Appendix III and wishes to use the alternative treatment standards under s. NR 675.22 with each shipment of waste, the generator shall submit a notice to the treatment facility in accordance with par. (a). The generator shall also comply with the requirements in pars. (d) and (e), and shall submit the following certification signed by an authorized representative:

I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only the wastes specified in ch. NR 675, Appendix III, Wis. Adm. Code, or solid wastes not subject to regulation under chs. NR 600 to 685, Wis. Adm. Code. I am aware that there are significant penalties for submitting a false certification including the possibility of fine or imprisonment.

(k) If a generator is managing a lab pack that contains organic wastes specified in Appendix IV and wishes to use the alternate treatment standards under s. NR 675.22 with each shipment of waste the generator shall submit a notice to the treatment facility in accordance with this subsection. The generator shall also comply with the requirements in pars. (d) and (e), and shall submit the following certification signed by an authorized representative:

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste and that the lab pack contains only organic waste specified in ch. NR 675, Appendix IV or solid wastes not subject to regulation under chs. NR 600 to 685, Wis. Adm. Code. I am aware that there are significant penalties for submitting a false certification including the possibility of imprisonment.

SECTION 93. NR 675.07(2)(a), (b), (d)1.b. and (e)(intro.) and 1. are amended to read:

NR 675.07(2)(a) For wastes with treatment standards expressed as concentrations in the waste extract in s. NR 675.21, the owner or operator of the treatment facility shall test the treatment residues, or an extract of the residues developed using the test method described in ~~Appendix I~~ 40 CFR 261, Appendix II, July 1, 1990, to ensure that the treatment residues or extract meet the applicable treatment standards.

Note: The publication containing this test method may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office

Washington, D.C. 20402

The publication containing this test method is available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

(b) For wastes that are prohibited under s. NR ~~675.12~~ 675.13 but not subject to any treatment standards under ss. NR 675.20 to 675.24, the owner or operator of the treatment facility shall test the treatment residues according to the generator testing requirements specified in s. NR ~~675.12~~ 675.13 to assure that the treatment residues comply with the applicable prohibitions.

(d)1.b. The corresponding treatment ~~standard~~ standards for wastes F001-F005, F039 and all applicable prohibitions in wastes prohibited under s. NR 675.12 675.13 or 42 USC 6924(d)+. Treatment standards for all other restricted wastes shall either be included or be referenced by including on the notification the applicable wastewater or nonwastewater category, the applicable subdivisions made within a waste code based on waste specific criteria and the administrative code sections and paragraphs where the applicable treatment standard appears. Where the applicable treatment standards are expressed as specified technologies in s. NR 675.22, the applicable 5 letter code found in table I of s. NR 675.22 also shall be listed on the notification:

Note: The publication containing title 42 of the United States code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

(e) The treatment facility shall submit a certification with each shipment of waste or treatment residue of a restricted waste to the land disposal facility stating that the waste or treatment residue has been treated

in compliance with the treatment standards in ss. NR 675.20 to 675.24 and the applicable prohibitions in s. NR ~~675.12~~ 675.13 or 42 USC 6924(d).

Note: The publication containing title 42 of the United States code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

1. For wastes with treatment standards expressed as concentrations in the waste extract or in the waste, the certification shall be signed by an authorized representative and shall state the following:

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to achieve the performance levels specified in ss. NR 675.20 to 675.24 and all applicable prohibitions in s. NR ~~675.12~~ 675.13 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

SECTION 94. NR 675.07(2)(e)3. is renumbered 675.07(2)(e)4.

SECTION 95. NR 675.07(2)(e)3. is created to read:

NR 675.07(2)(e)3. For wastes with treatment standards expressed as concentrations in the waste pursuant to s. NR 675.23, if compliance with the treatment standards in ss. NR 675.20 to 675.24 is based in part or in whole on

the analytical detection limit alternative specified in s. NR 675.23(3), the certification also shall state the following:

I certify under penalty of law that I have personally examined and am familiar with the treatment process used to support this certification and that, based on my inquiry of those individual immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with chs. NR 600 to 685 or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

SECTION 96. NR 675.07(2)(g)2. is amended to read:

NR 675.07(2)(g)2. Test the waste, or an extract of the waste or treatment residue developed using the test method described in ~~Appendix I of this chapter~~ 40 CFR 261, Appendix II, July 1, 1990, or using any methods required by generators under s. NR ~~675.12~~ 675.13 to assure that the wastes or treatment residues are in compliance with the applicable treatment standards in ss. NR 675.20 to 675.24 and all applicable prohibitions in s. NR ~~675.12~~ 675.13 or 42 USC 6924(d). Testing shall be performed according to the frequency specified in the facility's waste analysis plan as required by s. NR 630.13.

Note: The ~~publication~~ publications containing the CFR reference and title 42 of the United States code may be obtained from:

The Superintendent of Documents
 U.S. Government Printing Office
 Washington, D.C. 20402

These publications are available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

SECTION 97. NR 675.09 is renumbered 675.10 and as renumbered 675.10(1)(note) and (b), (3) Table II, (4)(note), (8) and (9) are amended to read:

NR 675.10(1)(note) Note: The publication containing title 42 of the United States code may be obtained from:

The Superintendent of Documents
 U.S. Government Printing Office
 Washington, D.C. 20402

~~The publications containing these regulations are available for inspection at the offices of the department, the secretary of state and revisor of statutes.~~

Note: For ease of understanding the wastes have been listed by the section of ch. NR 605 under which they were listed.

(b) s. NR 605.09(2)(b) Wastes

- K001 - Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.
- K004 - Wastewater treatment sludge from the production of zinc yellow pigments.
- K008 - Over residue from the production of chrome oxide green pigments.
- K011 - Bottom stream from the wastewater stripper in the production of acrylonitrile.
- K013 - Bottom stream from the acetonitrile column in the production of acrylonitrile.
- K014 - Bottoms from the acetonitrile purification column in the production of acrylonitrile.
- K015 - Still bottoms from the distillation of benzyl chloride.
- K016 - Heavy ends or distillation residues from the production of carbon tetrachloride.
- K017 - Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.
- K018 - Heavy ends from the fractionation column in ethyl chloride production.
- K020 - Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.
- K021 - Aqueous spent antimony catalyst waste from fluoromethanes production.
- K022 - Distillation bottom tars from the production of phenol/acetone from cumane.
- K024 - Distillation bottoms from the production of phthalic anhydride from naphthalene.
- K030 - Column bottom or heavy ends from the combined production of trichloroethylene and perchloroethylene.
- K031 - By-products salts generated in the production of MSMA and cacodylic acid.
- K035 - Wastewater treatment sludges generated in the production of creosote.
- K036 - Still bottoms from toluene reclamation distillation in the production of disulfoton.
- K037 - Wastewater treatment sludge from the production of disulfoton.
- K044 - Wastewater treatment sludges from the manufacturing and processing of explosives.
- K045 - Spent carbon from the treatment of wastewater containing explosives.
- K046 - Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds.

- K047 - Pink/red water from TNT operations.
- ~~K048 - Dissolved air flotation (DAF) float from the petroleum refining industry.~~
- ~~K049 - Strip oil emulsion solids from the petroleum refining industry.~~
- ~~K050 - Heat exchange bundle cleaning sludge from the petroleum refining industry.~~
- ~~K051 - API separator sludge from the petroleum refining industry.~~
- ~~K052 - Tank bottoms (leaded) from the petroleum refining industry.~~
- K060 - Ammonia still lime sludge from coking operations.
- K061 - Emission control dust/sludge from the primary production of steel in electric furnaces.
- K062 - Spent pickle liquor from steel finishing operations in chlorine production.
- K069 - Emission control dust/sludge from secondary lead smelting.
- K071 - Brine purification muds from the mercury cells process in chlorine production, where separately prepurified brine is not used.
- K073 - Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes
- K083 - Distillation bottoms from aniline production.
- K084 - Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
- K085 - Distillation of fractionation column bottoms from the production of chlorobenzenes.
- K086 - Solvent washes and sludges; caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.
- K087 - Decanter tank tar sludge from coking operations.
- K099 - Untreated wastewater from the production of 2,4-D.
- K101 - Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
- K102 - Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
- K103 - Process residues from aniline extraction from the production of aniline.
- K104 - Combined wastewater streams generated from nitrobenzene/aniline production.
- K106 - Waste water treatment sludge from the mercury cell process in chlorine production.

(3) Table II

TABLE II - FINAL THIRD WASTES

K002	K003	K005	K006	K007	K023	K026
K032	K033	K034	<u>K048</u>	<u>K049</u>	<u>K050</u>	<u>K051</u>
<u>K052</u>	K093	K094	K100			
P006	P009	P013	P017	P021	P022	P023
P024	P028	P031	P033	P034	P038	P042
P045	P046	P047	P051	P056	P064	P065
P073	P075	P076	P077	P078	P088	P093
P095	P096	P099	P101	P103	P109	P116
P118	P119	P121				
U001	U004	U006	U017	U024	U027	U030
U033	U034	U038	U039	U042	U045	U048
U052	U055	U056	U068	U069	U071	U072
U075	U076	U079	U081	U082	U084	U085
U087	U088	U090	U091	U096	U102	U112
U113	U117	U118	U120	U121	U123	U125
U126	U132	U136	U139	U141	U145	U148
U152	U153	U156	U160	U166	U167	U181
U182	U183	U184	U186	U187	U190	U191
U194	U197	U201	U202	U204	U207	U222
U225	U234	U236	U240	U243	U246	U247

(4)(note) Note: Examples of wastes identified hazardous based on a characteristic alone include corrosivity, reactivity, ignitability and EP toxicity.

(8) Nonwastewater forms of wastes listed in s. NR ~~675.09(1)~~ 675.10(1) that were originally disposed before August 17, 1988 and for which EPA has promulgated "no land disposal" as the treatment standard at s. NR 675.23, table CCW, no land disposal subtable. This provision does not apply to waste codes K044, K045, K047, and K061, high zinc subcategory.

(9) Nonwastewater forms of wastes listed in s. NR ~~675.09(1)~~ 675.10(1) for which EPA has promulgated "no land disposal" as the treatment standard at s. NR 675.23, table CCW, no land disposal subtable, that are generated in the course of treating wastewater forms of the wastes. This provision does not apply to waste codes K044, K045, K047 and K061, high zinc subcategory.

SECTION 98. NR 675.09 is created to read:

NR 675.09 SPECIAL RULES REGARDING WASTES THAT EXHIBIT A CHARACTERISTIC.

(1) The initial generator of a solid waste shall determine each hazardous waste number, or hazardous waste code, applicable to the waste in order to determine the applicable treatment standards under ss. NR 675.20 to 675.24. For purposes of this chapter, the waste will carry the waste code for any applicable listing under s. NR 605.09. In addition, the waste will carry one or more of the waste codes under s. NR 605.08 where the waste exhibits a characteristic, except in the case when the treatment standard for the waste code listed in s. NR 605.09 operates in lieu of the standard for the waste code under s. NR 605.08 as specified in sub. (4).

(2) Where a prohibited waste is both listed under s. NR 605.09 and exhibits a characteristic under s. NR 605.08, the treatment standard for the

waste code listed in s. NR 605.09 will operate in lieu of the standard for the waste code under s. NR 605.08, provided that the treatment standard for the listed waste includes a treatment standard for the constituent that causes the waste to exhibit the characteristic. Otherwise, the waste shall meet the treatment standards for all applicable listed and characteristic waste codes.

(3) In addition to any applicable standards determined from the initial point of generation, no prohibited waste which exhibits a characteristic under s. NR 605.08 may be land disposed unless the waste complies with the treatment standards under s. NR 605.09.

(4) Wastes that exhibit a characteristic are also subject to s. NR 675.07 requirements, except that once the waste is no longer hazardous, for each shipment of the wastes to a subtitle D facility the initial generator or the treatment facility need not send a s. NR 675.07 notification to the facility. In such circumstances, a notification and certification shall be sent to the department. The notification shall include:

(a) The name and address of the subtitle D facility receiving the waste shipment;

(b) A description of the waste as initially generated, including the applicable hazardous waste number, the applicable wastewater or nonwastewater category and the subdivisions made within a waste code based on waste specific criteria;

(c) The treatment standards applicable to the waste at the initial point of generation.

(5) Notifications sent under sub. (4) shall be signed by an authorized representative and shall state the language found in s. NR 675.07(2)(e)1.

SECTION 99. NR 675.10 is renumbered 675.11 and as renumbered NR

675.11(2)(note) is amended to read:

NR 675.11(2)(note) Note: The publication containing title 42 of the United States code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The publications containing these regulations are available for inspection at the offices of the department, the secretary of state and revisor of statutes.~~

SECTION 100. NR 675.11 is renumbered 675.12 and as renumbered NR

675.12(1)(note) is repealed.

SECTION 101. NR 675.12 is renumbered 675.13 and as renumbered NR

675.13(1)(e)(note) is amended to read:

NR 675.13(1)(e)(note) Note: The term halogenated organic compound is defined in s. NR 600.03(85) and includes compounds listed in Appendix ~~III~~ II to this chapter.

SECTION 102. NR 675.13 is renumbered 675.14 and as renumbered NR 675.14(3) and

(5) are amended to read:

NR 675.14(3) Effective March 1, 1991, the wastes specified in s. NR ~~675.09(1)~~ 675.10(1) having a treatment standard in ss. NR 675.20 to 675.24 based on incineration and which are contaminated soil and debris are prohibited from land disposal.

(5) To determine whether a hazardous waste listed in s. NR ~~675.09(1)~~ 675.10(1) exceeds the applicable treatment standards specified in

ss. NR 675.20 to 675.24, the initial generator shall test a representative sample of the waste extract or the entire waste depending on whether the treatment standards are expressed as concentrations in the waste extract or the waste, or the generator may use knowledge of the waste. If the waste contains constituents in excess of the applicable ss. NR 675.20 to 675.24 levels, the waste is prohibited from land disposal and all requirements of this chapter are applicable, except as otherwise specified.

SECTION 103. NR 675.14 is renumbered 675.15 and as renumbered, NR 675.15(7), (9) and (10) are amended to read:

NR 675.15(7) Between March 1, 1991, and June 8, 1991, wastes included in subs. (3) to (6) except for F007, F008, F009, F011 and F012 may be disposed in a landfill or surface impoundment, regardless whether the unit is a new, replacement or lateral expansion unit, only if the unit is in compliance with the technical requirements specified in 40 CFR 268.5(h)(2) ~~as of the federal register dated September 6, 1989~~ July 1, 1990.

Note: The publication containing ~~these regulations~~ the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The publications containing these regulations are available for inspection at the offices of the department, the secretary of state and revisor of statutes.~~

(9) The requirements of subs. (1) to (5) do not apply if persons have been granted an extension to the effective date of a prohibition pursuant to the requirements under 40 CFR 268.5 ~~as of July 1, 1989~~ July 1, 1990, with respect to those wastes covered by the extension.

Note: The publication containing ~~these regulations~~ the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The publications containing these regulations are available for inspection at the offices of the department, the secretary of state and revisor of statutes.~~

(10) To determine whether a hazardous waste listed in s. NR ~~675.09~~ 675.10 exceeds the applicable treatment standards specified in ss. NR 675.21 and 675.23, the initial generator shall test a representative sample of the waste extract or the entire waste, depending on whether the treatment standards are expressed as concentrations in the waste extract or the waste, or the generator may use knowledge of the waste. If the waste contains constituents in excess of the applicable ss. NR 675.20 to 675.24 levels, the waste is prohibited from land disposal and all requirements of this chapter are applicable, except as otherwise specified.

SECTION 104. NR 675.16 is created to read:

NR 675.16 WASTE SPECIFIC PROHIBITIONS - THIRD THIRD WASTES. (1)

Effective the effective date of this rule [revisor insert date], the following wastes are prohibited from land disposal:

(a) The wastes specified in s. NR 605.09(2)(a) as EPA hazardous waste numbers F002 (1,1,2-trichloroethane), F005 (benzene), F005 (2-ethoxy ethanol), F005 (2-nitropropane), F006 (wastewaters), F019, F025 and F039 (wastewaters);

(b) The wastes specified in s. NR 605.09(2)(b) as EPA hazardous waste numbers K002; K003; K004 (wastewaters); K005 (wastewaters); K006; K008 (wastewaters); K011 (wastewaters); K013 (wastewaters), K014 (wastewaters);

K015 (nonwastewaters); K017; K021 (wastewaters); K022 (wastewaters); K025 (wastewaters); K026; K029 (wastewaters); K031 (wastewaters); K032; K033; K034; K035; K041; K042; K046 (wastewaters, reactive nonwastewaters); K048 (wastewaters); K049 (wastewaters); K050 (wastewaters); K051 (wastewaters); K052 (wastewaters); K060 (wastewaters); K061 (wastewaters) and high zinc subcategory > 15% zinc); K069 (wastewaters, calcium sulfate nonwastewaters); K073; K083; K084 (wastewaters); K085; K095 (wastewaters); K096 (wastewaters); K097; K098; K100 (wastewaters); K101 (wastewaters); K102 (wastewaters); K105; and K106 (wastewaters);

(c) The wastes specified in s. NR 605.09(3)(b) as EPA hazardous waste numbers P001; P002; P003; P004; P005; P006; P007; P008; P009; P010 (wastewaters); P011 (wastewaters); P012 (wastewaters); P014; P015; P016; P017; P018; P020; P022; P023; P024; P026; P027; P028; P031; P033; P034; P034; P036 (wastewaters); P037; P038 (wastewaters); P042; P045; P046; P047; P048; P049; P050; P051; P054; P056; P057; P058; P059; P060; P064; P065 (wastewaters); P066; P067; P068; P069; P070; P072; P073; P075; P076; P077; P078; P081; P082; P084; P088; P092 (wastewaters); P093; P095; P096; P101; P102; P103; P105; P108; P110; P112; P113; P114; P115; P116; P118; P119; P120; P122; and P123;

(d) The wastes specified in s. NR 605.09(3)(c) as EPA hazardous waste numbers U001; U002; U003; U004; U005; U006; U007; U008; U009; U010; U011; U012; U014; U015; U016; U017; U018; U019; U020; U021; U022; U023; U024; U025; U026; U027; U029; U030; U031; U032; U033; U034; U035; U036; U037; U038; U039; U041; U042; U043; U044; U045; U046; U047; U048; U049; U050; U051; U052; U053; U055; U056; U057; U059; U060; U061; U062; U063; U064; U066; U067; U068; U070; U071; U072; U073; U074; U075; U076; U077; U078; U079; U080; U081; U082; U083; U084; U085; U086; U089; U090; U091; U092; U093; U094; U095; U096; U097; U098;

U099; U101; U103; U105; U106; U108; U109; U110; U111; U112; U113; U114; U115; U116; U117; U118; U119; U120; U121; U122; U123; U124; U125; U126; U127; U128; U129; U130; U131; U132; U133; U134; U135; U136 (wastewaters); U137; U138; U140; U141; U142; U143; U144; U145; U146; U147; U148; U149; U150; U151 (wastewaters); U152; U153; U154; U155; U156; U157; U158; U159; U160; U161; U162; U163; U164; U165; U166; U167; U168; U169; U170; U171; U172; U173; U174; U176; U177; U178; U179; U180; U181; U182; U183; U184; U185; U186; U187; U188; U189; U191; U192; U193; U194; U196; U197; U200; U201; U202; U203; U204; U205; U206; U207; U208; U209; U210; U211; U213; U214; U215; U216; U217; U218; U219; U220; U222; U225; U226; U227; U228; U234; U236; U237; U238; U239; U240; U243; U244; U246; U247; U248; U249; and

(e) The following wastes identified as hazardous based on a characteristic alone: D001; D002, D003, D004 (wastewaters), D005, D006; D007; D008 (except for lead materials stored before secondary smelting), D009 (wastewaters), D010, D011, D012; D013, D014, D015, D016, and D017.

(2) Effective the effective date of this rule [revisor insert date], the following wastes specified in s. NR 605.09(2)(b) as EPA hazardous waste numbers K048 (nonwastewaters), K049 (nonwastewaters), K050 (nonwastewaters), K051 (nonwastewaters), and K052 (nonwastewaters) are prohibited from land disposal.

(3) Effective May 8, 1992, the following waste specified in s. NR 605.09(2)(a) as EPA hazardous waste numbers F039 (nonwastewaters); the wastes specified in s. NR 605.09(2)(b) as EPA hazardous waste numbers K031 (nonwastewaters); K084 (nonwastewaters); K101 (nonwastewaters); K102 (nonwastewaters); K106 (nonwastewaters); the wastes specified in s. NR 605.09(3)(b) as EPA hazardous waste numbers P010 (nonwastewaters); P011

(nonwastewaters); P012 (nonwastewaters); P036 (nonwastewaters); P038 (nonwastewaters); P065 (nonwastewaters); P087; and P092 (nonwastewaters); the wastes specified in s. NR 605.09(3)(c) as EPA hazardous waste numbers U136 (nonwastewaters); and U151 (nonwastewaters); and the following wastes identified as hazardous based on a characteristic alone: D004 (nonwastewaters); D008 (lead materials stored before secondary smelting); and D009 (nonwastewaters); inorganic solids debris as defined in s. NR 600.03(109) (which also applies to chromium refractory bricks carrying the EPA hazardous waste numbers K048-K052); and RCRA hazardous wastes that contain naturally occurring radioactive materials are prohibited from land disposal.

(4) Effective May 8, 1992, the following hazardous wastes are prohibited from land disposal:

(a) Hazardous wastes listed in s. NR 675.10 that are mixed radioactive and hazardous wastes; and

(b) Soil or debris contaminated with hazardous wastes listed in s. NR 675.10 that are mixed radioactive and hazardous wastes.

(5) Effective May 8, 1992, the wastes specified in this section having a treatment standard in ss. NR 675.20 to 675.24 based on incineration, mercury retorting, vitrification, acid leaching followed by chemical precipitation, or thermal recovery of metals, and which are contaminated soil or debris, are prohibited from land disposal.

(6) Between the effective date of this rule [revisor insert date], and May 8, 1992, wastes included in subs. (3) to (5) may be disposed of in a landfill or surface impoundment only if such unit is in compliance with the requirements specified in 40 CFR 268.5(h)(2), July 1, 1990, and s. NR 675.05(1).

Note: The publication containing the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

(7) The requirements of subs. (1) to (5) do not apply if:

(a) The wastes meet the applicable standards specified in ss. NR 675.20 to 675.24;

(b) Persons have been granted an exemption from a prohibition pursuant to a petition under s. NR 675.05(2), with respect to those wastes and units covered by the petition;

(c) The wastes meet the applicable alternate standards established pursuant to a petition granted under s. NR 675.24;

(d) Persons have been granted an extension to the effective date of a prohibition pursuant to s. NR 675.05(1), with respect to these wastes covered by the extension.

(8) To determine whether a hazardous waste listed in s. NR 675.09 exceeds the applicable treatment standards specified in ss. NR 675.21 and 675.23, the initial generator shall test a representative sample of the waste extract or the entire waste, depending on whether the treatment standards are expressed as concentrations in the waste extract or the waste, or the generator may use knowledge of the waste. If the waste contains constituents in excess of the applicable ss. NR 675.20 to 675.24 levels, the waste is prohibited from land disposal, and all requirements of ch. NR 675 are applicable, except as otherwise specified.

SECTION 105. NR 675.20(1) and (3) are amended to read:

NR 675.20 APPLICABILITY OF TREATMENT STANDARDS. (1) A restricted waste identified in s. NR 675.21 may be disposed on land only if an extract of the waste or of the treatment ~~residual~~ residue of the waste developed using the test method of ~~Appendix I of this chapter~~ 40 CFR 261, Appendix II, July 1, 1990, does not exceed the value shown in Table CCWE of s. NR 675.21 for any hazardous constituent listed in Table CCWE for that waste, with the following exceptions: D004, D008, K031, K084, K101, K102, P010, P011, P012, P036, P038 and U136. Wastes D004, D008, K031, K084, K101, K102, P010, P011, P012, P036, P038 and U136 may be land disposed only if an extract of the waste or of the treatment residue of the waste developed using either the test method in 40 CFR 261, Appendix II, July 1, 1990, or the test method in 40 CFR 268, Appendix IX, as of the federal register dated January 31, 1991, does not exceed the concentrations shown in table CCWE of s. NR 675.21 for any hazardous constituent listed in table CCWE for that waste.

Note: The publication containing the test method may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402.

The publication containing this test method is available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

(3) A Except as otherwise specified in s. NR 675.23(3), a restricted waste identified in s. NR 675.23 may be disposed on land only if the constituent concentrations in the waste or treatment residue of the waste do not exceed the value shown in Table CCW of s. NR 675.23 for any hazardous constituent listed in Table CCW for that waste.

SECTION 106. NR 675.21(1) is amended to read:

NR 675.21 TREATMENT STANDARDS EXPRESSED AS CONCENTRATIONS IN WASTE

EXTRACT. (1) Table CCWE identifies the restricted wastes and the concentrations of their associated hazardous constituents which may not be exceeded by the extract of a waste or waste treatment residual developed using the test method in Appendix I of this chapter 40 CFR 261, Appendix II, July 1, 1990, for the allowable land disposal of the waste, with the exception of wastes D004, D008, K031, K084, K101, K102, P010, P011, P012, P036, P038 and U136 and the concentrations of their associated constituents which may not be exceeded by the extract of a waste or waste treatment residual developed using the test method in 40 CFR 261, Appendix II, July 1, 1990, for the allowable land disposal of such wastes. Compliance with these concentrations is required based on grab samples.

Note: The publication containing this test method may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

The publication containing this regulation is available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

Note: Appendix II I of this chapter provides guidance on treatment methods that have been shown to achieve the Table CCWE levels for the respective wastes. Appendix II I is not a regulatory requirement but is provided to assist generators, owners and operators in their selection of appropriate treatment methods.

SECTION 107. NR 675.21 Table CCWE is repealed and recreated to read:

Table CCWE.-Constituent Concentrations in Waste Extract

Waste code	Commercial chemical name	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Wastewaters		Nonwastewaters	
					Concentration (mg/l)	Notes	Concentration (mg/l)	Notes
D004	NA	Table CCW in s. NR 675.23	Arsenic	7440-38-2	NA		5.0	(1)
D005	NA	Table CCW in s. NR 675.23	Barium	7440-39-3	NA		100	
D006	NA	Table CCW in s. NR 675.23	Cadmium	7440-43-9	NA		1.0	
D007	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA		5.0	
D008	NA	Table CCW in s. NR 675.23	Lead	7439-92-1	NA		5.0	(1)
D009 (Low Mercury Subcategory - less than 260 mg/kg Mercury)	NA	Table 2 in s. NR 675.22 and Table CCW in s. NR 675.23	Mercury	7439-97-6	NA		0.20	
D010	NA	Table CCW in s. NR 675.23	Selenium	7782-49-2	NA		5.7	
D011	NA	Table CCW in s. NR 675.23	Silver	7440-22-4	NA		5.0	
F001-F005 spent solvents.	NA	Table 2 in s. NR 675.22 and Table CCW in s. NR 675.23	Acetone	67-64-1	0.05		0.59	
			n-Butyl alcohol	71-36-3	5.0		5.0	
			Carbon disulfide	75-15-0	1.05		4.81	
			Carbon tetrachloride	56-23-5	0.05		0.96	
			Chlorobenzene	108-90-7	0.15		0.05	
			Cresols (and cresylic acid)		2.82		0.75	

			Cyclohexanone	108-94-1	0.125	0.75
			1,2-Dichlorobenzene	95-50-1	0.65	0.125
			Ethyl acetate	141-78-6	0.05	0.75
			Ethylbenzene	100-41-4	0.05	0.053
			Ethyl ether	60-29-7	0.05	0.75
			Isobutanol	78-83-1	5.0	5.0
			Methanol	67-56-1	0.25	0.75
			Methylene chloride	75-9-2	0.20	0.96
			Methyl ethyl ketone	78-93-3	0.05	0.75
			Methyl isobutyl ketone	108-10-1	0.05	0.33
			Nitrobenzene	98-95-3	0.66	0.125
			Pyridine	110-86-1	1.12	0.33
			Tetrachloroethylene	127-18-4	0.079	0.05
			Toluene	108-88-3	1.12	0.33
			1,1,1,-Trichloroethane	71-55-6	1.05	0.41
			1,1,2-Trichloro-1,2,2-	76-13-1	1.05	0.96
			Trifluor- ethane			
			Trichloroethylene	79-01-6	0.062	0.091
			Trichlorofluoromethane	75-69-4	0.05	0.96
			Xylene		0.05	0.15
F006	NA	Table CCW in s. NR 675.23	Cadmium	7440-43-9	NA	0.066
			Chromium (Total)	7440-47-32	NA	5.2
			Lead	7439-92-1	NA	0.51
			Nickel	7440-02-0	NA	0.32
F007	NA	Table CCW in s. NR 675.23	Silver	7440-22-4	NA	0.072
			Cadmium	7440-43-9	NA	0.066
			Chromium (Total)	7440-47-32	NA	5.2
			Lead	7439-92-1	NA	0.51
			Nickel	7440-02-0	NA	0.32
F008	NA	Table CCW in s. NR 675.23	Silver	7440-22-4	NA	0.072
			Cadmium	7440-43-9	NA	0.066
			Chromium (Total)	7440-47-32	NA	5.2
			Lead	7439-92-1	NA	0.51
			Nickel	7440-02-0	NA	0.32
F009	NA	Table CCW in s. NR 675.23	Silver	7440-22-4	NA	0.072
			Cadmium	7440-43-9	NA	0.066
			Chromium (Total)	7440-47-32	NA	5.2
			Lead	7439-92-1	NA	0.51
			Nickel	7440-02-0	NA	0.32
F011	NA	Table CCW in s. NR	Silver	7440-22-4	NA	0.072
			Cadmium	7440-43-9	NA	0.066

Sample ID	Location	Table Reference	Contaminant	Method	Result	Unit			
F012	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	5.2			
			Lead	7439-92-1	NA	0.51			
			Nickel	7440-02-0	NA	0.32			
			Silver	7440-22-4	NA	0.072			
			Cadmium	7440-43-9	NA	0.066			
F019	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	5.2			
			Lead	7439-92-1	NA	0.51			
			Nickel	7440-02-0	NA	0.32			
			Silver	7440-22-4	NA	0.072			
			Chromium (Total)	7440-47-32	NA	5.2			
F020-F023 and F026-F028 dioxin containing wastes ²	NA	NA	HxCDD-All Hexachloro-dibenzo-p-dioxins		<1 ppb	<1 ppb			
			HxCDF-All Hexachloro-dibenzofurans		<1 ppb	<1 ppb			
			PeCDD-All Pentachloro-dibenzo-p-dioxins		<1 ppb	<1 ppb			
			PeCDF-All Pentachloro-dibenzofurans		<1 ppb	<1 ppb			
			TCDD-All Tetrachloro-dibenzo-p-dioxins						
			TCDF-All Tetrachloro-dibenzofurans		<1 ppb	<1 ppb			
			2,4,5-Trichlorophenol	95-95-4	<1 ppb	<1 ppb			
			2,4,6-Trichlorophenol	88-06-2	<0.05 ppm	<0.05 ppm			
			2,3,4,6-Tetrachlorophenol	58-90-2	<0.05 ppm	<0.05 ppm			
			Pentachlorophenol	87-86-5	<0.01 ppm	<0.01 ppm			
			F024	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	0.073
						Lead	7439-92-1	NA	[Reserved]
Nickel	7440-02-0	NA				0.088			
F039	NA	Table CCW in s. NR 675.23	Antimony	7440-36-0	NA	0.23			
			Arsenic	7440-38-2	NA	5.0			
			Barium	7440-39-3	NA	52			

			Cadmium	7440-43-9	NA	0.066
			Chromium (Total)	7440-47-32	NA	5.2
			Lead	7439-92-1	NA	0.51
			Mercury	7439-97-6	NA	0.025
			Nickel	7440-02-0	NA	0.32
			Selenium	7782-49-2	NA	5.7
			Silver	7440-22-4	NA	0.072
			Lead	7439-92-1	NA	0.51
K001	NA	Table CCW in s. NR 675.23				
K002	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	0.094
			Lead	7439-92-1	NA	0.37
K003	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	0.094
			Lead	7439-92-1	NA	0.37
K004	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	0.094
			Lead	7439-92-1	NA	0.37
K005	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	0.094
			Lead	7439-92-1	NA	0.37
K006 (an- hydrous)	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	0.094
			Lead	7439-92-1	NA	0.37
K006 (hy- drated)	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	5.2
K007	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	0.094
			Lead	7439-92-1	NA	0.37
K008	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	0.094
			Lead	7439-92-1	NA	0.37
K015	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	1.7
			Nickel	7440-02-0	NA	0.2
K021	NA	Table CCW in s. NR 675.23	Antimony	7440-36-0	NA	0.23
K022	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	5.2
			Nickel	7440-02-0	NA	0.32
K028	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	0.073
			Lead	7439-92-1	NA	0.021
			Nickel	7440-02-0	NA	0.088
K031	NA	Table CCW in s. NR	Arsenic	7440-38-2	NA	5.6

K046	NA	675.23 Table CCW in s. NR 675.23	Lead	7439-92-1	NA	0.18
K048	NA	675.23 Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	1.7
K049	NA	675.23 Table CCW in s. NR 675.23	Nickel Chromium (Total)	7440-02-0 7440-47-32	NA NA	0.20 1.7
K050	NA	675.23 Table CCW in s. NR 675.23	Nickel Chromium (Total)	7440-02-0 7440-47-32	NA NA	0.20 1.7
K051	NA	675.23 Table CCW in s. NR 675.23	Nickel Chromium (Total)	7440-02-0 7440-47-32	NA NA	0.20 1.7
K052	NA	675.23 Table CCW in s. NR 675.23	Nickel Chromium (Total)	7440-02-0 7440-47-32	NA NA	0.20 1.7
K061 Low Zinc Subcate- gory (less than 15% Total Zinc)	NA	675.23 Table CCW in s. NR 675.23	Nickel Cadmium	7440-02-0 7440-43-9	NA NA	0.20 0.14
			Chromium (Total)	7440-47-32	NA	5.2
			Lead	7439-92-1	NA	0.24
			Nickel	7440-02-0	NA	0.32
K061, High Zinc Subcate- gory (greater than 15% Total Zinc).		675.23 Table CCW in s. NR 675.23	Antimony	7440-36-0	NA	2.1
			Arsenic	7440-38-2	NA	0.055
			Barium	7440-39-3	NA	7.6
			Beryllium	7440-41-7	NA	0.014
			Cadmium	7440-43-9	NA	0.19
			Chromium (Total)	7440-47-32	NA	0.33
			Lead	7439-92-1	NA	0.37
			Mercury	7439-97-6	NA	0.0009
			Nickel	7440-02-0	NA	5
			Selenium	7782-49-2	NA	0.16

			Silver	7440-22-4	NA	0.3	
			Thallium	7440-28-0	NA	0.078	
			Vanadium	7440-62-2	NA	Reserved	
			Zinc	7440-66-6	NA	5.3	
K062	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	0.094	
			Lead	7439-92-1	NA	0.37	
K069	NA	Table 2 in s. NR 675.22 and Table CCW in s. NR 675.23	Cadmium	7440-43-9	NA	0.14	
			Lead	7439-92-1	NA	0.24	
K071	NA	Table CCW in s. NR 675.23	Mercury	7439-97-6	NA	0.025	
K083	NA	Table CCW in s. NR 675.23	Nickel	7440-02-2	NA	0.088	
K084	NA	Table CCW in s. NR 675.23	Arsenic	7440-38-2	NA	5.6	(1)
K086	NA	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	0.094	
			Lead	7439-92-1	NA	0.37	
K087	NA	Table CCW in s. NR 675.23	Lead	7439-92-1	NA	0.51	
K100	NA	Table CCW in s. NR 675.23	Cadmium	7440-43-9	NA	0.066	
			Chromium (Total)	7440-47-32	NA	5.2	
			Lead	7439-92-1	NA	0.51	
K101	NA	Table CCW in s. NR 675.23	Arsenic	7440-38-2	NA	5.6	(1)
K102	NA	Table CCW in s. NR 675.23	Arsenic	7440-38-2	NA	5.6	(1)
K106 (Low Mercury Subcategory - less than 260 mg/kg Mercury - residues from RMERC).	NA	Table 2 in s. NR 675.22 and Table CCW in s. NR 675.23	Mercury	7439-97-6	NA	0.020	
K106 (Low Mercury Subcate-	NA	Table 2 in s. NR 675.22 and Table CCW in s. NR 675.23	Mercury	7439-97-6	NA	0.025	

gory -
less than
260 mg/kg
Mercury -
that are
not
residues
from
RMERC).

K115	NA	Table CCW in s. NR 675.23	Nickel	7440-02-0	NA	0.32	
P010	Arsenic acid	Table CCW in s. NR 675.23	Arsenic	7440-38-2	NA	5.6	(1)
P011	Arsenic pentoxide	Table CCW in s. NR 675.23	Arsenic	7440-38-2	NA	5.6	(1)
P012	Arsenic trioxide	Table CCW in s. NR 675.23	Arsenic	7440-38-2	NA	5.6	(1)
P013	Barium cyanide	Table CCW in s. NR 675.23	Barium	7440-39-3	NA	52	
P036	Dichlorophenylarsine	Table CCW in s. NR 675.23	Arsenic	7440-38-2	NA	5.6	(1)
P038	Diethylarsine	Table CCW in s. NR 675.23	Arsenic	7440-38-2	NA	5.6	(1)
P065 (Low Mercury Subcategory - Less than 260 mg/kg Mercury - residues from RMERC).	Mercury fulminate	Table 2 in s. NR 675.22 and Table CCW in s. NR 675.23	Mercury	7439-97-6	NA	0.20	
P065 (Low Mercury Subcategory - Less than 260 mg/kg Mercury - incinerator residues (and are not	Mercury fulminate	Table 2 in s. NR 675.22 and Table CCW in s. NR 675.23	Mercury	7439-97-6	NA	0.025	

residues from RMERC)).						
P073	Nickel carbonyl	Table CCW in s. NR 675.23	Nickel	7440-02-0	NA	0.32
P074	Nickel cyanide	Table CCW in s. NR 675.23	Nickel	7440-02-0	NA	0.32
P092 (Low Mercury Subcategory - Less than 260 mg/kg Mercury - residues from RMERC).	Phenyl mercury acetate	Table 2 in s. NR 675.22 and Table CCW in s. NR 675.23	Mercury	7439-97-6	NA	0.20
P092 (Low Mercury Subcategory - Less than 260 mg/kg Mercury - incinerator residues (and are not residues from RMERC)).	Phenyl mercury acetate	Table 2 in s. NR 675.22 and Table CCW in s. NR 675.23	Mercury	7439-97-6	NA	0.025
P099	Potassium silver cyanide	Table CCW in s. NR 675.23	Silver	7440-22-4	NA	0.072
P103	Selenourea	Table CCW in s. NR 675.23	Selenium	7782-49-2	NA	5.7
P104	Silver cyanide	Table CCW in s. NR 675.23	Silver	7440-22-4	NA	0.072
P110	Tetraethyl lead	Table CCW in s. NR 675.23	Lead	7439-92-1	NA	0.51
P114	Thallium selenite	Table CCW in s. NR 675.23	Selenium	7782-49-2	NA	5.7
U032	Calcium chromate	Table CCW in s. NR 675.23	Chromium (Total)	7440-47-32	NA	0.094
U051	Creosote	Table CCW in s. NR	Lead	7439-92-1	NA	0.51

U136	Cacodylic acid	675.23 Table CCW in s. NR 675.23	Arsenic	7440-38-2	NA	5.6	(1)
U144	Lead acetate	Table CCW in s. NR 675.23	Lead	7439-92-1	NA	0.51	
U145	Lead phosphate	Table CCW in s. NR 675.23	Lead	7439-92-1	NA	0.51	
U146	Lead subacetate	Table CCW in s. NR 675.23	Lead	7439-92-1	NA	0.51	
U151 (Low Mercury Subcate- gory - Less than 260 mg/kg Mercury - residues from RMERC).	Mercury	Table CCW in s. NR 675.23 and Table 2 in s. NR 675.22	Mercury	7439-97-6	NA	0.20	
U151 (Low Mercury Subcate- gory - Less than 260 mg/kg Mercury - that are not residues from RMERC.	Mercury	Table CCW in s. NR 675.23 and Table 2 in s. NR 675.22	Mercury	7439-97-6	NA	0.025	
U204	Selenium dioxide	Table CCW in s. NR 675.23	Selenium	7782-49-2	NA	5.7	
U205	Selenium sulfide	Table CCW in s. NR 675.23	Selenium	7782-49-2	NA	5.7	

¹These treatment standards have been based on EP Leachate analysis but this does not preclude the use of TCLP analysis.

²These waste codes are not subcategorized into wastewaters and nonwastewaters.

Note: NA means Not Applicable.

SECTION 108. NR 675.22(1)(intro.) and (b) are amended to read:

NR 675.22(1) The following wastes in pars. (a) and (b) and in table 2 and 3 shall be treated using the identified technology or technologies, ~~unless an equivalent method is approved by EPA in pars. (a) and (b) and table 1.~~

(b) Nonliquid hazardous wastes containing halogenated organic compounds (HOCs) in total concentration greater than or equal to 1,000 mg/kg and liquid HOC-containing wastes that are prohibited under s. NR ~~675.12(1)(d)~~ 675.13(1)(d) shall be incinerated in accordance with the requirements of ch. NR 665, ~~or burned in boilers or industrial furnaces burning in accordance with applicable regulatory standards 665.~~ These treatment standards do not apply where the waste is subject to a ch. NR 675 treatment standard for a specific HOC, such as a hazardous waste chlorinated solvent for which a treatment standard is established under s. NR 675.21(1).

SECTION 109. NR 675.22 Tables 1 to 3 are created following s. NR 675.22(1)(b):

Table 1.-Technology Codes and Description of Technology-Based Standards

Technology code	Description of technology-based standards
ADGAS:	Venting of compressed gases into an absorbing or reacting media (i.e., solid or liquid)-venting can be accomplished through physical release utilizing valves/piping; physical penetration of the container; and/or penetration through detonation.
AMLGM:	Amalgamation of liquid, elemental mercury contaminated with radioactive materials utilizing inorganic reagents such as copper, zinc, nickel, gold, and sulfur that result in a nonliquid, semi-solid amalgam and thereby reducing potential emissions of elemental mercury vapors to the air.
BIODG:	Biodegradation of organics or non-metallic inorganics (i.e., degradable inorganics that contain the elements of phosphorus, nitrogen, and sulfur) in units operated under either aerobic or anaerobic conditions such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., Total Organic Carbon can often be used as an indicator parameter for the biodegradation

of many organic constituents that cannot be directly analyzed in wastewater residues).

- CARBN:** Carbon adsorption (granulated or powdered) of non-metallic inorganics, organo-metallics, and/or organic constituents, operated such that a surrogate compound or indicator parameter has not undergone breakthrough (e.g., Total Organic Carbon can often be used as an indicator parameter for the adsorption of many organic constituents that cannot be directly analyzed in wastewater residues). Breakthrough occurs when the carbon has become saturated with the constituent (or indicator parameter) and substantial change in adsorption rate associated with that constituent occurs.
- CHOXD:** Chemical or electrolytic oxidation utilizing the following oxidation reagents (or waste reagents) or combinations of reagents: (1) Hypochlorite (e.g. bleach); (2) chlorine; (3) chlorine dioxide; (4) ozone or UV (ultraviolet light) assisted ozone; (5) peroxides; (6) persulfates; (7) perchlorates; (8) permangantes; and/or (9) other oxidizing reagents of equivalent efficiency, performed in units operated such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., Total Organic Carbon can often be used as an indicator parameter for the oxidation of many organic constituents that cannot be directly analyzed in wastewater residues). Chemical oxidation specifically includes what is commonly referred to as alkaline chlorination.
- CHRED:** Chemical reduction utilizing the following reducing reagents (or waste reagents) or combinations of reagents: (1) Sulfur dioxide; (2) sodium, potassium, or alkali salts or sulfites, bisulfites, metabisulfites, and polyethylene glycols (e.g., NaPEG and KPEG); (3) sodium hydrosulfide; (4) ferrous salts; and/or (5) other reducing reagents of equivalent efficiency, performed in units operated such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., Total Organic Halogens can often be used as an indicator parameter for the reduction of many halogenated organic constituents that cannot be directly analyzed in wastewater residues). Chemical reduction is commonly used for the reduction of hexavalent chromium to the trivalent state.
- DEACT:** Deactivation to remove the hazardous characteristics of a waste due to its ignitability, corrosivity, and/or reactivity.
- FSUBS:** Fuel substitution in units operated in accordance with applicable technical operating requirements.
- HLVIT:** Vitrification of high level mixed radioactive wastes in units in compliance with all applicable radioactive protection requirements under control of the Nuclear Regulatory Commission.
- IMERC:** Incineration of wastes containing organics and mercury in units operated in accordance with the technical operating requirements of ch. NR 665. All wastewater and nonwastewater residues derived from this process must then comply with the corresponding treatment standards per waste code with consideration of any applicable subcategories (e.g., High or Low Mercury Subcategories).
- INCIN:** Incineration in units operated in accordance with the technical operating requirements of ch. NR 665.

- LLEXT:** Liquid-liquid extraction (often referred to as solvent extraction) of organics from liquid wastes into an immiscible solvent for which the hazardous constituents have a greater solvent affinity, resulting in an extract high in organics that must undergo either incineration, reuse as a fuel, or other recovery/reuse and a raffinate (extracted liquid waste) proportionately low in organics that must undergo further treatment as specified in the standard.
- MACRO:** Macroencapsulation with surface coating materials such as polymeric organics (e.g. resins and plastics) or with a jacket of inert inorganic materials to substantially reduce surface exposure to potential leaching media. Macroencapsulation specifically does not include any material that would be classified as a tank or container according to NR 600.03.
- NEUTR:** Neutralization with the following reagents (or waste reagents) or combinations of reagents: (1) Acids; (2) bases; or (3) water (including wastewaters) resulting in a pH greater than 2 but less than 12.5 as measured in the aqueous residuals.
- NLDBR:** No land disposal based on recycling.
- PRECP:** Chemical precipitation of metals and other inorganics as insoluble precipitates of oxides, hydroxides, carbonates, sulfides, sulfates, chlorides, fluorides, or phosphates. The following reagents (or waste reagents) are typically used alone or in combination: (1) Lime (i.e., containing oxides and/or hydroxides of calcium and/or magnesium; (2) caustic (i.e., sodium and/or potassium hydroxides; (3) soda ash (i.e., sodium carbonate); (4) sodium sulfide; (5) ferric sulfate or ferric chloride; (6) alum; or (7) sodium sulfate. Additional flocculating, coagulation or similar reagents/processes that enhance sludge dewatering characteristics are not precluded from use.
- RBERY:** Thermal recovery of Beryllium.
- RCGAS:** Recovery/reuse of compressed gases including techniques such as reprocessing of the gases for reuse/resale; filtering/adsorption of impurities; remixing for direct reuse or resale; and use of the gas as a fuel source.
- RCORR:** Recovery of acids or bases utilizing one or more of the following recovery technologies: (1) Distillation (i.e., thermal concentration); (2) ion exchange; (3) resin or solid adsorption; (4) reverse osmosis; and/or (5) incineration for the recovery of acid. Note: this does not preclude the use of other physical phase separation or concentration techniques such as decantation, filtration (including ultrafiltration), and centrifugation, when used in conjunction with the above listed recovery technologies.
- RLEAD:** Thermal recovery of lead in secondary lead smelters.
- RMERC:** Retorting or roasting in a thermal processing unit capable of volatilizing mercury and subsequently condensing the volatilized mercury for recovery. The retorting or roasting unit (or facility) must be subject to one or more of the following: (a) a National Emissions Standard for Hazardous Air Pollutants (NESHAP) for mercury; (b) a Best Available Control Technology (BACT) or a Lowest Achievable Emission Rate (LAER) standard for mercury imposed pursuant to a Prevention of

Significant Deterioration (PSD) permit; or (c) a state permit that establishes emission limitations (within meaning of section 302 of the Clean Air Act) for mercury. All wastewater and nonwastewater residues derived from this process must then comply with the corresponding treatment standards per waste code with consideration of any applicable subcategories (e.g., High or Low Mercury Subcategories).

RMETL:

Recovery of metals or inorganics utilizing one or more of the following direct physical/removal technologies: (1) ion exchange; (2) resin or solid (i.e., zeolites) adsorption; (3) reverse osmosis; (4) chelation/solvent extraction; (5) freeze crystallization; (6) ultrafiltration and/or (7) simple precipitation (i.e., crystallization) - Note: This does not preclude the use of other physical phase separation or concentration techniques such as decantation, filtration (including ultrafiltration), and centrifugation, when used in conjunction with the above listed recovery technologies.

RORGS:

Recovery of organics utilizing one or more of the following technologies: (1) Distillation; (2) thin film evaporation; (3) steam stripping; (4) carbon adsorption; (5) critical fluid extraction; (6) liquid-liquid extraction; (7) precipitation/crystallization (including freeze crystallization); or (8) chemical phase separation techniques (i.e., addition of acids, bases, demulsifiers, or similar chemicals); - Note: this does not preclude the use of other physical phase separation techniques such as a decantation, filtration (including ultrafiltration), and centrifugation, when used in conjunction with the above listed recovery technologies.

RTHRM:

Thermal recovery of metals or inorganics from nonwastewaters in units identified as industrial furnaces according to ch. NR 600.03(105)(a), (e), (f) and (h).

RZINC:

Resmelting in high temperature metal recovery units for the purpose of recovery of zinc.

STABL:

Stabilization with the following reagents (or waste reagents) or combinations of reagents: (1) Portland cement; or (2) lime/pozzolans (e.g., fly ash and cement kiln dust) - this does not preclude the addition of reagents (e.g., iron salts, silicates, and clays) designed to enhance the set/cure time and/or compressive strength, or to overall reduce the leachability of the metal or inorganic.

SSTRP:

Steam stripping of organics from liquid wastes utilizing direct application of steam to the wastes operated such that liquid and vapor flow rates, as well as, temperature and pressure ranges have been optimized, monitored, and maintained. These operating parameters are dependent upon the design parameters of the unit such as, the number of separation stages and the internal column design. Thus, resulting in a condensed extract high in organics that must undergo either incineration, reuse as a fuel, or other recovery/reuse and an extracted wastewater that must undergo further treatment as specified in the standard.

WETOX:

Wet air oxidation performed in units operated such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., Total Organic Carbon can often be used as an indicator parameter for the oxidation of many organic constituents that

cannot be directly analyzed in wastewater residues).

WTRRX:

Controlled reaction with water for highly reactive inorganic or organic chemicals with precautionary controls for protection of workers from potential violent reactions as well as precautionary controls for potential emissions of toxic/ignitable levels of gases released during the reaction.

Note 1: When a combination of these technologies (i.e., a treatment train) is specified as a single treatment standard, the order of application is specified in NR 675.22 table 2 by indicating the five letter technology code that must be applied first, then the designation "fb." (an abbreviation for "followed by"), then the five letter technology code for the technology that must be applied next, and so on.

Note 2: When more than one technology (or treatment train) are specified as alternative treatment standards, the five letter technology codes (or the treatment trains) are separated by a semicolon (;) with the last technology preceded by the word "OR". This indicates that any one of these BDAT technologies or treatment trains can be used for compliance with the standard.

Table 2.-Technology-Based Standards by RCRA Waste Code

Waste code	See also	Waste descriptions and/or treatment subcategory	CAS No. for regulated hazardous constituents	Technology code	
				Wastewaters	Nonwastewaters
D001	NA	Ignitable Liquids based on s. NR 605.08(2)(a)1-Wastewaters	NA	DEACT	NA
D001	NA	Ignitable Liquids based on s. NR 605.08(2)(a)1-Low TOC Ignitable Liquids Subcategory- Less than 10% total organic carbon.	NA	NA	DEACT
D001	NA	Ignitable Liquids based on s. NR 605.08(2)(a)1-High TOC Ignitable Liquids Subcategory- Greater than or equal to 10% total organic carbon.	NA	NA	FSUBS; RORGS; or INCIN
D001	NA	Ignitable compressed gases based on s. NR 605.08(2)(a)3.	NA	NA	DEACT ²
D001	NA	Ignitable reactives based on s. NR 605.08(2)(a)2.	NA	NA	DEACT
D001	NA	Oxidizers based on s. NR 605.08(2)(a)4.	NA	DEACT	DEACT
D002	NA	Acid subcategory based on s. NR 605.08(3)(a)1.	NA	DEACT	DEACT
D002	NA	Alkaline subcategory based on s. NR 605.08(3)(a)1.	NA	DEACT	DEACT
D002	NA	Other corrosives based on s. NR 605.08(3)(a)2.	NA	DEACT	DEACT

D003	NA	Reactive sulfides based on s. NR 605.08(4)(a)5.	NA	DEACT (may not be diluted)	DEACT (may not be diluted)
D003	NA	Explosives based on s. NR 605.08(4)(a)6., 7. and 8.	NA	DEACT	DEACT
D003	NA	Water reactives based on s. NR 605.08(4)(a)2., 3. and 4.	NA	NA	DEACT
D003	NA	Other reactives based on s. NR 605.08(4)(a)1.	NA	DEACT	DEACT
D006	NA	Cadmium containing batteries	7440-43-9	NA	RTHRM
D008	NA	Lead acid batteries (Note: This standard only applies to lead acid batteries that are identified as RCRA hazardous wastes and that are not excluded elsewhere from regulation under the land disposal restrictions of ch. NR 675 or exempted under other EPA regulations (see s. NR 625.12).	7439-92-1	NA	RLEAD
D009	Table CCWE in s. NR 675.21 and Table CCW in s. NR 675.23	Mercury: (High Mercury Subcategory-greater than or equal to 260 mg/kg total Mercury-contains mercury and organics (and are not incinerator residues))	7439-97-6	NA	IMERC; or RMERC
D009	Table CCWE in s. NR 675.21 and Table CCW in s. NR 675.23	Mercury: (High Mercury Subcategory-greater than or equal to 260 mg/kg total Mercury-inorganics (including incinerator residues from RMERC))	7439-97-6	NA	RMERC
D012	Table CCW in s. NR 675.23	Endrin	72-20-8	BIODG; or INCIN	NA
D013	Table CCW in s. NR 675.23	Lindane	58-89-9	CARBN; or INCIN	NA
D014	Table CCW in s. NR 675.23	Methoxychlor	72-43-5	WETOX; or INCIN	NA
D015	Table CCW in s. NR 675.23	Toxaphene	8001-35-1	BIODG; or INCIN	NA
D016	Table CCW in s. NR 675.23	2,4-D	94-75-7	CHOXD; BIODG; or INCIN	NA
D017	Table CCW in s. NR 675.23	2,4,5-TP	93-72-1	CHOXD; or INCIN	NA

F005	Table CCWE in s. NR 675.21 and Table CCW in s. NR 675.23	2-Nitropropane	79-46-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
F005	Table CCWE in s. NR 675.21 and Table CCW in s. NR 675.23	2-Ethoxyethanol	110-80-5	BIODG; or INCIN	INCIN
F024	Table CCWE in s. NR 675.21 and Table CCW in s. NR 675.23		NA	INCIN	INCIN
K025	NA	Distillation bottoms from the production of nitrobenzene by the nitration of benzene	NA	LLEXT fb SSTRP fb CARBN; or INCIN	INCIN
K026	NA	Stripping still tails from the production of methyl ethyl pyridines	NA	INCIN	INCIN
K027	NA	Centrifuge and distillation residues from toluene diisocyanate production	NA	CARBN; or INCIN	FSUBS; or INCIN
K039	NA	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate	NA	CARBN; or INCIN	FSUBS; or INCIN
K044	NA	Wastewater treatment sludges from the manufacturing and processing of explosives	NA	DEACT	DEACT
K045	NA	Spent carbon from the treatment of wastewater containing explosives	NA	DEACT	DEACT
K047	NA	Pink/red water from TNT operations	NA	DEACT	DEACT
K069	Table CCWE in s. NR 675.21 and Table CCW in s. NR 675.23	Emission control dust/sludge from secondary lead smelting; Non-Calcium Sulfate Subcategory	NA	NA	RLEAD
K106	Table CCWE in s. NR 675.21 and Table CCW in s. NR 675.23	Wastewater treatment sludge from the mercury cell process in chlorine production: (High Mercury Subcategory-greater than or equal to 260 mg/kg total mercury)	NA	NA	RMERC
K113	NA	Condensed liquid light ends	NA	CARBN; or INCIN	FSUBS; or INCIN

		from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene			
K114	NA	Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene	NA		CARBN; or INCIN FSUBS; or INCIN
K115	NA	Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene	NA		CARBN; or INCIN FSUBS; or INCIN
K116	NA	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine	NA		CARBN; or INCIN FSUBS; or INCIN
P001	NA	Warfarin (>0.3%)	81-81-2	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
P002	NA	1-Acetyl-2-thiourea	591-08-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P003	Table CCW in s. NR 675.23	Acrolein	107-02-8	NA	FSUBS; or INCIN
P005	NA	Allyl alcohol	107-18-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
P006	NA	Aluminum phosphide	20859-73-8	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN
P007	NA	5-Aminoethyl 3-isoxazolol	2763-96-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P008	NA	4-Aminopyridine	504-24-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P009	NA	Ammonium picrate	131-74-8	CHOXD; CHRED, CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
P014	NA	Thiophenol (Benzene thiol)	108-98-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P015	NA	Beryllium dust	7440-41-7	RMETL; or RTHRM	RMETL; or RTHRM
P016	NA	Bis(chloromethyl) ether	542-88-1	(WETOX or CHOXD) fb CARBN; or	INCIN

				INCIN	
P017	NA	Bromoacetone	598-31-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P018	NA	Brucine	357-57-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P022	Table CCW in s. NR 675.23	Carbon disulfide	75-15-0	NA	INCIN
P023	NA	Chloroacetaldehyde	107-20-0	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P026	NA	1-(o-Chlorophenyl) thiourea	5344-82-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P027	NA	3-Chloropropionitrile	542-76-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P028	NA	Benzyl chloride	100-44-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P031	NA	Cyanogen	460-19-5	CHOXD; WETOX or INCIN	CHOXD; WETOX; or INCIN
P033	NA	Cyanogen chloride	506-77-4	CHOXD; WETOX or INCIN	CHOXD; WETOX; or INCIN
P034	NA	2-Cyclohexyl-4,6-dinitrophenol	131-89-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P040	NA	O,O-Diethyl O-pyrazinyl phosphorothioate	297-97-2	CARBN; or INCIN	FSUBS; or INCIN
P041	NA	Diethyl-p-nitrophenyl phosphate	311-45-5	CARBN; or INCIN	FSUBS; or INCIN
P042	NA	Epinephrine	51-43-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P043	NA	Diisopropyl fluorophosphate (DFP)	55-91-4	CARBN; or INCIN	FSUBS; or INCIN
P044	NA	Dimethoate	60-51-5	CARBN; or INCIN	FSUBS or INCIN
P045	NA	Thiofanox	39196-18-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P046	NA	alpha,alpha-Dimethylphenethyl- amine	122-09-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P047	NA	4,6-Dinitro-o-cresol salts	534-52-1	(WETOX or CHOXD)	INCIN

				fb CARBN; or INCIN	
P049	NA	2,4-Dithiobiuret	541-53-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P054	NA	Aziridine	151-56-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P056	Table CCW in s. NR 675.23	Fluorine	7782-41-4	NA	ADAS fb NEUTR
P057	NA	Fluoroacetamide	640-19-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P058	NA	Fluoroacetic acid, sodium salt	62-74-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P062	NA	Hexaethyltetraphosphate	757-58-4	CARBN; or INCIN	FSUBS; or INCIN
P064	NA	Isocyanic acid, ethyl ester	624-83-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P065	Table CCWE in s. NR 675.21 and Table CCW in s. NR 675.23	Mercury fulminate: (High Mercury Subcategory-greater than or equal to 260 mg/kg total Mercury-either incinerator residues or residues from RMERC)	628-86-4	NA	RMERC
P065	Table CCWE in s. NR 675.21 and Table CCW in s. NR 675.23	Mercury fulminate: (All Nonwastewaters that are not incinerator residues or are not residues from RMERC; regardless of Mercury Content)	628-86-4	NA	IMERC
P066	NA	Methomyl	16752-77-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P067	NA	2-Methylaziridine	75-55-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P068	NA	Methyl hydrazine	60-34-4	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
P069	NA	Methyl lactonitrile	75-86-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P070	NA	Aldicarb	116-06-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P072	NA	1-Naphthyl-2-thiourea	86-88-4	(WETOX or CHOXD)	INCIN

					fb CARBN; or INCIN	
P075	NA	Nicotine and salts	154-11-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	
P076	NA	Nitric oxide	10102-43-9	ADGAS	ADGAS	
P078	NA	Nitrogen dioxide	10102-44-0	ADGAS	ADGAS	
P081	NA	Nitroglycerin	55-63-0	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	
P082	Table CCW in s. NR 675.23	N-Nitrosodimethylamine	62-75-9	NA	INCIN	
P084	NA	N-Nitrosomethylvinylamine	4549-40-0	(WETOX or CHOXD) fb CARBN; OR INCIN	INCIN	
P085	NA	Octamethylpyrophosphoramidate	152-16-9	CARBN; or INCIN	FSUBS; or INCIN	
P087	NA	Osmium tetroxide	20816-12-0	RMETL; or RTHRM	RMETL; or RTHRM	
P088	NA	Endothall	145-73-3	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	
P092	Table CCWE in s. NR 675.21 and Table CCW in s. NR 675.23	Phenyl mercury acetate: (High Mercury Subcategory-greater than or equal to 260 mg/kg total Mercury-either incinerator residues or residues from RMERC)	62-38-4	NA	RMERC	
P092	Table CCWE in s. NR 675.21 and Table CCW in s. NR 675.23	Phenyl mercury acetate: (All nonwastewaters that are not incinerator residues and are not residues from RMERC: regardless of Mercury Content)	62-38-4	NA	IMERC; or RMERC	
P093	NA	N-Phenylthiourea	103-85-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	
P095	NA	Phosgene	75-44-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	
P096	NA	Phosphine	7803-51-2	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN	
P102	NA	Propargyl alcohol	107-19-7	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	
P105	NA	Sodium azide	26628-22-8	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS, CHOXD; CHRED; or INCIN	

P108	NA	Strychnine and salts	157-24-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P109	NA	Tetraethyldithiopyrophosphate	3689-24-5	CARBN; or INCIN	FSUBS; or INCIN
P112	NA	Tetranitromethane	509-14-8	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS, CHOXD; CHRED; or INCIN
P113	Table CCW in s. NR 675.23	Thallic oxide	1314-32-5	NA	RTHRM; or STABL
P115	Table CCW in s. NR 675.23	Thallium (1) sulfate	7446-18-6	NA	RTHRM; or STABL
P116	NA	Thiosemicarbazide	79-19-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P118	NA	Trichloromethanethiol	75-70-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
P119	Table CCW in s. NR 675.23	Ammonium vanadate	7803-55-6	NA	STABL
P120	Table CCW in s. NR 675.23	Vanadium pentoxide	1314-62-1	NA	STABL
P122	NA	Zinc Phosphide (>10%)	1314-84-7	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN
U001	NA	Acetaldehyde	75-07-0	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U003	Table CCW in s. NR 675.23	Acetonitrile	75-05-8	NA	INCIN
U006	NA	Acetyl Chloride	75-36-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U007	NA	Acrylamide	79-06-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U008	NA	Acrylic acid	79-10-7	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U010	NA	Mitomycin C	50-07-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U011	NA	Amitrole	61-82-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN

U014	NA	Auramine	492-80-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U015	NA	Azaserine	115-02-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U016	NA	Benz(c)acridine	225-51-4	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U017	NA	Benzal chloride	98-87-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U020	NA	Benzenesulfonyl chloride	98-09-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U021	NA	Benzidine	92-87-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U023	NA	Benzotrichloride	98-07-7	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U026	NA	Chlornaphazin	494-03-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U033	NA	Carbonyl fluoride	353-50-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U034	NA	Trichloroacetaldehyde (Chloral)	75-87-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U035	NA	Chlorambucil	305-03-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U038	Table CCW in s. NR 675.23	Chlorobenzilate	510-15-6	NA	INCIN
U041	NA	1-Chloro-2,3-epoxypropane (Epichlorohydrin)	106-89-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U042	Table CCW in s. NR 675.23	2-Chloroethyl vinyl ether	110-75-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U046	NA	Chloromethyl methyl ether	107-30-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U049	NA	4-Chloro-o-toluidine hydrochloride	3165-93-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN

U053	NA	Crotonaldehyde	4170-30-3	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U055	NA	Cumene	98-82-8	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U056	NA	Cyclohexane	110-82-7	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U057	Table CCW in s. NR 675.23	Cyclohexanone	108-94-1	NA	FSUBS; or INCIN
U058	NA	Cyclophosphamide	50-18-0	CARBN; or INCIN	FSUBS; or INCIN
U059	NA	Daunomycin	20830-81-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U062	NA	Diallate	2303-16-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U064	NA	1,2,7,8-Dibenzopyrene	189-55-9	(WETOX or CHOXD) fb CARBN or INCIN	FSUBS; or INCIN
U073	NA	3,3'-Dichlorobenzidine	91-94-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U074	NA	cis-1,4-Dichloro-2-butylene trans-1,4-Dichloro-2-butylene	1476-11-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U085	NA	1,2:3,4-Diepoxybutane	1464-53-5	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U086	NA	N,N-Diethylhydrazine	1615--80-1	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U087	NA	O,O-Diethyl S-methyldithiophosphate	3288-58-2	CARBN; or INCIN	FSUBS; or INCIN
U089	NA	Diethyl stilbestrol	56-53-1	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U090	NA	Dihydrosafrole	94-58-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U091	NA	3,3'-Dimethoxybenzidine	119-90-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U092	NA	Dimethylamine	124-40-3	(WETOX or CHOXD) fb CARBN; or	INCIN

				INCIN	
U093	Table CCW in s. NR 675.23	p-Dimethylaminoazobenzene	621-90-9	NA	INCIN
U094	NA	7,12-Dimethyl benz(a)anthracene	57-97-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U095	NA	3,3'-Dimethylbenzidine	119-93-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U096	NA	a,a-Dimethyl benzyl hydroperoxide	80-15-9	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U097	NA	Dimethylcarbomyl chloride	79-44-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U098	NA	1,1-Dimethylhydrazine	57-14-7	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U099	NA	1,2-Dimethylhydrazine	540-73-8	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U103	NA	Dimethyl sulfate	77-78-1	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U109	NA	1,2-Diphenylhydrazine	122-66-7	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U110	NA	Dipropylamine	142-84-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U113	NA	Ethyl acrylate	140-88-5	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U114	NA	Ethylene bis-dithiocarbamic acid	111-54-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U115	NA	Ethylene oxide	75-21-8	(WETOX or CHOXD) fb CARBN; or INCIN	CHOXD; or INCIN
U116	NA	Ethylene thiourea	96-45-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U119	NA	Ethyl methane sulfonate	62-50-0	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U122	NA	Formaldehyde	50-00-0	(WETOX or CHOXD) fb CARBN; or	FSUBS; or INCIN

				INCIN	
U123	NA	Formic acid	64-18-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U124	NA	Furan	110-00-9	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U125	NA	Furfural	98-01-1	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U126	NA	Glycidaldehyde	765-34-4	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U132	NA	Hexachlorophenene	70-30-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U133	NA	Hydrazine	302-01-2	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U134	Table CCW in s. NR 675.23	Hydrogen Fluoride	7664-39-3	NA	ADGAS fb NEUTR; or NEUTR
U135	NA	Hydrogen Sulfide.	7783-06-4	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN
U143	NA	Lasiocarpine	303-34-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U147	NA	Maleic anhydride	108-31-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U148	NA	Maleic hydrazide	123-33-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U149	NA	Malononitrile	109-77-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U150	NA	Melphalan	148-82-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U151	Table CCWE in s. NR 675.21 and Table CCW in s. NR 675.23	Mercury: (High Mercury Subcategory-greater than or equal to 260 mg/kg total Mercury)	7439-97-6	NA	RMERC
U153	NA	Methane thiol	74-93-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN

U154	Table CCW in s. NR 675.23	Methanol	67-56-1	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U156	NA	Methyl chlorocarbonate	79-22-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U160	NA	Methyl ethyl ketone peroxide	1338-23-4	CHOXD; CHRED; CARBN; BIOOG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN
U163	NA	N-Methyl N'-nitro N-Nitrosoguanidine	70-25-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U164	NA	Methylthiouracil	56-04-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U166	NA	1,4-Naphthoquinone	130-15-4	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U167	NA	1-Naphthylamine	134-32-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U168	Table CCW in s. NR 675.23	2-Naphthylamine	91-59-8	NA	INCIN
U171	NA	2-Nitropropane	79-46-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U173	NA	N-Nitroso-di-n-ethanolamine	1116-54-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U176	NA	N-Nitroso-N-ethylurea	759-73-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U177	NA	N-Nitroso-N-methylurea	684-93-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U178	NA	N-Nitroso-N-methylurethane	615-53-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U182	NA	Paraldehyde	123-63-7	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U184	NA	Pentachloroethane	76-01-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U186	NA	1,3-Pentadiene	504-60-9	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN

U189	NA	Phosphorus sulfide	1314-80-3	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN
U191	NA	2-Picoline	109-06-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U193	NA	1,3-Propane sultone	1120-71-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U194	NA	n-Propylamine	107-10-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U197	NA	p-Benzoquinone	106-51-4	(WETOX or CHOXD)	FSUBS; or INCIN
U200	NA	Reserpine	50-55-5	(WETOX or CHOXD) fb CARBN or INCIN	INCIN
U201	NA	Resorcinol	108-46-3	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS: or INCIN
U202	NA	Saccharin and salts	181-07-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U206	NA	Streptozatocin	18883-66-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U213	NA	Tetrahydrofuran	109-99-9	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U214	Table CCW in s. NR 675.23	Thallium (I) acetate	563-68-8	NA	RTHRM; or STABL
U215	Table CCW in s. NR 675.23	Thallium (I) carbonate	6533-73-9	NA	RTHRM; or STABL
U216	Table CCW in s. NR 675.23	Thallium (I) chloride	7791-12-0	NA	RTHRM; or STABL
U217	Table CCW in s. NR 675.23	Thallium (I) nitrate	10102-45-1	NA	RTHRM; or STABL
U218	NA	Thioacetamide	62-55-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U219	NA	Thiourea	62-56-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U221	NA	Toluenediamine	25376-45-8	CARBN; or INCIN	FSUBS; or INCIN

U222	NA	o-Toluidine hydrochloride	636-21-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U223	NA	Toluene diisocyanate	26471-62-5	CARBN; or INCIN	FSUBS; or INCIN
U234	NA	sym-Trinitrobenzene	99-35-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U236	NA	Trypan Blue	72-57-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U237	NA	Uracil mustard	66-75-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U238	NA	Ethyl carbamate	51-79-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U240	NA	2,4-Dichlorophenoxyacetic (salts and esters)	194-75-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U244	NA	Thiram	137-26-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN
U246	NA	Cyanogen bromide	506-68-3	CHOXD; WETOX; or INCIN	CHOXD; WETOX; or INCIN
U248	NA	Warfarin (.3% or less)	81-81-2	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN
U249	NA	Zinc Phosphide (<10%)	1314-84-7	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN

CAS Number given for parent compound only.

This waste code exists in gaseous form and is not categorized as wastewater or nonwastewater forms.

Note: NA means Not Applicable.

Table 3.-Technology-Based Standards for Specific Radioactive Hazardous Mixed Waste

Waste code	Waste descriptions and/or treatment category	CAS No.	Technology Code	
			Wastewaters	Nonwastewaters
D002	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
D004	Radioactive high level wastes generated during	NA	NA	HLVIT

	the reprocessing of fuel rods subcategory			
D005	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
D006	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
D007	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
D008	Radioactive lead solids subcategory (Note: these lead solids include, but are not limited to, all forms of lead shielding, and other elemental forms of lead. These lead solids do not include treatment residuals such as hydroxide sludges, other wastewater treatment residuals, or incinerator ashes that can undergo conventional pozzolanic stabilization, nor do they include organolead materials that can be incinerated and stabilized as ash).	7439-92-1	NA	MACRO
D008	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
D009	Elemental mercury contaminated with radioactive materials	7439-97-6	NA	AMLGM
D009	Hydraulic oil contaminated with mercury; radioactive materials subcategory	7439-97-6	NA	IMERC
D009	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
D010	Radioactive high level wastes generated during the reprocessing of fuel rods subcategory	NA	NA	HLVIT
D011	Radioactive high level wastes generated during	NA	NA	HLVIT

	the reprocessing of fuel rods subcategory			
U151	Mercury: Elemental mercury contaminated with radioactive materials	7439-97-6	NA	AMLGM

Note: NA means Not Applicable.

SECTION 110. NR 675.22(1)(c) is repealed and recreated to read:

NR 675.22(1)(c) A mixture consisting of wastewater, the discharge of which is subject to regulation under either section 402 or section 307(b) of the clean water act, and de minimis losses of materials from manufacturing operations in which these materials are used as raw materials or are produced as products in the manufacturing process, and that meet the criteria of the D001 ignitable liquids containing greater than 10% total organic constituents (TOC) subcategory, is subject to the DEACT treatment standard described in table 1. For purposes of this paragraph, de minimis losses include those from normal material handling operations such as spills from the unloading or transfer of materials from bins or other containers, leaks from pipes, valves or other devices used to transfer materials; minor leaks from process equipment, storage tanks or containers; leaks from well maintained pump packings and seals; sample purgings; and relief discharges.

SECTION 111. NR 675.22(1)(d) is repealed.

SECTION 112. NR 675.22(2)(a) is amended to read:

NR 675.22(2)(a) Any person may submit an application to EPA demonstrating that an alternative treatment method can achieve a level of performance equivalent to that achieved by methods specified in ~~sub. (1)~~ subs.

(1), (4) and (5). The applicant shall submit information demonstrating that the treatment method will not present an unreasonable risk to human health or the environment and is in compliance with federal, state and local requirements. On the basis of the information and any other available information, EPA may approve the use of the alternative treatment method if it finds that the alternative treatment method provides a level of performance equivalent to that achieved by methods specified in ~~sub. (1)~~ subs. (1), (4) and (5). Any approval shall be stated in writing and may contain the provisions and conditions as EPA deems appropriate. The person to whom the certification is issued shall comply with all limitations contained in the determination.

SECTION 113. NR 675.22(4) and (5) are created to read:

(4) As an alternative to the otherwise applicable treatment standards in s. NR 675.20 to 675.24, Lab packs are eligible for land disposal provided the following requirements are met:

(a) The lab packs comply with the applicable provisions of s. NR 660.13(8)(c);

(b) All hazardous waste contained in the lab packs are specified in Appendix III or IV;

(c) The lab packs are incinerated in accordance with the requirements of ch. NR 665; and

(d) Any incinerator residues from lab packs containing D004, D005, D006, D007, D008, D010 and D011 are treated in compliance with the applicable treatment standards for such wastes in s. NR 675.20 to 675.24.

(5) Radioactive hazardous mixed wastes with treatment standards specified in table 3 are not subject to any treatment standards specified in s. NR 675.21, 675.23 or table 2. Radioactive hazardous mixed wastes not subject to treatment standards in table 3 of this section remain subject to all applicable treatment standards specified in s. NR 675.21, 675.23 and table 2.

SECTION 114. NR 675.23(1) is amended to read:

NR 675.23 TREATMENT STANDARDS EXPRESSED IN WASTE CONCENTRATIONS. (1)

Table CCW identifies the restricted wastes and the concentrations of their associated hazardous constituents which may not be exceeded by the waste or treatment residual, not an extract of the waste or residual, for the allowable land disposal of the waste or residual. ~~The wastewater and nonwastewater treatment standards in Table CCW are based on analysis of grab samples except the wastewater treatment standards that are based on analysis of composite samples for wastes, K009, K010, K036, K038, K040, P039, P071, P089, P094, P097 and U235.~~ Compliance with these concentrations is required based upon grab samples unless otherwise noted in the following table CCW.

SECTION 115. NR 675.23(1) Table CCW is repealed and recreated to read:

Table CCW.-Constituent Concentrations in Wastes

Waste code	Commercial chemical name	See also	Regulated hazardous constituent	CAS number for regulated hazardous constituent	Wastewaters		Nonwastewaters	
					Concentration (mg/l)	Notes	Concentration (mg/kg)	Notes
D003	NA	NA	Cyanides (Total)	57-12-5	(4)		590	(3)
	(Reactive Cyanides Sub-category based on s. NR 605.08(4)(a)5.).							
D004	NA	Table CCWE in s. NR 675.21	Cyanides (Amenable) Arsenic	57-12-5 7440-38-2	0.86 5.0		30 NA	
D005	NA	Table CCWE in s. NR 675.21	Barium	7440-39-3	100		NA	
D006	NA	Table CCWE in s. NR 675.21	Cadmium	7440-43-9	1.0		NA	
D007	NA	Table CCWE in s. NR 675.21	Chromium (Total)	7440-47-32	5.0		NA	
D008	NA	Table CCWE in s. NR 675.21	Lead	7439-92-1	5.0		NA	
D009	NA	Table CCWE in s. NR 675.21	Mercury	7439-97-6	0.20		NA	
D010	NA	Table CCWE in s. NR 675.21	Selenium	7782-49-2	1.0		NA	
D011	NA	Table CCWE in s. NR 675.21	Silver	7440-22-4	5.0		NA	
D012	NA	Table 2 in s. NR 675.22	Endrin	720-20-8	NA		0.13	(1)
D013	NA	Table 2 in s. NR 675.22	Lindane	58-89-9	NA		0.066	(1)
D014	NA	Table 2 in s. NR 675.22	Methoxychlor	72-43-5	NA		0.18	(1)
D015	NA	Table 2 in s. NR 675.22	Toxaphene	8001-35-1	NA		1.3	(1)
D016	NA	Table 2 in s. NR 675.22	2,4-D	94-75-7	NA		10.0	(1)
D017	NA	Table 2 in s. NR 675.22	2,4,5-TP (Silvex)	93-76-5	NA		7.9	(1)

F001-F005 spent solvents.	NA	Table CCWE in s. NR 675.21 and Table 2 in s. NR 675.22	1,1,2-Trichloroethane	71-55-6	0.030	7.6	(1)
F001-F005 spent solvents (Pharmaceutical Industry - Wastewater Subcategory).	NA	NA	Benzene	71-43-2	0.070	3.7	(1)
			Methylene chloride	75-09-2	0.44	NA	
F006	NA	Table CCWE in s. NR 675.21	Cyanides (Total)	57-12-5	1.2	590	
			Cyanides (Amenable)	57-12-5	0.86	30	
			Cadmium	7440-43-9	1.6	NA	
			Chromium	7440-47-32	0.32	NA	
			Lead	7439-92-1	0.040	NA	
			Nickel	7440-02-0	0.44	NA	
F007	NA	Table CCWE in s. NR 675.21	Cyanides (Total)	57-12-5	1.9	590	
			Cyanides (Amenable)	57-12-5	0.1	30	
			Chromium (Total)	7440-47-32	0.32	NA	
			Lead	7439-92-1	0.04	NA	
			Nickel	7440-02-0	0.44	NA	
F008	NA	Table CCWE in s. NR 675.21	Cyanides (Total)	57-12-5	1.9	590	
			Cyanides (Amenable)	57-12-5	0.1	30	
			Chromium	7440-47-32	0.32	NA	
			Lead	7439-92-1	0.04	NA	
			Nickel	7440-02-0	0.44	NA	
F009	NA	Table CCWE in s. NR 675.21	Cyanides (Total)	57-12-5	1.9	590	
			Cyanides (Amenable)	57-12-5	0.1	30	
			Chromium	7440-47-32	0.32	NA	
			Lead	7439-92-1	0.04	NA	
			Nickel	7440-02-0	0.44	NA	
F010	NA	NA	Cyanides (Total)	57-12-5	1.9	1.5	
			Cyanides (Amenable)	57-12-5	0.1	NA	
F011	NA	Table CCWE in 268.41	Cyanides (Total)	57-12-5	1.9	110	
			Cyanides (Amenable)	57-12-5	0.1	9.1	
			Chromium (Total)	7440-47-32	0.32	NA	
			Lead	7439-92-1	0.04	NA	

F012	NA	Table CCWE in s. NR 675.21	Nickel	7440-02-0	0.44		NA				
			Cyanides (Total)	57-12-5	1.9		110				
			Cyanides (Amenable)	57-12-5	0.1		9.1				
			Chromium (Total)	7440-47-32	0.32		NA				
F019	NA	Table CCWE in s. NR 675.21	Lead	7439-92-1	0.04		NA				
			Nickel	7440-02-0	0.44		NA				
			Cyanides (Total)	57-12-5	1.2		590	(3)			
			Cyanides (Amenable)	57-12-5	0.86		30	(3)			
F024	NA	Table CCWE in s. NR 675.21 and Table 2 in s. NR 675.22 (Note: F024 organic standards must be treated via incineration (INCIN))	Chromium (Total)	7440-47-32	0.32		NA				
			2-Chloro-1,3-butadiene	126-99-8	0.28	(1)	0.28	(1)			
			3-Chloropropene	107-05-	0.28	(1)	0.28	(1)			
			1,1-Dichloroethane	75-34-3	0.014	(1)	0.014	(1)			
			1,2-Dichloroethane	107-06-2	0.014	(1)	0.014	(1)			
			1,2-Dichloropropane	78-87-5	0.014	(1)	0.014	(1)			
			cis-1,3-Dichloropropene	10061-01-5	0.014	(1)	0.014	(1)			
			trans-1,3-Dichloropropene	10061-02-6	0.014	(1)	0.014	(1)			
			Bis(2-ethylhexyl)phthalate	117-81-7	0.036	(1)	1.8	(1)			
			Hexachloroethane	67-72-1	0.036	(1)	1.8	(1)			
			Chromium (Total)	7440-47-32	0.35		NA				
			Nickel	7440-02-0	0.47		NA				
			Chloroform	67-66-3	0.046	(2)	6.2	(1)			
			F025 (Light Ends Sub- category).	NA	NA	1,2-Dichloroethane	107-06-2	0.21	(2)	6.2	(1)
						1,1-Dichloroethylene	75-35-4	0.025	(2)	6.2	(1)
						Methylene chloride	75-9-2	0.089	(2)	31	(1)
						Carbon tetrachloride	56-23-5	0.057	(2)	6.2	(1)
1,1,2-Trichloroethane	79-00-5	0.054				(2)	6.2	(1)			
Trichloroethylene	79-01-6	0.054				(2)	5.6	(1)			
Vinyl chloride	75-01-4	0.27				(2)	33	(1)			
Chloroform	67-66-3	0.046				(2)	6.2	(1)			
F025 (Spent Filters or Aids and Desiccants Subcate- gory).	NA	NA									

F039

NA

Table CCWE in s. NR
675.21

Methylene chloride	75-9-2	0.089	(2)	31	(1)
Carbon tetrachloride	56-23-5	0.057	(2)	6.2	(1)
1,1,2-Trichloroethane	79-00-5	0.054	(2)	6.2	(1)
Trichloroethylene	79-01-6	0.054	(2)	5.6	(1)
Vinyl chloride	75-01-4	0.27	(2)	33	(1)
Hexachlorobenzene	118-74-1	0.055	(2)	37	(1)
Hexachlorobutadiene	87-68-3	0.055	(2)	28	(1)
Hexachloroethane	67-72-1	0.055	(2)	30	(1)
Acetone	67-64-1	0.28	(2)	160	(1)
Acenaphthalene	208-96-8	0.059	(2)	3.4	(1)
Acenaphthene	83-32-9	0.059	(2)	4.0	(1)
Acetonitrile	75-05-8	0.17	(2)	NA	
Acetophenone	96-86-2	0.010	(2)	9.7	
2-Acetylaminofluorene	53-96-3	0.059	(2)	140	(1)
Acrolein	107-02-8	0.29	(2)	NA	
Acrylonitrile	107-13-1	0.24	(2)	84	(1)
Aldrin	309-00-2	0.021	(2)	0.066	(1)
4-Aminobiphenyl	92-67-1	0.13	(2)	NA	
Aniline	62-53-3	0.81	(2)	14	(1)
Anthracene	120-12-7	0.059	(2)	4.0	(1)
Aramite	140-57-8	0.36	(2)	NA	
Aroclor 1016	12674-11-2	0.013	(2)	0.92	(1)
Aroclor 1221	11104-28-2	0.014	(2)	0.92	(1)
Aroclor 1232	11141-16-5	0.013	(2)	0.92	(1)
Aroclor 1242	53469-21-9	0.017	(2)	0.92	(1)
Aroclor 1248	12672-29-6	0.013	(2)	0.92	(1)
Aroclor 1254	11097-69-1	0.014	(2)	1.8	(1)
Aroclor 1260	11096-82-5	0.014	(2)	1.8	(1)
alpha-BHC	319-84-6	0.00014	(2)	0.066	(1)
beta-BHC	319-85-7	0.00014	(2)	0.066	(1)
delta-BHC	319-86-8	0.023	(2)	0.066	(1)
gamma-BHC	58-89-9	0.0017	(2)	0.066	(1)
Benzene	71-43-2	0.14	(2)	36	(1)
Benz(a)anthracene	56-55-3	0.059	(2)	8.2	(1)
Benzo(b)fluoranthene	205-99-2	0.055	(2)	3.4	(1)
Benzo(k)fluoranthene	207-08-9	0.059	(2)	3.4	(1)
Benzo(g,h,i)perylene	191-24-2	0.0055	(2)	1.5	(1)
Benzo(a)pyrene	50-32-8	0.061	(2)	8.2	(1)
Bromodichloromethane	75-27-4	0.35	(2)	15	(1)
Bromoform (Tribromomethane)	75-25-2	0.63	(2)	15	(1)
Bromomethane (methyl bromide)	74-83-9	0.11	(2)	15	(1)
4-Bromophenyl phenyl ether	101-55-3	0.055	(2)	15	(1)
n-Butyl alcohol	71-36-3	5.6	(2)	2.6	(1)

Butyl benzyl phthalate	85-68-7	0.017	(2)	7.9	(1)
2-sec-Butyl-4,6-dinitrophenol	88-85-7	0.066	(2)	2.5	(1)
Carbon tetrachloride	56-23-5	0.057	(2)	5.6	(1)
Carbon disulfide	75-15-0	0.014	(2)	NA	
Chlordane	57-74-9	0.0033	(2)	0.13	(1)
p-Chloroaniline	106-47-8	0.46	(2)	16	(1)
Chlorobenzene	108-90-7	0.057	(2)	5.7	(1)
Chlorobenzilate	510-15-6	0.10	(2)	NA	
2-Chloro-1,3-butadiene	126-99-8	0.057	(2)	NA	
Chlorodibromomethane	124-48-1	0.057	(2)	15	(1)
Chloroethane	75-00-3	0.27	(2)	6.0	(1)
bis(2-Chloroethoxy) methane	111-91-1	0.036	(2)	7.2	(1)
bis(2-Chloroethyl) ether	111-44-4	0.033	(2)	7.2	(1)
Chloroform	67-66-3	0.046	(2)	5.6	(1)
bis(2-Chloroisopropyl) ether	39638-32-9	0.055	(2)	7.2	(1)
p-Chloro-m-cresol	59-50-7	0.018	(2)	14	(1)
Chloromethane (Methyl chloride)	74-87-3	0.19	(2)	33	(1)
2-Chloronaphthalene	91-8-7	0.055	(2)	5.6	(1)
2-Chlorophenol	95-57-8	0.044	(2)	5.7	(1)
3-Chloropropylene	107-05-1	0.036	(2)	28	(1)
Chrysene	218-01-9	0.059	(2)	8.2	(1)
o-Cresol	95-48-7	0.11	(2)	5.6	(1)
Cresol (m- and p- isomers)		0.77	(2)	3.2	(1)
Cyclohexanone	108-94-1	0.36	(2)	NA	
1,2-Dibromo-3-chloropropane	96-12-8	0.11	(2)	15	(1)
1,2-Dibromoethane (Ethylene dibromide)	106-93-4	0.028	(2)	15	(1)
Dibromomethane	74-95-3	0.11	(2)	15	(1)
2,4-Dichlorophenoxyacetic acid (2, 4-D)	94-75-7	0.72	(2)	10	(1)
o,p'-DDD	53-19-0	0.023	(2)	0.087	(1)
p,p'-DDD	72-54-8	0.023	(2)	0.087	(1)
o,p'-DDE	3424-82-6	0.031	(2)	0.087	(1)
p,p'-DDE	72-55-9	0.031	(2)	0.087	(1)
o,p'-DDT	789-02-6	0.0039	(2)	0.087	(1)
p,p'-DDT	50-29-3	0.0039	(2)	0.087	(1)
Dibenz(a,h)anthracene	53-70-3	0.055	(2)	8.2	(1)
Dibenzo(a,e)pyrene	192-65-4	0.061	(2)	NA	
m-Dichlorobenzene	541-73-1	0.036	(2)	6.2	(1)
o-Dichlorobenzene	95-50-1	0.088	(2)	6.2	(1)
p-Dichlorobenzene	106-46-7	0.090	(2)	6.2	(1)
Dichlorodifluoromethane	75-71-8	0.23	(2)	7.2	(1)
1,1-Dichloroethane	75-34-3	0.059	(2)	7.2	(1)
1,2-Dichloroethane	107-06-2	0.21	(2)	7.2	(1)
1,1-Dichloroethylene	75-35-4	0.025	(2)	33	(1)

trans-1,2-Dichloroethylene		0.054	(2)	33	(1)
2,4-Dichlorophenol	120-83-2	0.044	(2)	14	(1)
2,6-Dichlorophenol	87-65-0	0.044	(2)	14	(1)
1,2-Dichloropropane	78-87-5	0.85	(2)	18	(1)
cis-1,3-Dichloropropene	10061-01-5	0.036	(2)	18	(1)
trans-1,3-Dichloropropene	10061-02-6	0.036	(2)	18	(1)
Dieldrin	60-57-1	0.017	(2)	0.13	(1)
Diethyl phthalate	84-66-2	0.20	(2)	28	(1)
2,4-Dimethyl phenol	105-67-9	0.036	(2)	14	(1)
Dimethyl phthalate	131-11-3	0.047	(2)	28	(1)
Di-n-butyl phthalate	84-74-2	0.057	(2)	28	(1)
1,4-Dinitrobenzene	100-25-4	0.32	(2)	2.3	(1)
4,6-Dinitro-o-cresol	534-52-1	0.28	(2)	160	(1)
2,4-Dinitrophenol	51-28-5	0.12	(2)	160	(1)
2,4-Dinitrotoluene	121-14-2	0.32	(2)	140	(1)
2,6-Dinitrotoluene	606-20-2	0.55	(2)	28	(1)
Di-n-octyl phthalate	117-84-0	0.017	(2)	28	(1)
Di-n-propylnitrosoamine	621-64-7	0.40	(2)	14	(1)
Diphenylamine	122-39-4	0.52	(2)	NA	
1,2-Diphenyl hydrazine	122-66-7	0.087	(2)	NA	
Diphenyl nitrosamine	621-64-7	0.40	(2)	NA	
1,4-Dioxane	123-91-1	0.12	(2)	170	(1)
Disulfoton	298-04-4	0.017	(2)	6.2	(1)
Endosulfan I	939-98-8	0.023	(2)	0.066	(1)
Endosulfan II	33213-6-5	0.029	(2)	0.13	(1)
Endosulfan sulfate	1031-07-8	0.029	(2)	0.13	(1)
Endrin	72-20-8	0.0028	(2)	0.13	(1)
Endrin aldehyde	7421-93-4	0.025	(2)	0.13	(1)
Ethyl acetate	141-78-6	0.34	(2)	33	(1)
Ethyl cyanide	107-12-0	0.24	(2)	360	(1)
Ethyl benzene	100-41-4	0.057	(2)	6.0	(1)
Ethyl ether	60-29-7	0.12	(2)	160	(1)
bis(2-Ethylhexyl) phthalate	117-81-7	0.28	(2)	28	(1)
Ethyl methacrylate	97-63-2	0.14	(2)	160	(1)
Ethylene oxide	75-21-8	0.12	(2)	NA	
Famphur	52-85-7	0.017	(2)	15	(1)
Fluoranthene	206-44-0	0.068	(2)	8.2	(1)
Fluorene	86-73-7	0.059	(2)	4.0	(1)
Fluorotrichloromethane	75-69-4	0.020	(2)	33	(1)
Heptachlor	76-44-8	0.0012	(2)	0.066	(1)
Heptachlor epoxide	1024-57-3	0.016	(2)	0.066	(1)
Hexachlorobenzene	118-74-1	0.055	(2)	37	(1)
Hexachlorobutadiene	87-68-3	0.055	(2)	28	(1)
Hexachlorocyclopentadiene	77-47-4	0.057	(2)	3.6	(1)
Hexachlorodibenzo-furans		0.000063	(2)	0.001	(1)

Hexachlorodibenzo-p-dioxins		0.000063	(2)	0.001	(1)
Hexachloroethane	67-72-1	0.055	(2)	28	(1)
Hexachloropropene	1888-71-7	0.035	(2)	28	(1)
Indeno(1,2,3-c,d) pyrene	193-39-5	0.0055	(2)	8.2	(1)
Iodomethane	74-88-4	0.19	(2)	65	(1)
Isobutanol	78-83-1	5.6	(2)	170	(1)
Isodrin	465-73-6	0.021	(2)	0.066	(1)
Isosafrole	120-58-1	0.081	(2)	2.6	(1)
Kepone	143-50-8	0.0011	(2)	0.13	(1)
Methacrylonitrile	126-98-7	0.24	(2)	84	(1)
Methanol	67-56-1	5.6	(2)	NA	
Methapyrilene	91-80-5	0.081	(2)	1.5	(1)
Methoxychlor	72-43-5	0.25	(2)	0.18	(1)
3-Methylcholanthrene	56-49-5	0.0055	(2)	15	(1)
4,4-Methylene-bis-(2-chloroaniline)	101-14-4	0.50	(2)	35	(1)
Methylene chloride	75-09-2	0.089	(2)	33	(1)
Methyl ethyl ketone	78-93-3	0.28	(2)	36	(1)
Methyl isobutyl ketone	108-10-1	0.14	(2)	33	(1)
Methyl methacrylate	80-62-6	0.14	(2)	160	(1)
Methyl methansulfonate	66-27-3	0.018	(2)	NA	
Methyl parathion	298-00-0	0.014	(2)	4.6	(1)
Naphthalene	91-20-3	0.059	(2)	3.1	(1)
2-Naphthylamine	91-59-8	0.52	(2)	NA	
p-Nitroaniline	100-01-6	0.028	(2)	28	(1)
Nitrobenzene	98-95-3	0.068	(2)	14	(1)
5-Nitro-o-toluidine	99-55-8	0.32	(2)	28	(1)
4-Nitrophenol	100-02-7	0.12	(2)	29	(1)
N-Nitrosodiethylamine	55-18-5	0.40	(2)	28	(1)
N-Nitrosodimethylamine	62-75-9	0.40	(2)	NA	
N-Nitroso-di-n-butylamine	924-16-3	0.40	(2)	17	(1)
N-Nitrosomethylethylamine	10595-95-6	0.40	(2)	2.3	(1)
N-Nitrosomorpholine	59-89-2	0.40	(2)	2.3	(1)
N-Nitrosopiperidine	100-75-4	0.013	(2)	35	(1)
N-Nitrosopyrrolidine	930-55-2	0.013	(2)	35	(1)
Parathion	56-38-2	0.014	(2)	4.6	(1)
Pentachlorobenzene	608-93-5	0.055	(2)	37	(1)
Pentachlorodibenzo-furans		0.000063	(2)	0.001	(1)
Pentachlorodibenzo-p-dioxins		0.000063	(2)	0.001	(1)
Pentachloronitrobenzene	82-68-8	0.055	(2)	4.8	(1)
Pentachlorophenol	87-86-5	0.089	(2)	7.4	(1)
Phenacetin	62-44-2	0.081	(2)	16	(1)
Phenanthrene	85-01-8	0.059	(2)	3.1	(1)
Phenol	108-95-2	0.039	(2)	6.2	(1)
Phorate	298-02-2	0.021	(2)	4.6	(1)

Phthalic anhydride	85-44-9	0.069	(2)	NA	
Pronamide	23950-58-5	0.093	(2)	1.5	(1)
Pyrene	129-00-0	0.067	(2)	8.2	(1)
Pyridine	110-86-1	0.014	(2)	16	(1)
Safrole	94-59-7	0.081	(2)	22	(1)
Silvex (2,4,5-TP)	93-72-1	0.72	(2)	7.9	(1)
2,4,5-T	93-76-5	0.72	(2)	7.9	(1)
1,2,4,5,-Tetrachlorobenzene	95-94-3	0.055	(2)	19	(1)
Tetrachlorodibenzo-furans		0.000063	(2)	0.001	(1)
Tetrachlorodibenzo-p-dioxins		0.000063	(2)	0.001	(1)
1,1,1,2-Tetrachloroethane	630-20-6	0.057	(2)	42	(1)
1,1,2,2-Tetrachloroethane	79-34-6	0.057	(2)	42	(1)
Tetrachloroethylene	127-18-4	0.056	(2)	5.6	(1)
2,3,4,6-Tetrachlorophenol	58-90-2	0.030	(2)	37	(1)
Toluene	108-88-3	0.080	(2)	28	(1)
Toxaphene	8001-35-1	0.0095	(2)	1.3	(1)
1,2,4-Trichlorobenzene	120-82-1	0.055	(2)	19	(1)
1,1,1-Trichloroethane	71-55-6	0.054	(2)	5.6	(1)
1,1,2-Trichloroethane	79-00-5	0.054	(2)	5.6	(1)
Trichloroethylene	79-01-6	0.054	(2)	5.6	(1)
2,4,5-Trichlorophenol	95-95-4	0.18	(2)	37	(1)
2,4,6-Trichlorophenol	88-06-2	0.035	(2)	37	(1)
1,2,3-Trichloropropane	96-18-4	0.85	(2)	28	(1)
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.057	(2)	28	(1)
Tris(2,3-dibromopropyl) phosphate	126-72-7	0.11	(2)	NA	
Vinyl chloride	75-01-4	0.27	(2)	33	(1)
Xylene(s)		0.32	(2)	28	(1)
Cyanides (Total)	57-12-5	1.2	(2)	1.8	(1)
Fluoride	16964-48-8	35	(2)	NA	
Sulfide	8496-25-8	14	(2)	NA	
Antimony	7440-36-0	1.9	(2)	NA	
Arsenic	7440-38-2	1.4	(2)	NA	
Barium	7440-39-3	1.2	(2)	NA	
Beryllium	7440-41-7	0.82	(2)	NA	
Cadmium	7440-43-9	0.20	(2)	NA	
Chromium (Total)	7440-47-32	0.37	(2)	NA	
Copper	7440-50-8	1.3	(2)	NA	
Lead	7439-92-1	0.28	(2)	NA	
Mercury	7439-97-6	0.15	(2)	NA	
Nickel	7440-02-0	0.55	(2)	NA	
Selenium	7782-49-2	0.82	(2)	NA	
Silver	7440-22-4	0.29	(2)	NA	
Thallium	7440-28-0	1.4	(2)	NA	

ID	Sample	Table Reference	Chemical	Code	Concentration	Units	Limit	Result
K001	NA	Table CCWE in s. NR 675.21	Vanadium	7440-62-2	0.042	(2)	NA	
			Zinc	7440-66-6	1.0	(2)	NA	
			Naphthalene	91-20-3	0.031	(1)	1.5	(1)
			Pentachlorophenol	87-86-5	0.18	(1)	7.4	(1)
			Phenanthrene	85-01-8	0.031	(1)	1.5	(1)
			Pyrene	129-00-0	0.028	(1)	1.5	(1)
			Toluene	108-88-3	0.028	(1)	28	(1)
K002	NA	Table CCWE in s. NR 675.21	Xylenes (Total)		0.032	(1)	33	(1)
			Lead	7439-92-1	0.037		NA	
			Chromium (Total)	7440-47-32	0.9	(2)	NA	
K003	NA	Table CCWE in s. NR 675.21	Lead	7439-92-1	3.4	(2)	NA	
			Chromium (Total)	7440-47-32	0.9	(2)	NA	
K004	NA	Table CCWE in s. NR 675.21	Lead	7439-92-1	3.4	(2)	NA	
			Chromium (Total)	7440-47-32	0.9	(2)	NA	a
K005	NA	Table CCWE in s. NR 675.21	Lead	7439-92-1	3.4	(2)	NA	
			Chromium (Total)	7440-47-32	0.9	(2)	NA	
K006	NA	Table CCWE in s. NR 675.21	Lead	7439-92-1	3.4	(2)	NA	
			Cyanides (Total)	57-12-5	0.74	(2)	(4)	
			Chromium (Total)	7440-47-32	0.9		3.4	(2)
K007	NA	Table CCWE in s. NR 675.21	Lead	7439-92-1			(2)	NA
			Chromium (Total)	7440-47-32	0.9	(2)	NA	
K008	NA	Table CCWE in s. NR 675.21	Lead	7439-92-1	3.4	(2)	NA	
			Cyanides (Total)	57-12-5	0.74	(2)	(4)	
			Chromium (Total)	7440-47-32	0.9	(2)	NA	
K009	NA	NA	Lead	7439-92-1	3.4	(2)	NA	
			Chloroform	67-66-3	0.1		6.0	(1)
K010	NA	NA	Chloroform	67-66-3	0.1		6.0	(1)
			Acetonitrile	75-05-8	38		1.8	(1)
K011	NA	NA	Acrylonitrile	107-13-1	0.06		1.4	(1)
			Acrylamide	79-06-1	19		23	(1)
			Benzene	71-43-2	0.02		0.03	(1)
			Cyanide (Total)	57-12-5	21		57	
			Acetonitrile	75-05-8	38		1.8	(1)
			Acrylonitrile	107-13-1	0.06		1.4	(1)
			Acrylamide	79-06-1	19		23	(1)
K013	NA	NA	Benzene	71-43-2	0.02		0.03	(1)
			Cyanide (Total)	57-12-5	21		57	

K014	NA	NA	Acetonitrile	75-05-8	38		1.8	(1)	
			Acrylonitrile	107-13-1	0.06		1.4	(1)	
			Acrylamide	79-06-1	19		23	(1)	
			Benzene	71-43-2	0.02		0.03	(1)	
K015	NA	Table CCWE in s. NR 675.21	Cyanide (Total)	57-12-5	21		57		
			Anthracene	120-12-7	1.0		3.4	(1)	
K016	NA	NA	Benzal Chloride	98-87-3	0.28		6.2	(1)	
			Sum of Benzo(b)fluoranthene and Benzo(k)fluoranthene	205-99-2 207-08-9		0.29		3.4	(1)
			Phenanthrene	85-01-8	0.27		3.4	(1)	
			Toluene	108-88-3	0.15		6.0	(1)	
			Chromium (Total)	7440-47-32	0.32		NA	(1)	
			Nickel	7440-02-0	0.44		NA		
			Hexachlorobenzene	118-74-1	0.033	(1)	28	(1)	
			Hexachlorobutadiene	87-68-3	0.007	(1)	5.6	(1)	
			Hexachlorocyclopentadiene	77-47-4	0.007	(1)	5.6	(1)	
			Hexachloroethane	67-72-1	0.033	(1)	28	(1)	
K017	NA	NA	Tetrachloroethene	127-18-4	0.007	(1)	6.0	(1)	
			1,2-Dichloropropane	78-87-5	0.85	(1,2)	18	(1)	
			1,2,3-Trichloropropane	96-18-4	0.85	(1,2)	28	(1)	
K018	NA	NA	Bis(2-chloroethyl)ether	111-44-4	0.033	(1,2)	7.2	(1)	
			Chloroethane	75-00-3	0.007	(1)	6.0	(1)	
			Chloromethane	74-87-3	0.007	(1)	NA		
			1,1-Dichloroethane	75-34-3	0.007	(1)	6.0	(1)	
			1,2-Dichloroethane	107-06-2	0.007	(1)	6.0	(1)	
			Hexachlorobenzene	118-74-1	0.033	(1)	28	(1)	
			Hexachlorobutadiene	87-68-3	0.007	(1)	5.6	(1)	
			Hexachloroethane	67-72-1	NA		28	(1)	
			Pentachloroethane	76-01-7	0.007	(1)	5.6	(1)	
			1,1,1-Trichloroethane	71-55-6	0.007	(1)	6.0	(1)	
K019	NA	NA	Bis(2-chloroethyl)ether	111-44-4	0.007	(1)	5.6	(1)	
			Chlorobenzene	108-90-7	0.006	(1)	6.0	(1)	
			Chloroform	67-66-3	0.007	(1)	6.0	(1)	
			p-Dichlorobenzene	106-46-7	0.008	(1)	NA		
			1,2-Dichloroethane	107-06-2	0.007	(1)	6.0	(1)	
			Fluorene	86-73-7	0.007	(1)	NA		
			Hexachloroethane	67-72-1	0.033	(1)	28	(1)	
			Naphthalene	91-20-3	0.007	(1)	5.6	(1)	
			Phenanthrene	85-01-8	0.007	(1)	5.6	(1)	
			1,2,4,5-Tetrachlorobenzene	95-94-3	0.017	(1)	NA		
			Tetrachloroethene	127-18-4	0.007	(1)	6.0	(1)	
			1,2,4-Trichlorobenzene	120-82-1	0.023	(1)	19	(1)	
			1,1,1-Trichloroethane	71-55-6	0.007	(1)	6.0	(1)	
			1,2-Dichloroethane	107-06-2	0.007	(1)	6.0	(1)	
K020	NA	NA							

Sample ID	Location	Table Reference	Chemical	Code	Concentration	Units	Value	Notes			
K021	NA	Table CCWE in s. NR 675.21	1,1,2,2-Tetrachloroethane	79-34-6	0.007	(1)	5.6	(1)			
			Tetrachloroethene	127-18-4	0.007	(1)	6.0	(1)			
			Chloroform	67-66-3	0.046	(2)	6.2	(1)			
K022	NA	Table CCWE in s. NR 675.21	Carbon tetrachloride	56-23-5	0.057	(2)	6.2	(1)			
			Antimony	7440-36-0	0.60	(2)	NA	(1)			
			Toluene	108-88-3	0.080	(2)	0.034	(1)			
K023	NA	NA	Acetophenone	96-86-2	0.010		19	(1)			
			Diphenylamine	22-39-4	0.52	(2)	NA				
			Diphenylnitrosamine	86-30-6	0.40	(2)	NA				
			Sum of Diphenylamine and Diphenylnitrosamine		NA		13	(1)			
			Phenol	108-95-2	0.039		12	(1)			
			Chromium (Total)	7440-47-32	0.35		NA				
			Nickel	7440-02-0	0.47		NA				
			Phthalic anhydride (measured as Phthalic acid)	85-44-9	0.54	(1)	28	(1)			
			K024	NA	NA	Phthalic anhydride (measured as Phthalic acid)	85-44-9	0.54	(1)	28	(1)
						1,1-Dichloroethane	75-34-3	0.007	(1)	6.0	(1)
K028	NA	Table CCWE in s. NR 675.21	trans-1,2-Dichloroethane		0.033	(1)	6.0	(1)			
			Hexachlorobutadiene	87-68-3	0.007	(1)	5.6	(1)			
			Hexachloroethane	67-72-1	0.033	(1)	28	(1)			
			Pentachloroethane	76-01-7	0.033	(1)	5.6	(1)			
			1,1,1,2-Tetrachloroethane	630-20-6	0.007	(1)	5.6	(1)			
			1,1,2,2-Tetrachloroethane	79-34-6	0.007	(1)	5.6	(1)			
			1,1,1-Trichloroethane	71-55-6	0.007	(1)	6.0	(1)			
			1,1,2-Trichloroethane	79-00-5	0.007	(1)	6.0	(1)			
			Tetrachloroethylene	127-18-4	0.007	(1)	6.0	(1)			
			Cadmium	7440-43-9	6.4		NA				
			Chromium (Total)	7440-47-32	0.35		NA				
			Lead	7439-92-1	0.037		NA				
			Nickel	7440-02-0	0.47		NA				
			K029	NA	NA	Chloroform	67-66-3	0.046		6.0	(1)
						1,2-Dichloroethane	107-06-2	0.21		6.0	(1)
						1,1-Dichloroethylene	75-35-4	0.025		6.0	(1)
						1,1,1-Trichloroethane	71-55-6	0.054		6.0	(1)
Vinyl chloride	75-01-4	0.27					6.0	(1)			
K030	NA	NA	o-Dichlorobenzene	95-50-1	0.008	(1)	NA				
			p-Dichlorobenzene	106-46-7	0.008	(1)	NA				
			Hexachlorobutadiene	87-68-3	0.007	(1)	5.6	(1)			
			Hexachloroethane	67-72-1	0.033	(1)	28	(1)			
			Hexachloropropene	1888-71-7	NA		19	(1)			

			Tetrachloroethene	79-01-6	0.006	(1)	1.7	(1)
			Hexachlorodibenzo-p-dioxins		0.001	(1)	0.001	(1)
			Hexachlorodibenzo-furans		0.001	(1)	0.001	(1)
			Pentachlorodibenzo-p-dioxins		0.001	(1)	0.001	(1)
			Pentachlorodibenzo-furans		0.001	(1)	0.001	(1)
			Tetrachlorodibenzo-p-dioxins		0.001	(1)	0.001	(1)
			Tetrachlorodibenzo-furans		0.001	(1)	0.001	(1)
K046	NA	Table CCWE in s. NR 675.21	Lead	7439-92-1	0.037		NA	
K048	NA	Table CCWE in s. NR 675.21	Benzene	71-43-2	0.011	(1)	14	(1)
			Benzo(a)pyrene	50-32-8	0.047	(1)	12	(1)
			Bis(2-ethylhexyl)phthalate	117-81-7	0.043	(1)	7.3	(1)
			Chrysene	218-01-9	0.043	(1)	15	(1)
			Di-n-butyl phthalate	84-74-2	0.06	(1)	3.6	(1)
			Ethylbenzene	100-41-4	0.011	(1)	14	(1)
			Fluorene	86-73-7	0.05	(1)	NA	
			Naphthalene	91-20-3	0.033	(1)	42	(1)
			Phenanthrene	85-01-8	0.039	(1)	34	(1)
			Phenol	108-95-2	0.047	(1)	3.6	(1)
			Pyrene	129-00-0	0.045	(1)	36	(1)
			Toluene	108-88-3	0.011	(1)	14	(1)
			Xylene(s)		0.011	(1)	22	(1)
			Cyanides (Total)	57-12-5	0.028	(1)	1.8	(1)
			Chromium (Total)	7440-47-32	0.2		NA	
			Lead	7439-92-1	0.037		NA	
K049	NA	Table CCWE in s. NR 675.21	Anthracene	120-12-7	0.039	(1)	28	(1)
			Benzene	71-43-2	0.011	(1)	14	(1)
			Benzo(a)pyrene	50-32-8	0.047	(1)	12	(1)
			Bis(2-ethylhexyl)phthalate	117-81-7	0.043	(1)	7.3	(1)
			Carbon disulfide	75-15-0	0.011	(1)	NA	
			Chrysene	2218-01-9	0.043	(1)	15	(1)
			2,4-Dimethylphenol	105-67-9	0.033	(1)	NA	
			Ethylbenzene	100-41-4	0.011	(1)	14	(1)
			Naphthalene	91-20-3	0.033	(1)	42	(1)
			Phenanthrene	85-01-8	0.039	(1)	34	(1)
			Phenol	108-95-2	0.047	(1)	3.6	(1)
			Pyrene	129-00-0	0.045	(1)	36	(1)
			Toluene	108-88-3	0.011	(1)	14	(1)
			Xylene(s)		0.011	(1)	22	(1)
			Cyanides (Total)	57-12-5	0.028	(1)	1.8	(1)
			Chromium (Total)	7440-47-32	0.2		NA	
			Lead	7439-92-1	0.037	(1)	NA	
K050	NA	Table CCWE in s. NR	Benzo(a)pyrene	50-32-8	0.047	(1)	12	(1)

Sample ID	Location	Table Reference	Chemical	Code	Concentration	Unit	Value	Notes
K051	NA	Table CCWE in s. NR 675.21	Phenol	108-95-2	0.047	(1)	3.6	(1)
			Cyanides (Total)	57-12-5	0.028	(1)	1.8	(1)
			Chromium (Total)	7440-47-32	0.2		NA	
			Lead	7439-92-1	0.037		NA	
			Acenaphthene	208-96-8	0.05	(1)	NA	
			Anthracene	120-12-7	0.039	(1)	28	(1)
			Benzene	71-43-2	0.011	(1)	14	(1)
			Benzo(a)anthracene	50-32-8	0.043	(1)	20	
			Benzo(a)pyrene	117-81-7	0.047	(1)	12	(1)
			Bis(2-ethylhexyl)phthalate	75-15-0	0.043	(1)	7.3	(1)
			Chrysene	2218-01-9	0.043	(1)	15	(1)
			Di-n-butyl phthalate	105-67-9	0.06	(1)	3.6	(1)
			Ethylbenzene	100-41-4	0.011	(1)	14	(1)
			Fluorene	86-73-7	0.05	(1)	NA	
			Naphthalene	91-20-3	0.033	(1)	42	(1)
			Phenanthrene	85-01-8	0.039	(1)	34	(1)
			K052	NA	Table CCWE in s. NR 675.21	Phenol	108-95-2	0.047
Pyrene	129-00-0	0.045				(1)	36	(1)
Toluene	108-88-3	0.011				(1)	14	(1)
Xylene(s)		0.011				(1)	22	(1)
Cyanides (Total)	57-12-5	0.028				(1)	1.8	(1)
Chromium (Total)	7440-47-32	0.02					NA	
Lead	7439-92-1	0.037					NA	
Benzene	71-43-2	0.011				(1)	14	(1)
Benzo(a)pyrene	50-32-8	0.047				(1)	12	(1)
o-Cresol	95-48-7	0.011				(1)	6.2	(1)
p-Cresol	106-44-5	0.011				(1)	6.2	(1)
2,4-Dimethylphenol	105-67-9	0.033				(1)	NA	
Ethylbenzene	100-41-4	0.011				(1)	14	(1)
Naphthalene	91-20-3	0.033				(1)	42	(1)
Phenanthrene	85-01-8	0.039				(1)	42	(1)
Phenol	108-95-2	0.047				(1)	3.6	(1)
Toluene	108-88-3	0.011				(1)	14	(1)
K060	NA	NA	Xylene(s)		0.011	(1)	22	(1)
			Cyanides (Total)	57-12-5	0.028	(1)	1.8	(1)
			Chromium (Total)	7440-47-32	0.02		NA	
			Lead	7439-92-1	0.037		NA	
			Benzene	71-43-2	0.17	(1,2)	0.071	(1)
			Benzo(a)pyrene	50-32-8	0.035	(1,2)	3.6	(1)
			Naphthalene	91-20-3	0.028	(1,2)	3.4	(1)
			Phenol	108-95-2	0.042	(1,2)	3.4	(1)
			Cyanides (Total)	57-12-5	1.9		1.2	

K061	NA	Table CCWE in s. NR 675.21	Cadmium	7440-43-9	1.61		NA	
			Chromium (Total)	7440-47-32	0.32		NA	
			Lead	7439-92-1	0.51		NA	
			Nickel	7440-02-0	0.44		NA	
K062	NA	Table CCWE in s. NR 675.21	Chromium (Total)	7440-47-32	0.32		NA	
			Lead	7439-92-1	0.04		NA	
			Nickel	7440-02-0	0.44		NA	
K069	NA	Table CCWE in s. NR 675.21 and Table 2 in s. NR 675.22	Cadmium	7440-43-9	1.6		NA	
			Lead	7439-92-1	0.51		NA	
			Mercury	7439-97-6	0.030		NA	
K071	NA	Table CCWE in s. NR 675.21						
K073	NA	NA	Carbon tetrachloride	56-23-5	0.057	(2)	6.2	(1)
			Chloroform	67-66-3	0.046	(2)	6.2	(1)
			Hexachloroethane	67-72-1	0.055	(2)	30	(1)
			Tetrachloroethane	127-18-4	0.056	(2)	6.2	(1)
			1,1,1-Trichloroethane	71-55-6	0.054	(2)	6.2	(1)
K083	NA	Table CCWE in s. NR 675.21	Benzene	71-43-2	0.14	(2)	6.6	(1)
			Aniline	62-53-3	0.81		14	(1)
			Diphenylamine	22-39-4	0.52	(2)	NA	
			Diphenylnitrosamine	86-30-6	0.40	(2)	NA	
			Sum of Diphenylamine and Diphenylnitrosamine		NA		14	(1)
			Nitrobenzene	98-95-3	0.068	(2)	14	(1)
			Phenol	108-95-2	0.039		5.6	(1)
			Cyclohexanone	108-94-1	0.36		NA	
			Nickel	7440-02-0	0.47		NA	
K084	NA	NA	Arsenic	7440-38-2	0.79		NA	
K085	NA	NA	Benzene	71-43-2	0.14	(2)	4.4	(1)
			Chlorobenzene	108-90-7	0.057	(2)	4.4	(1)
			o-Dichlorobenzene	95-50-1	0.088	(2)	4.4	(1)
			m-Dichlorobenzene	541-73-1	0.036	(2)	4.4	(1)
			p-Dichlorobenzene	106-46-7	0.090	(2)	4.4	(1)
			1,2,4-Trichlorobenzene	120-82-1	0.055	(2)	4.4	(1)
			1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	(2)	4.4	(1)
			Pentachlorobenzene	608-93-5	0.055	(2)	4.4	(1)
			Hexachlorobenzene	118-74-1	0.055	(2)	4.4	(1)
			Aroclor 1016	12674-11-2	0.013	(2)	0.92	(1)
			Aroclor 1221	11104-28-2	0.014	(2)	0.92	(1)
			Aroclor 1232	11141-16-5	0.013	(2)	0.92	(1)
			Aroclor 1242	53469-21-9	0.017	(2)	0.92	(1)

			Aroclor 1248	12672-29-6	0.013	(2)	0.92	(1)
			Aroclor 1254	11097-69-1	0.014	(2)	1.8	(1)
			Aroclor 1260	11096-82-5	0.014	(2)	1.8	(1)
K086	NA	Table CCWE in s. NR 675.21	Acetone	67-64-1	0.28		160	(1)
			Acetophenone	96-86-2	0.010		9.7	(1)
			Bis(2-ethylhexyl)phthalate	117-81-7	0.28	(2)	28	(1)
			n-Butyl alcohol	71-36-3	5.6		2.6	(1)
			Butylbenzylphthalate	85-68-7	0.017	(2)	7.9	(1)
			Cyclohexanone	108-94-1	0.36		NA	
			1,2-Dichlorobenzene	95-50-1	0.088		6.2	(1)
			Diethyl phthalate	84-66-2	0.20	(2)	28	(1)
			Dimethyl phthalate	131-11-3	0.047	(2)	28	(1)
			Di-n-butyl phthalate	84-74-2	0.057	(2)	28	(1)
			Di-n-octyl phthalate	117-84-0	0.017	(2)	28	(1)
			Ethyl acetate	141-78-6	0.34	(2)	33	(1)
			Ethylbenzene	100-41-4	0.057	(2)	6.0	(1)
			Methanol	67-56-1	5.6	(2)	NA	
			Methyl isobutyl ketone	108-10-1	0.14		33	(1)
			Methyl ethyl ketone	78-93-3	0.28		36	(1)
			Methylene chloride	75-09-2	0.089	(2)	33	(1)
			Naphthalene	91-20-3	0.059	(2)	3.1	(1)
			Nitrobenzene	98-95-3	0.068	(2)	14	(1)
			Toluene	108-88-3	0.080	(2)	28	(1)
			1,1,1-Trichloroethane	71-55-6	0.054	(2)	5.6	(1)
			Trichloroethylene	79-01-6	0.054	(2)	5.6	(1)
			Xylenes (Total)		0.32	(2)	28	(1)
			Cyanides (Total)	57-12-5	1.9		1.5	(1)
			Chromium (Total)	7440-47-32	0.32		NA	
K087	NA	Table CCWE in s. NR 675.21	Lead	7439-92-1	0.037		NA	
			Acenaphthalene	208-96-8	0.028	(1)	3.4	(1)
			Benzene	71-43-2	0.014	(1)	0.071	(1)
			Chrysene	218-01-9	0.028	(1)	3.4	(1)
			Fluoranthene	206-44-0	0.028	(1)	3.4	(1)
			Indeno(1,2,3-cd)pyrene	193-39-5	0.028	(1)	3.4	(1)
			Naphthalene	91-20-3	0.028	(1)	3.4	(1)
			Phenanthrene	85-01-8	0.028	(1)	3.4	(1)
			Toluene	108-88-3	0.008	(1)	0.65	(1)
			Xylenes		0.014	(1)	0.07	(1)
			Lead	7439-92-1	0.037		NA	
K093	NA	NA	Phthalic anhydride (measured as Phthalic acid)	85-44-9	0.54	(1)	28	(1)
K094	NA	NA	Phthalic anhydride (measured as Phthalic acid)	85-44-9	0.54	(1)	28	(1)

K095	NA	NA	1,1,1,2-Tetrachloroethane	630-20-6	0.057		5.6	(1)
			1,1,2,2-Tetrachloroethane	79-34-6	0.057		5.6	(1)
			Tetrachloroethene	127-18-4	0.056		6.0	(1)
			1,1,2-Trichloroethane	79-00-5	0.054		6.0	(1)
			Trichloroethylene	79-01-6	0.054		5.6	(1)
			Hexachloroethane	67-72-1	0.055		28	(1)
K096	NA	NA	Pentachloroethane	76-01-7	0.055		5.6	(1)
			1,1,1,2-Tetrachloroethane	630-20-6	0.057		5.6	(1)
			1,1,2,2-Tetrachloroethane	79-34-6	0.057		5.6	(1)
			Tetrachloroethene	127-18-4	0.056		6.0	(1)
			1,1,2-Trichloroethane	79-00-5	0.054		6.0	(1)
			Trichloroethene	79-01-6	0.054		5.6	(1)
			Trichloroethylene	79-01-6	0.054		5.6	(1)
			1,3-Dichlorobenzene	541-73-1	0.036		5.6	(1)
			Pentachloroethane	76-01-7	0.055		5.6	(1)
			1,2,4-Trichlorobenzene	120-82-1	0.055		19	(1)
			K097	NA	NA	Hexachlorocyclopentadiene	77-47-4	0.057
Chlordane	57-74-9	0.0033				(2)	0.26	(1)
Heptachlor	76-44-8	0.0012				(2)	0.066	(1)
Heptachlor epoxide	1024-57-3	0.016				(2)	0.066	(1)
Toxaphene	8001-35-1	0.0095				(2)	2.6	(1)
K098 K099	NA NA	NA NA	2,4-Dichlorophenoxyacetic acid	94-75-7	1.0	(1)	1.0	(1)
			Hexachlorodibenzo-p-dioxins		0.001	(1)	0.001	(1)
			Hexachlorodibenzofurans		0.001	(1)	0.001	(1)
			Pentachlorodibenzo-p-dioxins		0.001	(1)	0.001	(1)
			Pentachlorodibenzofurans		0.001	(1)	0.001	(1)
			Tetrachlorodibenzo-p-dioxins		0.001	(1)	0.001	(1)
			Tetrachlorodibenzofurans		0.001	(1)	0.001	(1)
			Cadmium	7440-43-9	1.6		NA	
			Chromium (Total)	7440-47-32	0.32		NA	
			Lead	7439-92-1	0.51		NA	
K101	NA	NA	o-Nitroaniline		0.27	(1)	14	(1)
			Arsenic	7440-38-2	0.79		NA	
			Cadmium	7440-43-9	0.24		NA	
			Lead	7439-92-1	0.17		NA	
			Mercury	7439-97-6	0.082		NA	
			o-Nitrophenol		0.028	(1)	13	(1)
K102	NA	Table CCWE in s. NR 675.21	Arsenic	7440-38-2	0.79		NA	
			Cadmium	7440-43-9	0.24		NA	
			Lead	7439-92-1	0.17		NA	
			Mercury	7439-97-6	0.082		NA	
			Aniline	62-53-3	4.5		5.6	(1)
K103	NA	NA	Benzene	71-43-2	0.15		6.0	(1)

			2,4-Dinitrophenol	51-28-5	0.61		5.6	(1)
			Nitrobenzene	98-95-3	0.073		5.6	(1)
K104	NA	NA	Phenol	108-95-2	1.4		5.6	(1)
			Aniline	62-53-3	4.5		5.6	(1)
			Benzene	71-43-2	0.15		6.0	(1)
			2,4-Dinitrophenol	51-28-5	0.61		5.6	(1)
			Nitrobenzene	98-95-3	0.073		5.6	(1)
			Phenol	108-95-2	1.4		5.6	(1)
K105	NA	NA	Cyanides (Total)	57-12-5	2.7		1.8	(1)
			Benzene	71-43-2	0.14		4.4	(1)
			Chlorobenzene	108-90-7	0.057		4.4	(1)
			o-Dichlorobenzene	95-50-1	0.088		4.4	(1)
			p-Dichlorobenzene	106-46-7	0.090		4.4	(1)
			2,4,5-Trichlorophenol	95-95-4	0.18		4.4	(1)
			2,4,6-Trichlorophenol	88-06-2	0.035		4.4	(1)
			2-Chlorophenol	95-57-8	0.044		4.4	(1)
			Phenol	108-95-2	0.039		4.4	(1)
K106	NA	Table CCWE in s. NR 675.21 and Table 2 in s. NR 675.22	Mercury	7439-97-6	0.030		NA	
K115	NA	Table CCWE in s. NR 675.21	Nickel	7440-02-0	0.47		NA	
P003	Acrolein	Table 2 in s. NR 675.22	Acrolein	107-02-8	0.29		NA	
P004	Aldrin	NA	Aldrin	309-00-2	0.021	(2)	0.066	(1)
P010	Arsenic acid	Table CCWE in s. NR 675.21	Arsenic	7440-38-2	0.79		NA	
P011	Arsenic pentoxide	Table CCWE in s. NR 675.21	Arsenic	7440-38-2	0.79		NA	
P012	Arsenic trioxide	Table CCWE in s. NR 675.21	Arsenic	7440-38-2	0.79		NA	
P013	Barium cyanide	Table CCWE in s. NR 675.21	Cyanides (Total)	57-12-5	1.9		110	
			Cyanides (Amenable)	57-12-5	0.1		9.1	
P020	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	NA	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	88-85-7	0.066		2.5	(1)
P021	Calcium cyanide	NA	Cyanides (Total)	57-12-5	1.9		110	
			Cyanides (Amenable)	57-12-5	0.1		9.1	
P022	Carbon disulfide	Table 2 in s. NR 675.22	Carbon disulfide	75-15-0	0.014		NA	
P024	p-Chloroaniline	NA	p-Chloroaniline	106-47-8	0.46		16	(1)
P029	Copper cyanide	NA	Cyanides (Total)	57-12-5	1.9		110	
			Cyanides (Amenable)	57-12-5	0.1		9.1	
P030	Cyanides (soluble salts and complexes)	NA	Cyanides (Total)	57-12-5	1.9		110	
			Cyanides (Amenable)	57-12-5	0.1		9.1	
P036	Dichlorophenylarsine	Table CCWE in s. NR	Arsenic	7440-38-2	0.79		NA	

P037	Dieldrin	675.21 NA	Dieldrin	60-57-1	0.017	(2)	0.13	(1)
P038	Diethylarsine	Table CCWE in s. NR 675.21	Arsenic	7440-38-2	0.79		NA	
P039	Disulfoton	NA	Disulfoton	298-04-4	0.017		0.1	(1)
P047	4,6-Dinitro-o-cresol	NA	4,6-Dinitro-o-cresol	534-52-1	0.28	(2)	160	(1)
P048	2,4-Dinitrophenol	NA	2,4-Dinitrophenol	51-28-5	0.12	(2)	160	(1)
P050	Endosulfan	NA	Endosulfan I	939-98-8	0.023	(2)	0.066	(1)
			Endosulfan II	33213-6-5	0.029	(2)	0.13	(1)
P051	Endrin	NA	Endosulfan sulfate	1031-07-8	0.029	(2)	0.13	(1)
			Endrin	72-20-8	0.0028	(2)	0.13	(1)
P056	Fluoride	Table 2 in s. NR 675.22	Endrin aldehyde	7421-93-4	0.025	(2)	0.13	(1)
P059	Heptachlor	NA	Fluoride	16964-48-8	35		NA	
			Heptachlor	76-44-8	0.0012	(2)	0.066	(1)
P060	Isodrin	NA	Heptachlor epoxide	1024-57-3	0.016	(2)	0.066	(1)
P063	Hydrogen cyanide	NA	Isodrin	465-73-6	0.021	(2)	0.066	(1)
			Cyanides (Total)	57-12-5	1.9		110	
P065	Mercury fulminate	Table CCWE in s. NR 675.21 and Table 2 in s. NR 675.22	Cyanides (Amenable)	57-12-5	0.10		9.1	
			Mercury	7439-97-6	0.030		NA	
P071	Methyl parathion	NA	Methyl parathion	298-00-0	0.025		0.1	(1)
P073	Nickel carbonyl	Table CCWE in s. NR 675.21	Nickel	7440-02-0	0.32		NA	
P074	Nickel cyanide	Table CCWE in s. NR 675.21	Cyanides (Total)	57-12-5	1.9		110	
			Cyanides (Amenable)	57-12-5	0.10		9.1	
P077	p-Nitroaniline	NA	Nickel	7440-02-0	0.44		NA	
P082	N-Nitrosodimethylamine	Table 2 in s. NR 675.22	p-Nitroaniline	100-01-6	0.028	(2)	28	(1)
P089	Parathion	NA	N-Nitrosodimethylamine	62-75-9	0.40	(2)	NA	
P092	Phenylmercury acetate	Table CCWE in s. NR 675.21 and Table 2 in s. NR 675.22	Parathion	56-38-2	0.025		0.1	(1)
			Mercury	7439-97-6	0.030		NA	
P094	Phorate	NA	Phorate	298-02-2	0.025		0.1	(1)
P097	Famphur	NA	Famphur	52-85-7	0.025		0.1	(1)
P098	Potassium cyanide	NA	Cyanides (Total)	57-12-5	1.9		110	
			Cyanides (Amenable)	57-12-5	0.10		9.1	
P099	Potassium silver cyanide	Table CCWE in s. NR 675.21	Cyanides (Total)	57-12-5	1.9		110	
			Cyanides (Amenable)	57-12-5	0.1		9.1	
P101	Ethyl cyanide (Propanenitrile)	NA	Silver	7440-22-4	0.29		NA	
			Ethyl cyanide (Propanenitrile)	107-12-0	0.24	(2)	360	(1)
P103	Selenourea	Table CCWE in s. NR	Selenium	7782-49-2	1.0	(2)	NA	

Item ID	Chemical Name	Reference	Concentration	Code	Value	Notes	Unit	Limit
P104	Silver cyanide	675.21 Table CCWE in 268.41	Cyanides (Total)	57-12-5	1.9			110
			Cyanides (Amenable)	57-12-5	0.10			9.1
P106	Sodium cyanide	NA	Silver	7440-22-4	0.29			NA
			Cyanides (Total)	57-12-5	1.9			110
			Cyanides (Amenable)	57-12-5	0.10			9.1
P110	Tetraethyl lead	Table CCWE in 268.41 and Table 2 in 268.42	Lead	7439-92-1	0.040			NA
P113	Thallic oxide	Table 2 in 268.42	Thallium	7440-28-0	0.14	(2)		NA
P114	Thallium selenite	Table CCWE in 268.41	Selenium	7782-49-2	1.0			NA
P115	Thallium(I)sulfate	Table 2 in 268.42	Thallium	7440-28-0	0.14	(2)		NA
P119	Ammonia vandate	Table 2 in 268.42	Vanadium	7440-62-2	28	(2)		NA
P120	Vanadium pentoxide	Table 2 in 268.42	Vanadium	7440-62-2	28	(2)		NA
P121	Zinc cyanide	NA	Cyanides Total)	57-12-5	1.9			110
			Cyanides (Amenable)	57-12-5	0.10			9.1
P123	Toxaphene	NA	Toxaphene	8001-35-1	0.0095	(2)		1.3 (1)
U002	Acetone	NA	Acetone	67-64-1	0.28			160 (1)
U003	Acetonitrile	Table 2 in 268.42	Acetonitrile	75-05-8	0.17			0.17
U004	Acetophenone	NA	Acetophenone	98-86-2	0.010	(1)		9.7 (1)
U005	2-Acetylaminofluorene	NA	2-Acetylaminofluorene	53-96-3	0.059	(2)		140 (1)
U009	Acrylonitrile	NA	Acrylonitrile	107-13-1	0.24	(2)		84 (1)
U012	Aniline	NA	Aniline	62-53-3	0.81			14 (1)
U018	Benz(a)anthracene	NA	Benz(a)anthracene	56-55-3	0.059	(2)		8.2 (1)
U019	Benzene	NA	Benzene	71-43-2	0.14	(2)		36 (1)
U022	Benzo(a)pyrene	NA	Benzo(a)pyrene	50-32-8	0.061	(2)		8.2 (1)
U024	Bis(2-chloroethoxy)methane	NA	Bis(2-chloroethoxy)methane	111-91-1	0.036			7.2 (1)
U025	Bis(2-chloroethyl)ether	NA	Bis(2-chloroethyl)ether	111-44-4	0.033			7.2 (1)
U027	Bis(2-chloroisopropyl)ether	NA	Bis(2-chloroisopropyl)ether	39638-32-9	0.055	(2)		7.2 (1)
U028	Bis(2-ethylhexyl)phthalate	NA	Bis(2-ethylhexyl)phthalate	117-81-7	0.54	(1)		28 (1)
U029	Bromomethane (Methyl bromide)	NA	Bromomethane (Methyl bromide)	74-83-9	0.11	(1)		15 (1)
U030	4-Bromophenyl phenyl ether	NA	4-Bromophenyl phenyl ether	101-55-3	0.055	(1)		15 (1)
U031	n-Butyl alcohol	NA	n-Butyl alcohol	71-36-3	5.6			2.6 (1)
U032	Calcium chromate	Table CCWE in 268.41	Chromium (Total)	7440-47-32	0.32			NA
U036	Chlordane (alpha and gamma)	NA	Chlordane (alpha and gamma)	57-74-9	0.0033	(2)		0.13 (1)
U037	Chlorobenzene	NA	Chlorobenzene	108-90-7	0.057	(2)		5.7 (1)
U038	Chlorobenzilate	Table 2 in 268.42	Chlorobenzilate	510-15-6	0.10	(2)		NA
U039	p-Chloro-m-cresol	NA	p-Chloro-m-cresol	59-50-7	0.018	(2)		14 (1)
U043	Vinyl chloride	NA	Vinyl chloride	75-01-4	0.27	(2)		33 (1)
U044	Chloroform	NA	Chloroform	67-66-3	0.046	(2)		5.6 (1)
U045	Chloromethane (Methyl chloride)	NA	Chloromethane (Methyl chloride)	74-87-3	0.19	(2)		33 (1)
U047	2-Chloronaphthalene	NA	2-Chloronaphthalene	91-58-7	0.055	(2)		5.6 (1)
U048	2-Chlorophenol	NA	2-Chlorophenol	95-57-8	0.044	(2)		5.7 (1)
U050	Chrysene	NA	Chrysene	218-01-9	0.059	(2)		8.2 (1)

U051	Creosote	Table CCWE in 268.41	Naphthalene	91-20-3	0.031		1.5	(1)
			Pentachlorophenol	87-86-5	0.18		7.4	(1)
			Phenanthrene	85-01-8	0.031	(2)	1.5	(1)
			Pyrene	129-00-0	0.028		1.5	(1)
			Toluene	108-88-3	0.028		28	(1)
			Xylenes (Total)		0.032		33	(1)
U052	Cresols (Cresylic acid)	NA	Lead	7439-92-1	0.037		NA	
			o-Cresol	95-48-7	0.11	(2)	5.6	(1)
U057	Cyclohexanone	Table 2 in 268.42	Cresols (m- and p- isomers)		0.77	(2)	3.2	(1)
U060	DDD	NA	Cyclohexanone	108-94-1	0.36		NA	
U061	DDT	NA	o,p'-DDD	53-19-0	0.023		0.087	(1)
			p,p'-DDD	72-54-8	0.023		0.087	(1)
			o,p'-DDT	789-02-6	0.0039	(2)	0.087	(1)
			p,p'-DDT	50-29-3	0.0039	(2)	0.087	(1)
			o,p'-DDD	53-19-0	0.023	(2)	0.087	(1)
			p,p'-DDD	72-54-8	0.023	(2)	0.087	(1)
			o,p'-DDE	3424-82-6	0.031	(2)	0.087	(1)
			p,p'-DDE	72-55-9	0.031	(2)	0.087	(1)
U063	Dibenzo(a,h)anthracene	NA	Dibenzo(a,h)anthracene	53-70-3	0.055	(2)	8.2	(1)
U066	1,2-Dibromo-3-chloropropane	NA	1,2-Dibromo-3-chloropropane	96-12-8	0.11	(2)	15	(1)
U067	1,2-Dibromoethane (Ethylene dibromide)	NA	1,2-Dibromoethane (Ethylene dibromide)	106-93-4	0.028	(2)	15	(1)
U068	Dibromomethane	NA	Dibromomethane	74-95-3	0.11	(2)	15	(1)
U069	Di-n-butyl phthalate	NA	Di-n-butyl phthalate	84-74-2	0.54	(1)	28	(1)
U070	o-Dichlorobenzene	NA	o-Dichlorobenzene	95-50-1	0.088	(2)	6.2	(1)
U071	m-Dichlorobenzene	NA	m-Dichlorobenzene	541-73-1	0.036		6.2	(1)
U072	p-Dichlorobenzene	NA	p-Dichlorobenzene	104-46-7	0.090	(2)	6.2	(1)
U075	Dichlorodifluoromethane	NA	Dichlorodifluoromethane	75-71-8	0.23	(2)	7.2	(1)
U076	1,1-Dichloroethane	NA	1,1-Dichloroethane	75-34-3	0.059	(2)	7.2	(1)
U077	1,2-Dichloroethane	NA	1,2-Dichloroethane	107-06-2	0.21	(2)	7.2	(1)
U078	1,1-Dichloroethylene	NA	1,1-Dichloroethylene	75-35-4	0.025	(2)	33	(1)
U079	1,2-Dichloroethylene	NA	trans-1,2-Dichloroethylene	156-60-5	0.054	(2)	33	(1)
U080	Methylene chloride	NA	Methylene chloride	75-09-2	0.089	(2)	33	(1)
U081	2,4-Dichlorophenol	NA	2,4-Dichlorophenol	120-83-2	0.044	(2)	14	(1)
U082	2,6-Dichlorophenol	NA	2,6-Dichlorophenol	87-65-0	0.044	(2)	14	(1)
U083	1,2-Dichloropropane	NA	1,2-Dichloropropane	78-87-5	0.85	(2)	18	(1)
U084	1,3-Dichloropropene	NA	cis-1,3-Dichloropropylene	10061-01-5	0.036	(2)	18	(1)
U088	Diethyl phthalate	NA	trans-1,3-Dichloropropylene	10061-02-6	0.036	(2)	18	(1)
U093	p-Dimethylaminoazobenzene	Table 2 in s. NR 675.22	Diethyl phthalate	84-66-2	0.54	(2)	28	(1)
U101	2,4-Dimethylphenol	NA	p-Dimethylaminoazobenzene	60-11-7	0.13	(2)	NA	
U102	Dimethyl phthalate	NA	2,4-Dimethylphenol	105-67-9	0.036	(2)	14	(1)
U105	2,4-Dinitrotoluene	NA	Dimethyl phthalate	131-11-3	0.54	(1)	28	(1)
U106	2,6-Dinitrotoluene	NA	2,4-Dinitrotoluene	121-14-2	0.32	(2)	140	(1)
U107	Di-n-octyl phthalate	NA	2,6-Dinitrotoluene	606-20-2	0.55	(2)	28	(1)
			Di-n-octyl phthalate	117-84-0	0.54	(1)	28	(1)

U108	1,4-Dioxane	NA	1,4-Dioxane	123-91-1	0.12	(2)	170	(1)
U111	Di-n-propylnitrosoamine	NA	Di-n-propylnitrosoamine	621-64-7	0.40	(2)	14	(1)
U112	Ethyl acetate	NA	Ethyl acetate	141-78-6	0.34	(2)	33	(1)
U117	Ethyl ether	NA	Ethyl ether	60-29-7	0.12	(2)	160	(1)
U118	Ethyl methacrylate	NA	Ethyl methacrylate	97-63-2	0.14	(2)	160	(1)
U120	Fluoranthene	NA	Fluoranthene	206-44-0	0.068	(2)	8.2	(1)
U121	Trichloromonofluoromethane	NA	Trichloromonofluoromethane	75-69-4	0.020	(2)	33	(1)
U127	Hexachlorobenzene	NA	Hexachlorobenzene	118-74-1	0.055	(2)	37	(1)
U128	Hexachlorobutadiene	NA	Hexachlorobutadiene	87-68-3	0.055	(2)	28	(1)
U129	Lindane	NA	alpha-BHC	319-84-6	0.00014	(2)	0.66	(1)
			beta-BHC	319-85-7	0.00014	(2)	0.66	(1)
			Delta-BHC	319-86-8	0.023	(2)	0.66	(1)
			gamma-BHC (Lindane)	58-89-9	0.0017	(2)	0.66	(1)
U130	Hexachlorocyclopentadiene	NA	Hexachlorocyclopentadiene	77-47-7	0.057	(2)	3.6	(1)
U131	Hexachloroethane	NA	Hexachloroethane	67-72-1	0.055	(2)	28	(1)
U134	Hydrogen fluoride	Table 2 in s. NR 675.22	Fluoride	16964-48-8	35		NA	
U136	Cacodylic acid	Table CCWE in s. NR 675.21	Arsenic	7440-38-2	0.79		NA	
U137	Indeno(1,2,3-c,d) pyrene	NA	Indeno(1,2,3-c,d) pyrene	193-39-5	0.0055	(2)	8.2	(1)
U138	Iodomethane	NA	Iodomethane	74-88-4	0.19	(2)	65	(1)
U140	Isobutyl alcohol	NA	Isobutyl alcohol	78-83-1	5.6		170	(1)
U141	Isosafrole	NA	Isosafrole	120-58-1	0.081		2.6	(1)
U142	Kepone	NA	Kepone	143-50-8	0.0011		0.13	(1)
U144	Lead acetate	Table CCWE in s. NR 675.21	Lead	7439-92-1	0.040		NA	
U145	Lead phosphate	Table CCWE in s. NR 675.21	Lead	7439-92-1	0.040		NA	
U146	Lead subacetate	Table CCWE in s. NR 675.21	Lead	7439-92-1	0.040		NA	
U151	Mercury	Table CCWE in s. NR 675.21 and Table 2 in s. NR 675.22	Mercury	7439-97-6	0.030		NA	
U152	Methacrylonitrile	NA	Methacrylonitrile	126-98-7	0.24	(2)	84	(1)
U154	Methanol	Table 2 in s. NR 675.22	Methanol	67-56-1	5.6		NA	
U155	Methapyrilene	NA	Methapyrilene	91-80-5	0.081		1.5	(1)
U157	3-Methylcholanthrene	NA	3-Methylcholanthrene	56-49-5	0.0055	(2)	15	(1)
U158	4,4'-Methylenebis(2-chloroaniline)	NA	4,4'-Methylenebis(2-chloroaniline)	101-14-4	0.50	(2)	35	(1)
U159	Methyl ethyl ketone	NA	Methyl ethyl ketone	78-93-3	0.28		36	(1)
U161	Methyl isobutyl ketone	NA	Methyl isobutyl ketone	108-10-1	0.14		33	(1)
U162	Methyl methacrylate	NA	Methyl methacrylate	80-62-6	0.14		160	(1)
U165	Naphthalene	NA	Naphthalene	91-20-3	0.059	(2)	3.1	(1)
U168	2-Naphthylamine	Table 2 in s. NR 675.22	2-Naphthylamine	91-59-8	0.52	(2)	NA	
U169	Nitrobenzene	NA	Nitrobenzene	98-95-3	0.068	(2)	14	(1)
U170	4-Nitrophenol	NA	4-Nitrophenol	100-02-7	0.12	(2)	29	(1)

U172	N-Nitrosodi-n-butylamine	NA	N-Nitrosodi-n-butylamine	924-16-3	0.40	(2)	17	(1)
U174	N-Nitrosodiethylamine	NA	N-Nitrosodiethylamine	55-18-5	0.40	(2)	28	(1)
U179	N-Nitrosopiperidine	NA	N-Nitrosopiperidine	100-75-4	0.013	(2)	35	(1)
U180	N-Nitrosopyrrolidine	NA	N-Nitrosopyrrolidine	930-55-2	0.013	(2)	35	(1)
U181	5-Nitro-o-toluidine	NA	5-Nitro-o-toluidine	99-55-8	0.32	(2)	28	(1)
U183	Pentachlorobenzene	NA	Pentachlorobenzene	608-93-5	0.055	(2)	37	(1)
U185	Pentachloronitrobenzene	NA	Pentachloronitrobenzene	82-68-8	0.055	(2)	4.8	(1)
U187	Phenacetin	NA	Phenacetin	62-44-2	0.081		16	(1)
U188	Phenol	NA	Phenol	108-95-2	0.039		6.2	(1)
U190	Phthalic anhydride (measured as Phthalic acid)	NA	Phthalic anhydride (measured as Phthalic acid)	85-44-9	0.54	(1)	28	(1)
U192	Pronamide	NA	Pronamide	23950-58-5	0.093		1.5	(1)
U196	Pyridine	NA	Pyridine	110-86-1	0.014	(2)	16	(1)
U203	Safrole	NA	Safrole	94-59-7	0.081		22	(1)
U204	Selenium dioxide	Table CCWE in s. NR 675.21	Selenium	7782-49-2	1.0		NA	
U205	Selenium sulfide	Table CCWE in s. NR 675.21	Selenium	7782-49-2	1.0		NA	
U207	1,2,4,5-Tetrachlorobenzene	NA	1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	(2)	19	(1)
U208	1,1,1,2-Tetrachloroethane	NA	1,1,1,2-Tetrachloroethane	630-20-6	0.057		42	(1)
U209	1,1,2,2-Tetrachloroethane	NA	1,1,2,2-Tetrachloroethane	79-34-5	0.057	(2)	42	(1)
U210	Tetrachloroethylene	NA	Tetrachloroethylene	127-18-4	0.056	(2)	5.6	(1)
U211	Carbon tetrachloride	NA	Carbon tetrachloride	56-23-5	0.057	(2)	5.6	(1)
U214	Thallium(I)acetate	Table 2 in s. NR 675.22	Thallium	7440-28-0	0.14	(2)	NA	
U215	Thallium(I) carbonate	Table 2 in s. NR 675.22	Thallium	7440-28-0	0.14	(2)	NA	
U216	Thallium(I)chloride	Table 2 in s. NR 675.22	Thallium	7440-28-0	0.14	(2)	NA	
U217	Thallium(I)nitrate	Table 2 in s. NR 675.22	Thallium	7440-28-0	0.14	(2)	NA	
U220	Toluene	NA	Toluene	108-88-3	0.080	(2)	28	(1)
U225	Tribromomethane (Bromoform)	NA	Tribromomethane (Bromoform)	75-25-2	0.63	(2)	15	(1)
U226	1,1,1-Trichloroethane	NA	1,1,1-Trichloroethane	71-55-6	0.054	(2)	5.6	(1)
U227	1,1,2-Trichloroethane	NA	1,1,2-Trichloroethane	79-00-5	0.054	(2)	5.6	(1)
U228	Trichloroethylene	NA	Trichloroethylene	79-01-6	0.054	(2)	5.6	(1)
U235	tris-(2,3-Dibromopropyl) phosphate	NA	tris-(2,3-Dibromopropyl) phosphate	126-72-7	0.025		0.10	(1)
U239	Xylenes	NA	Xylenes		0.32	(2)	28	(1)
U240	2,4-Dichlorophenoxyacetic acid	NA	2,4-Dichlorophenoxyacetic acid	94-75-7	0.72		10	(1)
U243	Hexachloropropene	NA	Hexachloropropene	1888-71-7	0.035	(2)	28	
U247	Methoxychlor	NA	Methoxychlor	72-43-5	0.25	(2)	0.18	(1)

¹Treatment standards for this organic constituent were established based upon incineration in units operated in accordance with the technical requirements of ch. NR 665, or based upon combustion in fuel substitution units operating in accordance with applicable technical requirements. A facility may certify compliance with these treatment standards according to provisions in s. NR 675.07.

²Based on analysis of composite samples.

³As analyzed using SW-846 Method 9010 or 9012; sample size 10 gram; distillation time: one hour and fifteen minutes.

⁴Revised.

Note: NA means Not Applicable.

SECTION 116. NR 675.23(3) is created to read:

NR 675.23(3) Notwithstanding the prohibitions specified in sub. (1), owners or operators of treatment and disposal facilities may demonstrate, and certify pursuant to s. NR 675.07(2)(e), compliance with the treatment standards for organic constituents specified by footnote 1 in table GCW provided the following conditions are met:

(a) The treatment standards for the organic constituents were established based on incineration in units operated in accordance with the technical requirements of ch. NR 665, or based on combustion in fuel substitution units operating in accordance with applicable technical requirements;

(b) The treatment or disposal facility has used the methods referenced in par. (a) to treat the organic constituents; and

(c) The treatment or disposal facility has been unable to detect the organic constituents despite using its best good-faith efforts as defined by applicable department guidance or standards. Until guidance or standards are developed, the treatment or disposal facility may demonstrate good-faith efforts by achieving detection limits for the regulated organic constituents that do not exceed an order of magnitude of the treatment standard specified in this section.

SECTION 117. NR 675.24(1) is amended to read:

NR 675.24 VARIANCE FROM A TREATMENT STANDARD. (1)(a) Where the treatment standard is expressed as a concentration in a waste or waste extract and a waste cannot be treated to the specified level, or where the treatment

technology is not appropriate to the waste, the generator of treatment facility may petition EPA for a variance from the treatment standard under 40 CFR 268.44 ~~as of July 1, 1989~~ July 1, 1990. The petitioner shall demonstrate that because the physical or chemical properties of the waste differ significantly from wastes analyzed in developing the treatment standard, the waste cannot be treated to specified levels or by the specified methods.

(b) If EPA denies the petition for a variance under 40 CFR 268.44 ~~as of July 1, 1989~~ July 1, 1990, the department shall recognize that denial.

(c) Generators or owners or operators of treatment facilities who have had their petitions for a variance approved by EPA under 40 CFR 268.44 ~~as of July 1, 1989~~ July 1, 1990, shall continue to treat their wastes in compliance with ss. NR 675.20 to 675.23 unless and until the department recognizes EPA's variance. Generators or owners or operators of treatment facilities may petition the department to recognize an EPA variance by submitting the following to the department:

1. Copies of all materials and information submitted to EPA concerning the variance under 40 CFR 268.44 ~~as of July 1, 1989~~ July 1, 1990;
2. Copies of all material and information received from EPA, including the EPA notice of approval, concerning the variance under 40 CFR 268.44 ~~as of July 1, 1989~~ July 1, 1990; and
3. All other information that the department determines is necessary to evaluate the request for a variance.

(d) When determining whether to recognize an EPA granted variance under 40 CFR 268.44 ~~as of July 1, 1989~~ July 1, 1990, the department shall:

1. Consider all available information including, but not limited to, the information submitted by the applicant to EPA; and

2. Apply the same criteria as applied by EPA under 40 CFR 268.44 ~~as of July 1, 1989~~ July 1, 1990.

(e) The department shall recognize an EPA granted variance unless the department clearly establishes that the variance would threaten human health and the environment.

Note: The publication containing ~~these regulations~~ the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The publications containing these regulations are available for inspection at the offices of the department, the secretary of state and revisor of statutes.~~

SECTION 118. NR 675.30(1)(intro.)(note), (4)(note), (5) and (6) are amended to read:

NR 675.30(1)(intro.)(note) Note: The publication containing title 42 of the ~~united states~~ United States code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The publications containing these regulations are available for inspection at the offices of the department, the secretary of state and revisor of statutes.~~

(4)(note) Note: Examples of exemptions from the prohibition against the type of land disposal include a case-by-case extension granted under s. NR 675.05(1), an approved petition granted under 40 CFR 268.6 ~~as of July 1, 1988~~ July 1, 1990, or a national capacity variance granted under 40 CFR 268 Subpart C July 1, 1990.

(5) The prohibition in sub. (1) does not apply to hazardous wastes that meet the treatment standards specified under ss. NR 675.21 to 675.23, or the treatment standards specified under the variance in s. NR 675.24, or where treatment standards have not been specified is in compliance with the

applicable prohibitions in ss. NR ~~675.10 to 675.14~~, 675.11 to 675.16, or 42 USC 6924(d).

Note: The publication containing title 42 of the ~~united states~~ United States code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

(6) Liquid hazardous wastes containing polychlorinated biphenyls (PCBs) at concentrations greater than or equal to 50 ppm shall be stored at a facility that meets the requirements of ch. NR 157 and shall be removed from storage and treated or disposed as required by this chapter within one year of the date when the wastes are first placed into storage. The provisions of sub. (3) do not apply to the PCB wastes prohibited under s. NR ~~675.12~~ 675.13.

SECTION 119. NR 675 Appendix I is repealed.

SECTION 120. NR 675 Appendix II is renumbered NR 675 Appendix I.

SECTION 121. NR 675 Appendix III is renumbered NR 675 Appendix II and amended to read:

NR 675 Appendix II - LIST OF HALOGENATED ORGANIC COMPOUNDS

In determining the concentration of HOCs in a hazardous waste for purposes of the California List land disposal prohibition, the following HOCs shall be included in the calculation as any compounds having a carbon-halogen bond which are listed in this Appendix. Appendix ~~III~~ II consists of the following compounds:

Volatiles

Bromodichloromethane
Bromomethane
Carbon Tetrachloride

Chlorobenzene
2-Chloro-1,3-butadiene
Chlorodibromomethane
Chloroethane
2-Chloroethyl vinyl ether
Chloroform

Chloromethane
 3-Chloropropene
 1,2-Dibromo-3-chloropropane
 1,2-Dibromomethane
 Dibromomethane
 Trans-1,4-Dichloro-2-butene
 Dichlorodifluoromethane
 1,1-Dichloroethane
 1,2-Dichloroethane
 1,1-Dichloroethylene
 Trans-1,2-Dichloroethene
 1,2-Dichloropropane
 Trans-1,3-Dichloropropene
 cis-1,3-Dichloropropene
 Iodomethane
 Methylene chloride
 1,1,1,2-Tetrachloroethane
 1,1,2,2-Tetrachloroethane
 Tetrachloroethene
 Tribromomethane
 1,1,1-Trichloroethane
 1,1,2-Trichloroethane
 Trichloroethene
 Trichloromonofluoromethane
 1,2,3-Trichloropropane
 Vinyl chloride

Semivolatiles

Bis(2-chloroethoxy)ethane
 Bis(2-chloroethyl)ether
 Bis(2-chloroisopropyl) ether
 p-Chloroaniline
 Chlorobenzilate
 p-Chloro-m-cresol
 2-Chloronaphthalene
 2-Chlorophenol
 3-Chloropropionitrile
 m-Dichlorobenzene
 o-Dichlorobenzene
 p-Dichlorobenzene
 3,3'-Dichlorobenzidine
 2,4-Dichlorophenol
 2,6-Dichlorophenol
 Hexachlorobenzene
 Hexachlorobutadiene
 Hexachlorocyclopentadiene
 Hexachloroethane
 Hexachloropropene
 Hexachloropropene
 4,4'-Methylenebis(2-chloroaniline)

Pentachlorobenzene
 Pentachloroethane
 Pentachloronitrobenzene
 Pentachlorophenol
 Pronamide
 1,2,4,5-Tetrachlorobenzene
 2,3,4,6-Tetrachlorophenol
 1,2,4-Trichlorobenzene
 2,4,5-Trichlorophenol
 2,4,6-Trichlorophenol
 Tris(2,3-dibromopropyl)phosphate

Organochlorine Pesticides

Aldrin
 alpha-BHC
 beta-BHC
 delta-BHC
 gamma-BHC
 Chlordane
 DDD
 DDE
 DDT
 Dieldrin ~~Endosulfan I~~
Endosulfan I
 Endosulfan II
 Endrin
 Endrin aldehyde
 Heptachlor
 Heptachlor epoxide
 Isodrin
 Kepone
 Methoxychlor
 Toxaphene

Phenoxyacetic Acid Herbicides

2,4-Dichlorophenoxyacetic acid
 Silvex 2,4,5-T

PCBs

Aroclor 1016
 Aroclor 1221
 Aroclor 1232
 Aroclor 1242
 Aroclor 1248
 Aroclor 1254
 Aroclor 1260
 PCBs not otherwise specified

Dioxins and Furans

Hexachlorodibenzo-p-dioxins
 Hexachlorodibenzofuran
 Pentachlorodibenzo-p-dioxins
 Pentachlorodibenzofuran
 Tetrachlorodibenzo-p-dioxins
 Tetrachlorodibenzofuran
 2,3,7,8-Tetrachlorodibenzo-p-dioxin

SECTION 122. NR 675 Appendix III is created to read:

NR 675 Appendix III ORGANOMETALLIC LAB PACKS

Hazardous waste with the following EPA hazardous waste code numbers may be placed in an "organometallic" lab pack:

P001, P002, P003, P004, P005, P006, P007, P008, P009, P013, P014, P015, P016,
 P017, P018, P020, P021, P022, P023, P024, P026, P027, P028, P029, P030, P031,
 P033, P034, P036, P037, P038, P039, P040, P041, P042, P043, P044, P045, P046,
 P047, P048, P049, P050, P051, P054, P056, P057, P058, P059, P060, P062, P063,
 P064, P065, P066, P067, P068, P069, P070, P071, P072, P073, P074, P075, P077,
 P081, P082, P084, P085, P087, P088, P089, P092, P093, P094, P095, P096, P097,
 P098, P099, P101, P102, P103, P104, P105, P106, P108, P109, P110, P111, P112,
 P113, P114, P115, P116, P118, P119, P120, P121, P122, P123

U001, U002, U003, U004, U005, U006, U007, U008, U009, U010, U011, U012, U014,
 U015, U016, U017, U018, U019, U020, U021, U022, U023, U024, U025, U026, U027,
 U028, U029, U030, U031, U032, U033, U034, U035, U036, U037, U038, U039, U041,
 U042, U043, U044, U045, U046, U047, U048, U049, U050, U051, U052, U053, U055,
 U056, U057, U058, U059, U060, U061, U062, U063, U064, U066, U067, U068, U069,
 U070, U071, U072, U073, U074, U075, U076, U077, U078, U079, U080, U081, U082,
 U083, U084, U085, U086, U087, U088, U089, U090, U091, U092, U093, U094, U095,
 U096, U097, U098, U099, U101, U102, U103, U105, U106, U107, U108, U109, U110,
 U111, U112, U113, U114, U115, U116, U117, U118, U119, U120, U121, U122, U123,
 U124, U125, U126, U127, U128, U129, U130, U131, U132, U133, U134, U135, U136,
 U137, U138, U140, U141, U142, U143, U144, U145, U146, U147, U148, U149, U150,
 U152, U153, U154, U155, U156, U157, U158, U159, U160, U161, U162, U163, U164,
 U165, U166, U167, U168, U169, U170, U171, U172, U173, U174, U176, U177, U178,
 U179, U180, U181, U182, U183, U184, U185, U186, U187, U188, U189, U190, U191,
 U192, U193, U194, U196, U197, U200, U201, U202, U203, U204, U205, U206, U207,
 U208, U209, U210, U211, U213, U214, U215, U216, U217, U218, U219, U220, U221,
 U222, U223, U225, U226, U227, U228, U234, U235, U236, U237, U238, U239, U240,
 U243, U244, U246, U247, U248, U249

F001, F002, F003, F004, F005, F006, F010, F020, F021, F022, F023, F024, F025,
 F026, F027, F028, F039

K001, K002, K008, K009, K010, K011, K013, K014, K015, K016, K017, K018, K019,

K020, K021, K022, K023, K024, K025, K026, K027, K028, K029, K030, K031, K032, K033, K034, K035, K036, K037, K038, K039, K040, K041, K042, K043, K044, K045, K046, K047, K048, K049, K050, K051, K052, K060, K061, K069, K071, K073, K083, K084, K085, K086, K087, K093, K094, K095, K096, K097, K098, K099, K101, K102, K103, K104, K105, K113, K114, K115, K116

D001, D002, D003, D004, D005, D006, D007, D008, D010, D011, D012, D013, D014, D015, D016, D017

SECTION 123. NR 675 Appendix IV is created to read:

NR 675 Appendix IV ORGANIC LAB PACKS

Hazardous wastes with the following EPA hazardous waste code number may be placed in an "organic" lab pack:

P001, P002, P003, P004, P005, P007, P008, P009, P014, P016, P017, P018, P020, P021, P022, P023, P024, P026, P027, P028, P030, P031, P033, P034, P037, P039, P040, P041, P042, P043, P044, P045, P046, P047, P048, P049, P050, P051, P054, P057, P058, P059, P060, P062, P063, P064, P066, P067, P068, P069, P070, P071, P072, P075, P077, P081, P082, P084, P085, P088, P089, P093, P094, P095, P097, P098, P101, P102, P105, P106, P108, P109, P111, P112, P116, P118, P123

U001, U002, U003, U004, U005, U006, U007, U008, U009, U010, U011, U012, U014, U015, U016, U017, U018, U019, U020, U021, U022, U023, U024, U025, U026, U027, U028, U029, U030, U031, U033, U034, U035, U036, U037, U038, U039, U041, U042, U043, U044, U045, U046, U047, U048, U049, U050, U052, U053, U055, U056, U057, U058, U059, U060, U061, U062, U063, U064, U066, U067, U068, U069, U070, U071, U072, U073, U074, U075, U076, U077, U078, U079, U080, U081, U082, U083, U084, U085, U086, U087, U088, U089, U090, U091, U092, U093, U094, U095, U096, U097, U098, U099, U101, U102, U103, U105, U106, U107, U108, U109, U110, U111, U112, U113, U114, U115, U116, U117, U118, U119, U120, U121, U122, U123, U124, U125, U126, U127, U128, U129, U130, U131, U132, U133, U135, U137, U138, U140, U141, U142, U143, U147, U148, U149, U150, U152, U153, U154, U155, U156, U157, U158, U159, U160, U161, U162, U163, U164, U165, U166, U167, U168, U169, U170, U171, U172, U173, U174, U176, U177, U178, U179, U180, U181, U182, U183, U184, U185, U186, U187, U188, U189, U190, U191, U192, U193, U194, U196, U197, U200, U201, U202, U203, U206, U207, U208, U209, U210, U211, U213, U218, U219, U220, U221, U222, U223, U225, U226, U227, U228, U234, U235, U236, U237, U238, U239, U240, U243, U244, U246, U247, U248, U249

F001, F002, F003, F004, F005, F010, F020, F021, F022, F023, F025, F026, F027, F028

K009, K010, K011, K013, K014, K016, K017, K018, K019, K020, K023, K024, K025, K026, K027, K029, K030, K032, K033, K034, K035, K036, K037, K038, K039, K040, K041, K042, K043, K044, K045, K047, K060, K073, K085, K093, K094, K095, K096, K097, K098, K099, K103, K104, K105, K113, K114, K116

D001, D012, D013, D014, D015, D016, D017

SECTION 124. NR 675 Appendix V is created to read:

NR 675 Appendix V RECOMMENDED TECHNOLOGIES TO ACHIEVE DEACTIVATION OF CHARACTERISTICS IN SECTION S. NR 675.22

The treatment standard for many subcategories of D001, D002 and D003 wastes as well as for K044, K045 and K047 wastes is listed in s. NR 675.22 simply as "deactivation to remove the characteristics of ignitability, corrosivity, and reactivity". EPA has determined that many technologies, when used alone or in combination, can achieve this standard. The following Appendix presents a partial list of these technologies, utilizing the 5 letter technology codes established in s. NR 675.22 table 1. Use of these specific technologies is not mandatory and does not preclude direct reuse, recovery, and/or the use of other pretreatment technologies provided deactivation is achieved and these alternative methods are not performed in units designated as land disposal.

Waste code/subcategory	Nonwastewaters	Wastewaters
D001 Ignitable Liquids based on s. NR 605.08(2)(a)1. -- Low TOC Nonwastewater Subcategory (containing 1% to <10% TOC)	RORGS INCIN WETOX CHOXD BIOOG	n.a.
D001 Ignitable Liquids based on s. NR 605.08(2)(a)1. -- Ignitable Wastewater Subcategory (containing <1% TOC)	n.a.	RORGS INCIN WETOX CHOXD BIOOG
D001 Compressed Gases based on s. NR 605.08(2)(a)1.	RCGAS INCIN FSUBS ADGAS fb. INCIN ADGAS fb. (CHOXD; or CHRED)	n.a.
D001 Ignitable Reactives based on s. NR 605.08(2)(a)2.	WTRRX CHOXD CHRED STABL INCIN	n.a.
D001 Ignitable Oxidizers based on s./ NR 605.08(2)(a)4.	CHRED INCIN	CHRED INCIN
D002 Acid Subcategory based on s. NR 605.08(2)(a)1. with pH less than or equal to 2	RCORR NEUTR INCIN	NEUTR INCIN

D002 Alkaline Subcategory based on s. NR 605.08(2)(a)1. with pH greater than or equal to 12.5	NEUTR INCIN	NEUTR INCIN
D002 Other Corrosives based on s. NR 605.08(2)(a)2.	CHOXD CHRED INCIN STABL	CHOXD CHRED INCIN
D003 Water Reactives based on s. NR 605.08(2)(a)2., 3. and 4.	INCIN WTRRX CHOXD CHRED	n.a.
D003 Reactive Sulfides based on s. NR 605.08(4)(a)5.	CHOXD CHRED INCIN STABL	CHOXD CHRED BIOG INCIN
D003 Explosives based on s. NR 605.08(4)(a)6., 7. and 8.	INCIN CHOXD CHRED	INCIN CHOXD CHRED BIOG CARBN
D003 Other Reactives based on s. NR 605.08(4)(a)1.	INCIN CHOXD CHRED	INCIN CHOXD CHRED BIOG CARBN
K044 Wastewater treatment sludges from the manufacturing and processing of explosives	CHOXD CHRED INCIN	CHOXD CHRED BIOG CARBN INCIN
K045 Spent carbon from the treatment of wastewaters containing explosives	CHOXD CHRED INCIN	CHOXD CHRED BIOG CARBN INCIN
K047 Pink/red water from TNT operations	CHOXD CHRED INCIN	CHOXD CHRED BIOG CARBN INCIN

FOOTNOTE: Note: "n.a." stands for "not applicable"; "fb." stands for "followed by".

SECTION 125. NR 675 Appendix VI is created to read:

NR 675 Appendix VI EFFECTIVE DATES OF SURFACE DISPOSED WASTES REGULATED IN THE LDRS

[Comprehensive List]

Waste code	Waste category	Effective date
California list	Liquid hazardous wastes, including free liquids associated with solid or sludge, containing free cyanides at concentrations greater than or equal to 1,000 mg/l or certain metals or compounds of these metals greater than or equal to the prohibition levels	July 8, 1987.
California list	Liquid (aqueous) hazardous wastes having a pH less than or equal to 2	July 8, 1987.
California list	Dilute HOC wastewaters, defined as HOC-waste mixtures that are primarily water and that contain greater than or equal to 1,000 mg/l but less than 10,000 mg/l	July 8, 1987.
California list	Liquid hazardous waste containing PCBs greater than or equal to 50 ppm	July 8, 1987.
California list	Other liquid and non-liquid hazardous wastes containing HOCs in total concentration greater than or equal to 1,000 mg	Nov. 8, 1988.
California list	Soil and debris HOCs not from CERCLA/RCRA corrective actions	July 8, 1989.
California list	Soil and debris HOCs from CERCLA/RCRA corrective actions	Nov. 8, 1990.
D001	All	Aug. 8, 1990.
D002	All	Aug. 8, 1990.
D003	All	Aug. 8, 1990.
D004	Inorganic solid debris	May 8, 1992.
D004	Nonwastewater	May 8, 1992.
D004	Wastewater	Aug. 8, 1990.
D005	Inorganic solid debris	May 8, 1992.
D005	All others	Aug. 8, 1990.
D006	Inorganic solid debris	May 8, 1992.
D006	All others	Aug. 8, 1990.
D007	Inorganic solid debris	May 8, 1992.
D007	All others	Aug. 8, 1990.
D008	Inorganic solid debris	May 8, 1992.
D008	Lead acid batteries	May 8, 1992.
D008	All others	Aug. 8, 1990.
D009	Inorganic solid debris	May 8, 1992.
D009	High mercury nonwastewater	May 8, 1992.
D009	Low mercury nonwastewater	May 8, 1992.
D009	All others	Aug. 8, 1990.
D010	Inorganic solid debris	May 8, 1992.
D010	All others	Aug. 8, 1990.
D011	Inorganic solid debris	May 8, 1992.
D011	All others	Aug. 8, 1990.

D012	All	Aug. 8, 1990.
D013	All	Aug. 8, 1990.
D0014	All	Aug. 8, 1990.
D0015	All	Aug. 8, 1990.
D0016	All	Aug. 8, 1990.
D0017	All	Aug. 8, 1990.
F001-F005	All, except:	Nov. 8, 1986.
F001-F005	Small quantity generators, CERCLA/RCRA corrective action, initial generator's solvent-water mixtures, solvent-containing sludges and solids, and non CERCLA/RCRA corrective action soils with less than 1 percent total solvent constituents	Nov. 8, 1988.
F001-F005	Soil and debris	Nov. 8, 1990.
F002 ^b	All	Aug. 8, 1990.
F005 ^c	All	Aug. 8, 1990.
F006	Wastewater	Aug. 8, 1990.
F006	Nonwastewater	Aug. 8, 1988.
F006 (cyanides)	Nonwastewater	July 8, 1989.
F007	All	July 8, 1989.
F008	All	July 8, 1989.
F009	All	July 8, 1989.
F010	Soil and debris	June 8, 1991.
F010	All others	June 8, 1989.
F011	All	July 8, 1989.
F012	All	July 8, 1989.
F019	All	Aug. 8, 1990.
F020	Soil and debris	Nov. 8, 1990.
F020	All others	Nov. 8, 1988.
F021	Soil and debris	Nov. 8, 1990.
F021	All others	Nov. 8, 1988.
F022	Soil and debris	Nov. 8, 1990.
F022	All others	Nov. 8, 1988.
F023	Soil and debris	Nov. 8, 1990.
F023	All others	Nov. 8, 1988.
F024	Soil and debris	June 8, 1991.
F024 (metals)	Nonwastewater	Aug. 8, 1990.
F024 (dioxins/furans)	All	Aug. 8, 1990.
F024	All others	June 8, 1989.
F025	All	Aug. 8, 1990.
F026	Soil and debris	Nov. 8, 1990.
F026	All others	Nov. 8, 1988.
F027	Soil and debris	Nov. 8, 1990.
F027	All others	Nov. 8, 1988.
F028	Soil and debris	Nov. 8, 1990.
F028	All others	Nov. 8, 1988.
F039	Wastewater	Aug. 8, 1990.
F039	Nonwastewater	May. 8, 1992.
K001	Soil and debris	Aug. 8, 1990.
K001 (lead/organics)	All	Aug. 8, 1990.
K001	All others	Aug. 8, 1988.
K002	All	Aug. 8, 1990.
K003	All	Aug. 8, 1990.
K004	All	Aug. 8, 1990.
K005 ^d	All	Aug. 8, 1990.
K006	All	Aug. 8, 1990.
K007 ^d	All	Aug. 8, 1990.

K008	All	Aug. 8, 1990.
K009	Soil and debris	June 8, 1991.
K009	All others	June 8, 1989.
K010	Soil and debris	June 8, 1991.
K010	All others	June 8, 1989.
K011	Wastewater	Aug. 8, 1990.
K011	Nonwastewater	June 8, 1989.
K011	Soil and debris	June 8, 1991.
K013	Wastewater	Aug. 8, 1990.
K013	Nonwastewater	June 8, 1989.
K013	Soil and debris	June 8, 1991.
K014	Wastewater	Aug. 8, 1990.
K014	Nonwastewater	June 8, 1989.
K014	Soil and debris	June 8, 1991.
K015	Wastewater	Aug. 8, 1988.
K015	Nonwastewater	Aug. 8, 1990.
K016	Soil and debris	Aug. 8, 1990.
K016	All others	Aug. 8, 1988.
K017	All	Aug. 8, 1990.
K018	Soil and debris	Aug. 8, 1990.
K018	All others	Aug. 8, 1988.
K019	Soil and debris	Aug. 8, 1990.
K019	All others	Aug. 8, 1988.
K020	Soil and debris	Aug. 8, 1990.
K020	All others	Aug. 8, 1988.
K021 ^e	All	Aug. 8, 1990.
K022	Wastewater	Aug. 8, 1990.
K022	Nonwastewater	Aug. 8, 1988.
K022	Soil and debris	Aug. 8, 1990.
K023	Soil and debris	June 8, 1991.
K023	All others	June 8, 1989.
K024	Soil and debris	Aug. 8, 1990.
K024	All others	Aug. 8, 1988.
K025 ^e	All	Aug. 8, 1990.
K026	All	Aug. 8, 1990.
K027	Soil and debris	June 8, 1991.
K027	All others	June 8, 1989.
K028	Soil and debris	June 8, 1991.
K028 (metals)	Nonwastewater	Aug. 8, 1990.
K028	All others	June 8, 1989.
K029	Wastewater	Aug. 8, 1990.
K029	Nonwastewater	June 8, 1989.
K029	Soil and debris	June 8, 1991.
K030	Soil and debris	Aug. 8, 1990.
K030	All others	Aug. 8, 1988.
K031	Wastewater	Aug. 8, 1990.
K031	Nonwastewater	May 8, 1992.
K032	All	Aug. 8, 1990.
K033	All	Aug. 8, 1990.
K034	All	Aug. 8, 1990.
K035	All	Aug. 8, 1990.
K036 ^e	All	Aug. 8, 1990.
K037	Soil and debris	Aug. 8, 1990.
K037	Wastewater	Aug. 8, 1990.
K037	All others	Aug. 8, 1988.
K038	Soil and debris	June 8, 1991.
K038	All others	June 8, 1989.
K039	Soil and debris	June 8, 1991.
K039	All others	June 8, 1989.
K040	Soil and debris	June 8, 1991.
K040	All others	June 8, 1989.
K041	All	Aug. 8, 1990.
K042	All	Aug. 8, 1990.

K043	Soil and debris	June 8, 1991.
K043	All others	June 8, 1989.
K044	All	Aug. 8, 1990.
K045	All	Aug. 8, 1990.
K046	Nonreactive nonwastewater	Aug. 8, 1988.
K046	All others	Aug. 8, 1990.
K047	All	Aug. 8, 1990.
K048	Wastewater	Aug. 8, 1990.
K048	Nonwastewater	Nov. 8, 1990.
K049	Wastewater	Aug. 8, 1990.
K049	Nonwastewater	Nov. 8, 1990.
K050	Wastewater	Aug. 8, 1990.
K050	Nonwastewater	Nov. 8, 1990.
K051	Wastewater	Aug. 8, 1990.
K051	Nonwastewater	Nov. 8, 1990.
K052	Wastewater	Aug. 8, 1990.
K052	Nonwastewater	Nov. 8, 1990.
K060	All	Aug. 8, 1990.
K061	Wastewater	Aug. 8, 1990.
K061	Nonwastewater	Aug. 8, 1988.
K062	All	Aug. 8, 1988.
K069	All	Aug. 8, 1990.
K073	All	Aug. 8, 1990.
K083	All	Aug. 8, 1990.
K084	Wastewater	Aug. 8, 1990.
K084	Nonwastewater	May 8, 1992.
K085	All	Aug. 8, 1990.
K086	All	Aug. 8, 1990.
K087	Soil and debris	Aug. 8, 1990.
K087	All others	Aug. 8, 1988.
K093	Soil and debris	June 8, 1991.
K093	All others	June 8, 1989.
K094	Soil and debris	June 8, 1991.
K094	All others	June 8, 1989.
K095	Wastewater	Aug. 8, 1990.
K095	Nonwastewater	June 8, 1989.
K095	Soil and debris	June 8, 1991.
K096	Wastewater	Aug. 8, 1990.
K096	Nonwastewater	June 8, 1989.
K096	Soil and debris	June 8, 1991.
K097	All	Aug. 8, 1990.
K098	All	Aug. 8, 1990.
K099	All	Aug. 8, 1988.
K100	All	Aug. 8, 1990.
K101	Wastewater	Aug. 8, 1988.
K101	Nonwastewater	May 8, 1992.
K102	Wastewater	Aug. 8, 1988.
K102	Nonwastewater	May 8, 1992.
K103	Soil and debris	Aug. 8, 1990.
K103	All others	Aug. 8, 1988.
K104	Soil and debris	Aug. 8, 1990.
K104	All others	Aug. 8, 1988.
K105	All	Aug. 8, 1990.
K106	High mercury nonwastewater	May 8, 1992.
K106	Low mercury nonwastewater	May 8, 1992.
K106	All others	Aug. 8, 1990.
K113	Soil and debris	June 8, 1991.
K113	All others	June 8, 1989.
K114	Soil and debris	June 8, 1991.
K114	All others	June 8, 1989.
K115	Soil and debris	June 8, 1991.
K115	All others	June 8, 1989.
K116	Soil and debris	June 8, 1991.

K116	All others	June 8, 1989.
P001	All	Aug. 8, 1990.
P002	All	Aug. 8, 1990.
P003	All	Aug. 8, 1990.
P004	All	Aug. 8, 1990.
P005	All	Aug. 8, 1990.
P006	All	Aug. 8, 1990.
P007	All	Aug. 8, 1990.
P008	All	Aug. 8, 1990.
P009	All	Aug. 8, 1990.
P010	Wastewater	Aug. 8, 1990.
P010	Nonwastewater	May 8, 1992.
P011	Wastewater	Aug. 8, 1990.
P011	Nonwastewater	May 8, 1992.
P012	Wastewater	Aug. 8, 1990.
P012	Nonwastewater	May 8, 1992.
P013	All	Aug. 8, 1990.
P014	All	Aug. 8, 1990.
P015	All	Aug. 8, 1990.
P016	All	Aug. 8, 1990.
P017	All	Aug. 8, 1990.
P018	All	Aug. 8, 1990.
P020	All	Aug. 8, 1990.
P021	All	June 8, 1989.
P022	All	Aug. 8, 1990.
P023	All	Aug. 8, 1990.
P024	All	Aug. 8, 1990.
P026	All	Aug. 8, 1990.
P027	All	Aug. 8, 1990.
P028	All	Aug. 8, 1990.
P029	All	June 8, 1989.
P030	All	June 8, 1989.
P031	All	Aug. 8, 1990.
P033	All	Aug. 8, 1990.
P034	All	Aug. 8, 1990.
P036	Wastewater	Aug. 8, 1990.
P036	Nonwastewater	May 8, 1992.
P037	All	Aug. 8, 1990.
P038	Wastewater	Aug. 8, 1990.
P038	Nonwastewater	May 8, 1992.
P039	Soil and debris	June 8, 1991.
P039	All others	June 8, 1989.
P040	Soil and debris	June 8, 1991.
P040	All others	June 8, 1989.
P041	Soil and debris	June 8, 1991.
P041	All others	June 8, 1989.
P042	All	Aug. 8, 1990.
P043	Soil and debris	June 8, 1991.
P043	All others	June 8, 1989.
P044	Soil and debris	June 8, 1991.
P044	All others	June 8, 1989.
P045	All	Aug. 8, 1990.
P046	All	Aug. 8, 1990.
P047	All	Aug. 8, 1990.
P048	All	Aug. 8, 1990.
P049	All	Aug. 8, 1990.
P050	All	Aug. 8, 1990.
P051	All	Aug. 8, 1990.
P054	All	Aug. 8, 1990.
P056	All	Aug. 8, 1990.
P057	All	Aug. 8, 1990.
P058	All	Aug. 8, 1990.
P059	All	Aug. 8, 1990.
P060	All	Aug. 8, 1990.

P062	Soil and debris	June 8, 1991.
P062	All others	June 8, 1989.
P063	All	June 8, 1989.
P064	All	Aug. 8, 1990.
P065	High mercury nonwastewater	May 8, 1992.
P065	Low mercury nonwastewater	May 8, 1992.
P065	All others	Aug. 8, 1990.
P066	All	Aug. 8, 1990.
P067	All	Aug. 8, 1990.
P068	All	Aug. 8, 1990.
P069	All	Aug. 8, 1990.
P070	All	Aug. 8, 1990.
P071	Soil and debris	June 8, 1991.
P071	All others	June 8, 1989.
P072	All	Aug. 8, 1990.
P073	All	Aug. 8, 1990.
P074	All	June 8, 1989.
P075	All	Aug. 8, 1990.
P076	All	Aug. 8, 1990.
P077	All	Aug. 8, 1990.
P078	All	Aug. 8, 1990.
P081	All	Aug. 8, 1990.
P082	All	Aug. 8, 1990.
P084	All	Aug. 8, 1990.
P085	Soil and debris	June 8, 1991.
P085	All others	June 8, 1989.
P087	All	May 8, 1992.
P088	All	Aug. 8, 1990.
P089	Soil and debris	June 8, 1991.
P089	All others	June 8, 1989.
P092	High mercury nonwastewater	May 8, 1992.
P092	Low mercury nonwastewater	May 8, 1992.
P092	All others	Aug. 8, 1990.
P093	Soil and debris	May 8, 1992.
P093	All others	Aug. 8, 1990.
P094	Soil and debris	June 8, 1991.
P094	All others	June 8, 1989.
P095	Soil and debris	May 8, 1992.
P095	All others	Aug. 8, 1990.
P096	All	Aug. 8, 1990.
P097	Soil and debris	June 8, 1991.
P097	All others	June 8, 1989.
P098	All	June 8, 1989.
P099 (silver)	Wastewater	Aug. 8, 1990.
P099 (cyanides)	Wastewater	June 8, 1989.
P099 (cyanides/silver)	Nonwastewater	June 8, 1989.
P101	All	Aug. 8, 1990.
P102	All	Aug. 8, 1990.
P103	All	Aug. 8, 1990.
P104 (silver)	Wastewater	Aug. 8, 1990.
P104 (cyanides)	Wastewater	June 8, 1989.
P104 (cyanides/silver)	Nonwastewater	June 8, 1989.
P105	All	Aug. 8, 1990.
P106	All	June 8, 1989.
P108	Soil and debris	May 8, 1992.
P108	All others	Aug. 8, 1990.
P109	Soil and debris	June 8, 1991.
P109	All others	June 8, 1989.
P110	All	Aug. 8, 1990.
P111	Soil and debris	June 8, 1991.
P111	All others	June 8, 1989.
P112	All	Aug. 8, 1990.
P113	All	Aug. 8, 1990.
P114	All	Aug. 8, 1990.

P115	All	Aug. 8, 1990.
P116	Soil and debris	May 8, 1992.
P116	All others	Aug. 8, 1990.
P118	Soil and debris	May 8, 1992.
P118	All others	Aug. 8, 1990.
P119	All	Aug. 8, 1990.
P120	All	Aug. 8, 1990.
P121	All	June 8, 1989.
P122	All	Aug. 8, 1990.
P123	All	Aug. 8, 1990.
U001	All	Aug. 8, 1990.
U002	All	Aug. 8, 1990.
U003	Soil and debris	May 8, 1992.
U003	All others	Aug. 8, 1990.
U004	All	Aug. 8, 1990.
U005	All	Aug. 8, 1990.
U006	Soil and debris	May 8, 1992.
U006	All others	Aug. 8, 1990.
U007	Soil and debris	May 8, 1992.
U007	All others	Aug. 8, 1990.
U008	All	Aug. 8, 1990.
U009	All	Aug. 8, 1990.
U010	Soil and debris	May 8, 1992.
U010	All others	Aug. 8, 1990.
U011	Soil and debris	May 8, 1992.
U011	All others	Aug. 8, 1990.
U012	All	Aug. 8, 1990.
U014	Soil and debris	May 8, 1992.
U014	All others	Aug. 8, 1990.
U015	Soil and debris	May 8, 1992.
U015	All others	Aug. 8, 1990.
U016	All	Aug. 8, 1990.
U017	Soil and debris	May 8, 1992.
U017	All others	Aug. 8, 1990.
U018	All	Aug. 8, 1990.
U019	All	Aug. 8, 1990.
U020	Soil and debris	May 8, 1992.
U020	All others	Aug. 8, 1990.
U021	Soil and debris	May 8, 1992.
U021	All others	Aug. 8, 1990.
U022	All	Aug. 8, 1990.
U023	All	Aug. 8, 1990.
U024	All	Aug. 8, 1990.
U025	All	Aug. 8, 1990.
U026	Soil and debris	May 8, 1992.
U026	All others	Aug. 8, 1990.
U027	All	Aug. 8, 1990.
U028	Soil and debris	June 8, 1991.
U028	All others	June 8, 1989.
U029	All	Aug. 8, 1990.
U030	All	Aug. 8, 1990.
U031	All	Aug. 8, 1990.
U032	All	Aug. 8, 1990.
U033	Soil and debris	May 8, 1992.
U033	All others	Aug. 8, 1990.
U034	Soil and debris	May 8, 1992.
U034	All others	Aug. 8, 1990.
U035	Soil and debris	May 8, 1992.
U035	All others	Aug. 8, 1990.
U036	All	Aug. 8, 1990.
U037	All	Aug. 8, 1990.
U038	Soil and debris	May 8, 1992.
U038	All others	Aug. 8, 1990.
U039	All	Aug. 8, 1990.

U041	Soil and debris	May 8, 1992.
U041	All others	Aug. 8, 1990.
U042	Soil and debris	May 8, 1992.
U042	All others	Aug. 8, 1990.
U043	All	Aug. 8, 1990.
U044	All	Aug. 8, 1990.
U045	All	Aug. 8, 1990.
U046	Soil and debris	May 8, 1992.
U046	All others	Aug. 8, 1990.
U047	All	Aug. 8, 1990.
U048	All	Aug. 8, 1990.
U049	Soil and debris	May 8, 1992.
U049	All others	Aug. 8, 1990.
U050	All	Aug. 8, 1990.
U051	All	Aug. 8, 1990.
U052	All	Aug. 8, 1990.
U053	All	Aug. 8, 1990.
U055	All	Aug. 8, 1990.
U056	All	Aug. 8, 1990.
U057	All	Aug. 8, 1990.
U058	Soil and debris	June 8, 1992.
U058	All others	June 8, 1989.
U059	Soil and debris	May 8, 1992.
U059	All others	Aug. 8, 1990.
U060	Soil and debris	May 8, 1992.
U060	All others	Aug. 8, 1990.
U061	Soil and debris	May 8, 1992.
U061	All others	Aug. 8, 1990.
U062	Soil and debris	May 8, 1992.
U062	All others	Aug. 8, 1990.
U063	All	Aug. 8, 1990.
U064	All	Aug. 8, 1990.
U066	All	Aug. 8, 1990.
U067	All	Aug. 8, 1990.
U068	All	Aug. 8, 1990.
U069	Soil and debris	June 8, 1991.
U069	All others	June 8, 1989.
U070	All	Aug. 8, 1990.
U071	All	Aug. 8, 1990.
U072	All	Aug. 8, 1990.
U073	Soil and debris	May 8, 1992.
U073	All others	Aug. 8, 1990.
U074	Soil and debris	May 8, 1992.
U074	All others	Aug. 8, 1990.
U075	All	Aug. 8, 1990.
U076	All	Aug. 8, 1990.
U077	All	Aug. 8, 1990.
U078	All	Aug. 8, 1990.
U079	All	Aug. 8, 1990.
U080	All	Aug. 8, 1990.
U081	All	Aug. 8, 1990.
U082	All	Aug. 8, 1990.
U083	All	Aug. 8, 1990.
U084	All	Aug. 8, 1990.
U085	All	Aug. 8, 1990.
U086	All	Aug. 8, 1990.
U087	Soil and debris	June 8, 1991.
U087	All others	June 8, 1989.
U088	Soil and debris	June 8, 1991.
U088	All others	June 8, 1989.
U089	All	Aug. 8, 1990.
U090	All	Aug. 8, 1990.
U091	Soil and Debris	May 8, 1992.
U091	All others	Aug. 8, 1990.

U092	Soil and debris	May 8, 1992.
U092	All others	Aug. 8, 1990.
U093	Soil and debris	May 8, 1992.
U093	All others	Aug. 8, 1990.
U094	All	Aug. 8, 1990.
U095	Soil and debris	May 8, 1992.
U095	All others	Aug. 8, 1990.
U096	All	Aug. 8, 1990.
U097	Soil and debris	May 8, 1992.
U097	All others	Aug. 8, 1990.
U098	All	Aug. 8, 1990.
U099	All	Aug. 8, 1990.
U101	All	Aug. 8, 1990.
U102	Soil and debris	June 8, 1991.
U102	All others	June 8, 1989.
U103	All	Aug. 8, 1990.
U105	All	Aug. 8, 1990.
U106	All	Aug. 8, 1990.
U107	Soil and debris	June 8, 1991.
U107	All others	June 8, 1989.
U108	All	Aug. 8, 1990.
U109	All	Aug. 8, 1990.
U110	Soil and debris	May 8, 1992.
U110	All others	Aug. 8, 1990.
U111	All	Aug. 8, 1990.
U112	All	Aug. 8, 1990.
U113	All	Aug. 8, 1990.
U114	Soil and debris	May 8, 1992.
U114	All others	Aug. 8, 1990.
U115	All	Aug. 8, 1990.
U116	Soil and debris	May 8, 1992.
U116	All others	Aug. 8, 1990.
U117	All	Aug. 8, 1990.
U118	All	Aug. 8, 1990.
U119	Soil and debris	May 8, 1992.
U119	All others	Aug. 8, 1990.
U120	All	Aug. 8, 1990.
U121	All	Aug. 8, 1990.
U122	All	Aug. 8, 1990.
U123	All	Aug. 8, 1990.
U124	All	Aug. 8, 1990.
U125	All	Aug. 8, 1990.
U126	All	Aug. 8, 1990.
U127	All	Aug. 8, 1990.
U128	All	Aug. 8, 1990.
U129	All	Aug. 8, 1990.
U130	Soil and debris	May 8, 1992.
U130	All others	Aug. 8, 1990.
U131	All	Aug. 8, 1990.
U132	Soil and debris	May 8, 1992.
U132	All others	Aug. 8, 1990.
U133	All	Aug. 8, 1990.
U134	All	Aug. 8, 1990.
U135	All	Aug. 8, 1990.
U136	Wastewater	Aug. 8, 1990.
U136	Nonwastewater	May 8, 1992.
U137	All	Aug. 8, 1990.
U138	All	Aug. 8, 1990.
U140	All	Aug. 8, 1990.
U141	All	Aug. 8, 1990.
U142	All	Aug. 8, 1990.
U143	Soil and debris	May 8, 1992.
U143	All others	Aug. 8, 1990.
U144	All	Aug. 8, 1990.

U145	All	Aug. 8, 1990.
U146	All	Aug. 8, 1990.
U147	All	Aug. 8, 1990.
U148	Soil and debris	May 8, 1992.
U148	All others	Aug. 8, 1990.
U149	Soil and debris	May 8, 1992.
U149	All others	Aug. 8, 1990.
U150	Soil and debris	May 8, 1992.
U150	All others	Aug. 8, 1990.
U151	High mercury nonwastewater	May 8, 1992.
U151	Low mercury nonwastewater	May 8, 1992.
U151	Soil and debris	May 8, 1992.
U151	All others	Aug. 8, 1990.
U152	All	Aug. 8, 1990.
U153	Soil and debris	May 8, 1992.
U153	All others	Aug. 8, 1990.
U154	All	Aug. 8, 1990.
U155	All	Aug. 8, 1990.
U156	Soil and debris	May 8, 1992.
U156	All others	Aug. 8, 1990.
U157	All	Aug. 8, 1990.
U158	All	Aug. 8, 1990.
U159	All	Aug. 8, 1990.
U160	All	Aug. 8, 1990.
U161	All	Aug. 8, 1990.
U162	All	Aug. 8, 1990.
U163	Soil and debris	May 8, 1992.
U163	All others	Aug. 8, 1990.
U164	Soil and debris	May 8, 1992.
U164	All others	Aug. 8, 1990.
U165	All	Aug. 8, 1990.
U166	All	Aug. 8, 1990.
U167	Soil and debris	May 8, 1992.
U167	All others	Aug. 8, 1990.
U168	Soil and debris	May 8, 1992.
U168	All others	Aug. 8, 1990.
U169	All	Aug. 8, 1990.
U170	All	Aug. 8, 1990.
U171	Soil and debris	May 8, 1992.
U171	All others	Aug. 8, 1990.
U172	All	Aug. 8, 1990.
U173	Soil and debris	May 8, 1992.
U173	All others	Aug. 8, 1990.
U174	All	Aug. 8, 1990.
U176	Soil and debris	May 8, 1992.
U176	All others	Aug. 8, 1990.
U177	Soil and debris	May 8, 1992.
U177	All others	Aug. 8, 1990.
U178	Soil and debris	May 8, 1992.
U178	All others	Aug. 8, 1990.
U179	All	Aug. 8, 1990.
U180	All	Aug. 8, 1990.
U181	All	Aug. 8, 1990.
U182	All	Aug. 8, 1990.
U183	All	Aug. 8, 1990.
U184	Soil and debris	May 8, 1992.
U184	All others	Aug. 8, 1990.
U185	All	Aug. 8, 1990.
U186	All	Aug. 8, 1990.
U187	All	Aug. 8, 1990.
U188	All	Aug. 8, 1990.
U189	All	Aug. 8, 1990.
U190	Soil and debris	June 8, 1991.
U190	All others	June 8, 1989.

U191	Soil and debris	May 8, 1992.
U191	All others	Aug. 8, 1990.
U192	All	Aug. 8, 1990.
U193	Soil and debris	May 8, 1992.
U193	All others	Aug. 8, 1990.
U194	Soil and debris	May 8, 1992.
U194	All others	Aug. 8, 1990.
U196	All	Aug. 8, 1990.
U197	All	Aug. 8, 1990.
U200	Soil and debris	May 8, 1992.
U200	All others	Aug. 8, 1990.
U201	All	Aug. 8, 1990.
U202	Soil and debris	May 8, 1992.
U202	All others	Aug. 8, 1990.
U203	All	Aug. 8, 1990.
U204	All	Aug. 8, 1990.
U205	All	Aug. 8, 1990.
U206	Soil and debris	May 8, 1992.
U206	All others	Aug. 8, 1990.
U207	All	Aug. 8, 1990.
U208	All	Aug. 8, 1990.
U209	All	Aug. 8, 1990.
U210	All	Aug. 8, 1990.
U211	All	Aug. 8, 1990.
U213	All	Aug. 8, 1990.
U214	All	Aug. 8, 1990.
U215	All	Aug. 8, 1990.
U216	All	Aug. 8, 1990.
U217	All	Aug. 8, 1990.
U218	Soil and debris	May 8, 1992.
U218	All others	Aug. 8, 1990.
U219	Soil and debris	May 8, 1992.
U219	All others	Aug. 8, 1990.
U220	All	Aug. 8, 1990.
U221	Soil and debris	June 8, 1991.
U221	All others	June 8, 1989.
U222	Soil and debris	May 8, 1992.
U222	All others	Aug. 8, 1990.
U223	Soil and debris	June 8, 1991.
U223	All others	June 8, 1989.
U225	All	Aug. 8, 1990.
U226	All	Aug. 8, 1990.
U227	All	Aug. 8, 1990.
U228	All	Aug. 8, 1990.
U234	Soil and debris	May 8, 1992.
U234	All others	Aug. 8, 1990.
U235	Soil and debris	June 8, 1991.
U235	All others	June 8, 1989.
U236	Soil and debris	May 8, 1992.
U236	All others	Aug. 8, 1990.
U237	Soil and debris	May 8, 1992.
U237	All others	Aug. 8, 1990.
U238	Soil and debris	May 8, 1992.
U238	All others	Aug. 8, 1990.
U239	All	Aug. 8, 1990.
U240	Soil and debris	May 8, 1992.
U240	All others	Aug. 8, 1990.
U243	All	Aug. 8, 1990.
U244	Soil and debris	May 8, 1992.
U244	All others	Aug. 8, 1990.
U246	All	Aug. 8, 1990.
U247	All	Aug. 8, 1990.
U248	All	Aug. 8, 1990.
U249	All	Aug. 8, 1990.

FOOTNOTE: ^aThis table does not include mixed radioactive wastes (from the First, Second, and Third Third rules) which are receiving a national capacity variance until May 8, 1992 for all applicable treatment technologies.

FOOTNOTE: ^bStandards are being promulgated for 1,1,2-trichloroethane and 2-nitropropane for wastewaters and nonwastewaters.

FOOTNOTE: ^cStandards are being promulgated for benzene and 2-ethoxyethanol for wastewaters and nonwastewaters.

FOOTNOTE: ^dTreatment standards for nonwastewaters disposed of after June 8, 1989, were promulgated June 8, 1989.

FOOTNOTE: ^eTreatment standards for nonwastewaters disposed of after August 17, 1988, were promulgated May 2, 1989.

Note: This table is provided for the convenience of the reader.

SECTION 126. NR 675 Appendix VII is created to read:

NR 675 Appendix VII NATIONAL CAPACITY LDR VARIANCES FOR UIC WASTES
Comprehensive List

Waste code	Waste category	Effective date
F001-F005	All spent F001-F005 solvent containing less than 1 percent total F001-F005 solvent constituents	August 8, 1990.
California list	Liquid hazardous wastes, including free liquids associated with any solid or sludge, containing free cyanides at concentrations greater than or equal to 1,000 mg/l, or containing certain metals or compounds of these metals greater than or equal to the prohibition levels	August 8, 1990.
California list	Liquid hazardous waste having a pH less than or equal to 2	August 8, 1990.
California list	Hazardous wastes containing HOCs in total concentrations less than 10,000 mg/l but greater than or equal to 1,000 mg/l	August 8, 1990.
D002 ^b	All	May 8, 1992.
D003 (cyanides)	All	May 8, 1992.
D003 (sulfides)	All	May 8, 1992.
D003 (explosives, reactives)	All	May 8, 1992.
D007	All	May 8, 1992.

D009	High Mercury Nonwastewater	May 8, 1992.
D009	Low Mercury Nonwastewater	May 8, 1992.
F011	All	June 8, 1991.
F039	Wastewater	May 8, 1992.
K009	Wastewater	June 8, 1991.
K011	Nonwastewater	June 8, 1991.
K011	Wastewater	May 8, 1992.
K013	Nonwastewater	June 8, 1991.
K013	Wastewater	May 8, 1992.
K014	All	May 8, 1992.
K016 (dilute)	All	June 8, 1991.
K048	All	August 8, 1990.
K049	All	August 8, 1990.
K050	All	August 8, 1990.
K051	All	August 8, 1990.
K052	All	August 8, 1990.
K062	All	August 8, 1990.
K071	All	August 8, 1990.
K104	All	August 8, 1990.

FOOTNOTE: ^aWastes that are deep well disposed on-site receive a six-month variance, with restrictions effective in November 1990.

FOOTNOTE: ^bDeepwell injected D002 liquids with a pH less than 2 must meet the California List treatment standards on August 8, 1990.

Note: This table is provided for the convenience of the reader.

SECTION 127. NR 680.02(note) is amended to read:

NR 680.02(note) Note: The provisions of this chapter are consistent with, and in some instances identical to, federal regulations found in 40 CFR parts 124, 260 to 265 and 270, July 1, ~~1989~~ 1990.

Note: The publication containing the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 128. NR 680.06(10)(a)1., 2., (12)(a)1. and 3. are amended to read:

NR 680.06(10)(a)1. Immediately after determining that a complete feasibility and plan of operation report has been submitted and issuing a preliminary determination that an environmental impact statement is not required or, if it is required, immediately after the department issues the

environmental impact statement, the department shall, at the same time it issues the notice required by s. 144.44(2)(k), Stats., issue its preliminary determination to approve, conditionally approve or disapprove the report. If the preliminary determination is to approve or conditionally approve a report for a new facility or an expansion or to disapprove a report for a new facility, it shall include but need not be limited to the information required to be contained in RCRA draft permits under 40 CFR 124.6(d) as of July 1, ~~1988~~ 1990.

2. If the preliminary determination is to approve or conditionally approve a report for a new facility or an expansion or to disapprove a report for a new facility, the notice required by s. 144.44(2)(k), Stats., shall also provide notice of the department's preliminary determination on the report and shall include the information required to be contained in RCRA notices under 40 CFR 124.10(d) as of July 1, ~~1988~~ 1990.

Note: The publication containing ~~these regulations~~ the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The publications containing these regulations are available for inspection at the offices of the department, the secretary of state and revisor of statutes.~~

(12)(a)1. Upon determining that a complete plan of operation has been submitted, the department shall issue its preliminary determination to approve, conditionally approve or disapprove the plan. If the preliminary determination is to approve or conditionally approve a plan for a new facility or an expansion or to disapprove a plan for a new facility it shall include but need not be limited to the information required to be contained in RCRA

draft permits under 40 CFR 124.6(d) as of July 1, ~~1986~~ 1990.

~~Note: The publication containing these regulations may be obtained from:~~

~~The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402~~

~~The publications containing these regulations are available for inspection at the offices of the department, the secretary of state and revisor of statutes.~~

3. If the preliminary determination is to approve or conditionally approve a plan for a new facility or an expansion or to disapprove a plan for a new facility the notice shall include but need not be limited to the information required to be contained in RCRA notices under 40 CFR 124.10(d) as of July 1, ~~1986~~ 1990.

Note: The publication containing the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

SECTION 129. NR 680.07(5)(b)1. and 3. are amended to read:

NR 680.07(5)(b)1. Upon determining that a request is complete or upon initiating a modification, the department shall issue its preliminary determination on the modification. If the department initiates or proposes to approve or conditionally approve a major modification the preliminary determination shall include but need not be limited to the information required to be contained in RCRA draft permits under 40 CFR 124.6(d) as of July 1, ~~1988~~ 1990.

3. If the department initiates or proposes to approve or conditionally approve a major modification, the notice shall include but need not be limited

to, the information required to be contained in RCRA notices under 40 CFR 124.10(d) as of July 1, ~~1988~~ 1990.

Note: The publication containing ~~these regulations~~ the CFR references may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The publications containing these regulations are available for inspection at the offices of the department, the secretary of state and revisor of statutes.~~

SECTION 130. NR 680.20(2)(b)1.(note) is amended to read:

NR 680.20(2)(b)1.(note) Note: The publication containing ~~these regulations~~ Title 42 of the United States Code may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

~~The publications containing these regulations are available for inspection at the offices of the department, the secretary of state and revisor of statutes.~~

SECTION 131. NR 680.22(23) is amended to read:

NR 680.22(23) Container storage and treatment standards in ch. ~~NR 640~~ ss. NR 640.09, 640.11(2), 640.11(3), 640.14, 640.15(1), 640.15(2), 640.15(2)(a), 640.15(2)(b) and 640.10.

SECTION 132. NR 680.22(32) is created to read:

NR 680.22(32) For owners or operators of facilities which treat, store or dispose of the hazardous wastes in ch. NR 675, the ch. NR 675 requirements.

SECTION 133. NR 685.05(2)(j) is amended to read:

NR 685.05(2)(j) A description of how the applicable closure requirements in ss. NR 640.16, 645.17, 655.11, 660.15, 660.16, 665.10 ~~and~~ 660.19(14) and 670.10 will be met; and

SECTION 134. NR 685.07(5)(a)1., (e)1. and (g)1. are amended to read:

NR 685.07(5)(a)1. If the owner chooses to submit a bond, it shall be in the amount determined according to sub. (7)(b)2. or (c)2. conditioned upon faithful performance by the owner, and any successor in interest, of all closure or long-term care requirements of the approved plan of operation, or if no approved plan of operation exists for the facility, all applicable requirements in s. NR 685.05 or 685.06. The bond shall be delivered to the department as part of an interim license submittal or an initial operating license application. A bond submitted for a new facility shall be effective before the initial receipt of hazardous waste. The bond forms ~~may~~ shall be obtained from the department.

(e)1. If the owner chooses to submit a letter of credit, it shall be in the amount determined according to sub. (7)(b)2. or (c)2. conditioned upon faithful performance by the owner and any successor in interest, of all closure or long-term care requirements of the approved plan of operation, or if no approved plan of operation exists for the facility, the applicable requirements in s. NR 685.05 or 685.06. The letter of credit ~~must~~ shall be irrevocable and issued for a period of at least 1 year. The original letter of credit shall be delivered to the department as part of an interim license submittal or an initial operating license application. A letter of credit

submitted for a new facility shall be effective before the initial receipt of hazardous waste. The letter of credit forms ~~may~~ shall be obtained from the department.

(g)1. If the owner chooses to submit an insurance policy for closure or long-term care, it shall be issued for the maximum risk limit determined according to sub. (7)(b)3. or (c)3. A certificate of insurance shall be delivered to the department as part of an interim license submittal or an initial operating license application. An insurance policy submitted for a new facility shall be effective before the initial receipt of hazardous waste. Certificates of insurance shall be ~~supplied by~~ obtained from the department.

SECTION 135. NR 685.08(7)(a) is amended to read:

NR 685.08(7)(a) A hazardous waste facility liability endorsement as required in sub. (3) shall be worded as follows, except that instructions in brackets are to be replaced with the relevant information and the brackets deleted:

HAZARDOUS WASTE FACILITY LIABILITY ENDORSEMENT

This endorsement certifies that the policy to which the endorsement is attached provides liability insurance covering bodily injury and property damage in connection with the insured's obligation to demonstrate financial responsibility under s. NR 685.08, Wis. Adm. Code. The coverage applies at [list EPA Identification Number, name and address for each facility] for [insert "sudden accidental occurrences", "nonsudden accidental occurrences" or "sudden and nonsudden accidental occurrences", if coverage is for multiple facilities and the coverage is different for different facilities, indicate

which facilities are insured for sudden accidental occurrences, which are insured for nonsudden accidental occurrences, and which are insured for both]. The limits of liability are [insert the dollar amount of the "each occurrence" and "annual aggregate" limits of the insurer's liability], exclusive of legal defense costs.

The insurance afforded with respect to the occurrences is subject to all of the terms and conditions of the policy; ~~if~~ provided, however, that any provisions of the policy inconsistent with the provisions of this endorsement stated below are hereby amended to conform with this endorsement.

Bankruptcy or insolvency of the insured may not relieve the Insurer of its obligations under the policy to which this endorsement is attached.

The Insurer is liable for the payment of amounts within any deductible applicable to the policy, with a right of reimbursement by the insured for any payment made by the insurer.

Whenever requested by the Department of Natural Resources (DNR) the Insurer agrees to furnish to the DNR a signed duplicate original of the policy and all endorsements.

Cancellation of this endorsement, whether by the Insurer, the insured, a parent corporation providing insurance coverage for its subsidiary, or by a firm having an insurable interest in and obtaining liability insurance on behalf of the owner or operator of the hazardous waste management facility, shall be effective only upon written notice and only after the expiration of 60 days after a copy of the written notice is received by the DNR.

Any other termination of this endorsement shall be effective only upon written notice and only after the expiration of thirty (30) days after a copy of the written notice is received by the DNR.

Attached to and forming part of policy No. _____ issued by [name of Insurer], herein called the Insurer, of [address of Insurer] to [name of insured] of [address] this _____ day of _____, 19____. The effective date of said policy is _____ day of _____, 19____.

I hereby certify that the wording of this endorsement is identical to the wording specified in s. NR 685.08(7), Wis. Adm. Code, as was constituted on the date first above written, and that the agent or broker is licensed as a surplus lines insurance agent or broker.

[Signature of Authorized Representative of Insurer]

[Type name]

[Title], Authorized Representative of [name of insurer]

[Address of Representative]

The foregoing rules were approved and adopted by the State of Wisconsin Natural Resources Board on _____ March 26, 1992

The rules shall take effect the first day of the month following publication in the Wisconsin administrative register as provided in s. 227.22(2)(intro), Stats.

Dated at Madison, Wisconsin May 21, 1992

RECEIVED
MAY 29 1992
Revisor of Statutes
Bureau

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

By Carroll D. Besadny
Carroll D. Besadny, Secretary

SEAL