

ENVIRONMENTAL PROTECTION COMMISSION[567]

Former Water, Air and Waste Management[900], renamed by 1986 Iowa Acts, chapter 1245, Environmental Protection Commission under the “umbrella” of the Department of Natural Resources.

TITLE I *GENERAL*

CHAPTER 1

OPERATION OF ENVIRONMENTAL PROTECTION COMMISSION

- 1.1(17A,455A) Scope
- 1.2(17A,455A) Time of meetings
- 1.3(17A,455A) Place of meetings
- 1.4(17A,455A) Notification of meetings
- 1.5(17A,455A) Attendance and participation by the public
- 1.6(17A,455A) Quorum and voting requirements
- 1.7(17A,455A) Conduct of meeting
- 1.8(17A,455A) Minutes, transcripts, and recordings of meetings
- 1.9(17A,455A) Officers and duties
- 1.10(17A,455A) Election and succession of officers
- 1.11(68B) Sales of goods and services

CHAPTER 2

PUBLIC RECORDS AND FAIR INFORMATION PRACTICES

(Uniform Rules)

- 2.1(17A,22) Adoption by reference

CHAPTER 3

SUBMISSION OF INFORMATION AND COMPLAINTS—INVESTIGATIONS

- 3.1(17A,455B) Adoption by reference

CHAPTER 4

AGENCY PROCEDURE FOR RULE MAKING

- 4.1(17A) Adoption by reference

CHAPTER 5

PETITIONS FOR RULE MAKING

- 5.1(17A) Adoption by reference

CHAPTER 6

DECLARATORY ORDERS

- 6.1(17A) Adoption by reference

CHAPTER 7

RULES OF PRACTICE IN CONTESTED CASES

- 7.1(17A) Adoption by reference

CHAPTER 8

CONTRACTS FOR PUBLIC IMPROVEMENTS AND PROFESSIONAL SERVICES

- 8.1(17A) Adoption by reference

CHAPTER 9

DELEGATION OF CONSTRUCTION PERMITTING AUTHORITY

- 9.1(455B) Scope
- 9.2(455B,17A) Forms
- 9.3(455B) Procedures
- 9.4(455B) Criteria for authority

CHAPTER 10
ADMINISTRATIVE PENALTIES

- 10.1(455B) Scope
- 10.2(455B) Criteria for screening and assessing administrative penalties
- 10.3(455B) Assessment of administrative penalties

CHAPTER 11
TAX CERTIFICATION OF POLLUTION CONTROL OR RECYCLING PROPERTY

- 11.1(427) Scope
- 11.2(427,17A) Form
- 11.3(427) Time of submission
- 11.4(427) Notice
- 11.5(427) Issuance
- 11.6(427) Criteria for determining eligibility

CHAPTER 12
ENVIRONMENTAL SELF-AUDITS

- 12.1(455K) General
- 12.2(455K) Notice of audit
- 12.3(455K) Request for extension
- 12.4(455K) Disclosure of violation

CHAPTER 13
WAIVERS OR VARIANCES FROM ADMINISTRATIVE RULES

- 13.1(17A) Adoption by reference
- 13.2(17A) Report to commission

CHAPTER 14
ENVIRONMENTAL COVENANTS

- 14.1(455B,455H) Definitions
- 14.2(455B,455H) Environmental covenants
- 14.3(455B,455H) Supporting documentation
- 14.4(455B,455H) Recording and approval
- 14.5(455B,455H) Mandatory provisions
- 14.6(455B,455H) Optional provisions
- 14.7(455B,455H) Modification and termination
- 14.8(455B,455H) Signatories to the environmental covenant
- 14.9(455B,455H) Notice

CHAPTER 15
CROSS-MEDIA ELECTRONIC REPORTING

- 15.1(455B,554D) Purpose

CHAPTER 16
REVOCATION, SUSPENSION, AND NONRENEWAL OF LICENSE
FOR FAILURE TO PAY STATE LIABILITIES

- 16.1(272D,261) Purpose and use
- 16.2(272D,261) Definitions
- 16.3(272D,261) Requirements of the department
- 16.4(272D,261) No administrative appeal of the department's action
- 16.5(272D,261) District court hearing

CHAPTER 17
COMPLIANCE AND ENFORCEMENT PROCEDURES

17.1(455B)	Scope
17.2(455B)	Basis
17.3(455B)	Option to respond
17.4(455B)	Department discretion

CHAPTERS 18 and 19
Reserved

TITLE II
AIR QUALITY

CHAPTER 20
SCOPE OF TITLE—DEFINITIONS—FORMS—RULES OF PRACTICE

20.1(455B,17A)	Scope of title
20.2(455B)	Definitions

CHAPTER 21
COMPLIANCE

21.1(455B)	Compliance schedule
21.2(455B)	Variances
21.3(455B)	Emission reduction program
21.4(455B)	Circumvention of rules
21.5(455B)	Evidence used in establishing that a violation has or is occurring
21.6(455B)	Temporary electricity generation for disaster situations

CHAPTER 22
CONTROLLING POLLUTION

22.1(455B)	Permits required for new or existing stationary sources
22.2(455B)	Processing permit applications
22.3(455B)	Issuing permits
22.4(455B)	Special requirements for major stationary sources located in areas designated attainment or unclassified (PSD)
22.5(455B)	Special requirements for nonattainment areas
22.6	Reserved
22.7(455B)	Alternative emission control program
22.8(455B)	Permit by rule
22.9(455B)	Special requirements for visibility protection
22.10(455B)	Permitting requirements for country grain elevators, country grain terminal elevators, grain terminal elevators and feed mill equipment
22.11 to 22.99	Reserved
22.100(455B)	Definitions for Title V operating permits
22.101(455B)	Applicability of Title V operating permit requirements
22.102(455B)	Source category exemptions
22.103(455B)	Insignificant activities
22.104(455B)	Requirement to have a Title V permit
22.105(455B)	Title V permit applications
22.106(455B)	Title V permit fees
22.107(455B)	Title V permit processing procedures
22.108(455B)	Permit content
22.109(455B)	General permits
22.110(455B)	Changes allowed without a Title V permit revision (off-permit revisions)
22.111(455B)	Administrative amendments to Title V permits

22.112(455B)	Minor Title V permit modifications
22.113(455B)	Significant Title V permit modifications
22.114(455B)	Title V permit reopenings
22.115(455B)	Suspension, termination, and revocation of Title V permits
22.116(455B)	Title V permit renewals
22.117 to 22.119	Reserved
22.120(455B)	Acid rain program—definitions
22.121(455B)	Measurements, abbreviations, and acronyms
22.122(455B)	Applicability
22.123(455B)	Acid rain exemptions
22.124	Reserved
22.125(455B)	Standard requirements
22.126(455B)	Designated representative—submissions
22.127(455B)	Designated representative—objections
22.128(455B)	Acid rain applications—requirement to apply
22.129(455B)	Information requirements for acid rain permit applications
22.130(455B)	Acid rain permit application shield and binding effect of permit application
22.131(455B)	Acid rain compliance plan and compliance options—general
22.132	Reserved
22.133(455B)	Acid rain permit contents—general
22.134(455B)	Acid rain permit shield
22.135(455B)	Acid rain permit issuance procedures—general
22.136(455B)	Acid rain permit issuance procedures—completeness
22.137(455B)	Acid rain permit issuance procedures—statement of basis
22.138(455B)	Issuance of acid rain permits
22.139(455B)	Acid rain permit appeal procedures
22.140(455B)	Permit revisions—general
22.141(455B)	Permit modifications
22.142(455B)	Fast-track modifications
22.143(455B)	Administrative permit amendment
22.144(455B)	Automatic permit amendment
22.145(455B)	Permit reopenings
22.146(455B)	Compliance certification—annual report
22.147	Reserved
22.148(455B)	Sulfur dioxide opt-ins
22.149 to 22.299	Reserved
22.300(455B)	Operating permit by rule for small sources

CHAPTER 23

EMISSION STANDARDS FOR CONTAMINANTS

23.1(455B)	Emission standards
23.2(455B)	Open burning
23.3(455B)	Specific contaminants
23.4(455B)	Specific processes
23.5(455B)	Anaerobic lagoons
23.6(455B)	Alternative emission limits (the “bubble concept”)

CHAPTER 24

EXCESS EMISSION

24.1(455B)	Excess emission reporting
24.2(455B)	Maintenance and repair requirements

CHAPTER 25
MEASUREMENT OF EMISSIONS

- 25.1(455B) Testing and sampling of new and existing equipment
- 25.2(455B) Continuous emission monitoring under the acid rain program
- 25.3(455B) Mercury emissions testing and monitoring

CHAPTER 26
PREVENTION OF AIR POLLUTION EMERGENCY EPISODES

- 26.1(455B) General
- 26.2(455B) Episode criteria
- 26.3(455B) Preplanned abatement strategies
- 26.4(455B) Actions taken during episodes

CHAPTER 27
CERTIFICATE OF ACCEPTANCE

- 27.1(455B) General
- 27.2(455B) Certificate of acceptance
- 27.3(455B) Ordinance or regulations
- 27.4(455B) Administrative organization
- 27.5(455B) Program activities

CHAPTER 28
AMBIENT AIR QUALITY STANDARDS

- 28.1(455B) Statewide standards

CHAPTER 29
QUALIFICATION IN VISUAL DETERMINATION OF THE OPACITY OF EMISSIONS

- 29.1(455B) Methodology and qualified observer

CHAPTER 30
Reserved

CHAPTER 31
NONATTAINMENT AREAS

- 31.1(455B) Permit requirements relating to nonattainment areas
- 31.2(455B) Conformity of general federal actions to the Iowa state implementation plan or federal implementation plan
- NONATTAINMENT AREAS DESIGNATED ON OR AFTER MAY 18, 1998
- 31.3(455B) Nonattainment new source review requirements for areas designated nonattainment on or after May 18, 1998
- 31.4(455B) Preconstruction review permit program
- 31.5 to 31.8 Reserved
- 31.9(455B) Actuals PALs
- 31.10(455B) Validity of rules
- 31.11 to 31.19 Reserved
- NONATTAINMENT AREAS DESIGNATED BEFORE MAY 18, 1998
- 31.20(455B) Special requirements for nonattainment areas designated before May 18, 1998 (originally adopted in 567—22.5(455B))

CHAPTER 32
ANIMAL FEEDING OPERATIONS FIELD STUDY

- 32.1(455B) Animal feeding operations field study
- 32.2(455B) Definitions

- 32.3(455B) Exceedance of the health effects value (HEV) for hydrogen sulfide
- 32.4(455B) Exceedance of the health effects standard (HES) for hydrogen sulfide
- 32.5(455B) Iowa Air Sampling Manual

CHAPTER 33

SPECIAL REGULATIONS AND CONSTRUCTION PERMIT REQUIREMENTS FOR MAJOR STATIONARY SOURCES—PREVENTION OF SIGNIFICANT DETERIORATION (PSD) OF AIR QUALITY

- 33.1(455B) Purpose
- 33.2 Reserved
- 33.3(455B) Special construction permit requirements for major stationary sources in areas designated attainment or unclassified (PSD)
- 33.4 to 33.8 Reserved
- 33.9(455B) Plantwide applicability limitations (PALs)
- 33.10(455B) Exceptions to adoption by reference

CHAPTER 34

PROVISIONS FOR AIR QUALITY EMISSIONS TRADING PROGRAMS

- 34.1(455B) Purpose
- 34.2 to 34.199 Reserved
- 34.200(455B) Provisions for air emissions trading and other requirements for the Clean Air Interstate Rule (CAIR)
- 34.201(455B) CAIR NO_x annual trading program general provisions
- 34.202(455B) CAIR designated representative for CAIR NO_x sources
- 34.203(455B) Permits
- 34.204 Reserved
- 34.205(455B) CAIR NO_x allowance allocations
- 34.206(455B) CAIR NO_x allowance tracking system
- 34.207(455B) CAIR NO_x allowance transfers
- 34.208(455B) Monitoring and reporting
- 34.209(455B) CAIR NO_x opt-in units
- 34.210(455B) CAIR SO₂ trading program
- 34.211 to 34.219 Reserved
- 34.220(455B) CAIR NO_x ozone season trading program
- 34.221(455B) CAIR NO_x ozone season trading program general provisions
- 34.222(455B) CAIR designated representative for CAIR NO_x ozone season sources
- 34.223(455B) CAIR NO_x ozone season permits
- 34.224 Reserved
- 34.225(455B) CAIR NO_x ozone season allowance allocations
- 34.226(455B) CAIR NO_x ozone season allowance tracking system
- 34.227(455B) CAIR NO_x ozone season allowance transfers
- 34.228(455B) CAIR NO_x ozone season monitoring and reporting
- 34.229(455B) CAIR NO_x ozone season opt-in units

CHAPTER 35

AIR EMISSIONS REDUCTION ASSISTANCE PROGRAM

- 35.1(455B) Purpose
- 35.2(455B) Definitions
- 35.3(455B) Role of the department of natural resources
- 35.4(455B) Eligible projects
- 35.5(455B) Forms
- 35.6(455B) Project selection
- 35.7(455B) Funding sources

35.8(455B)	Type of financial assistance
35.9(455B)	Term of loans
35.10(455B)	Reduced award
35.11(455B)	Fund disbursement limitations
35.12(455B)	Applicant cost share
35.13(455B)	Eligible costs
35.14(455B)	Ineligible costs
35.15(455B)	Written agreement
35.16(455B)	Financial assistance denial

TITLE III
WITHDRAWAL DIVERSION, STORAGE AND USE OF WATER
 DIVISION A
 WATER WELL CONSTRUCTION: GENERAL STANDARDS AND REGISTRATION OF CONTRACTORS

CHAPTERS 36 and 37

Reserved

CHAPTER 38

PRIVATE WATER WELL CONSTRUCTION PERMITS

38.1(455B)	Definitions
38.2(455B)	Forms
38.3(455B)	Permit requirement
38.4(455B)	Form of application
38.5(455B)	Fees
38.6(455B)	Well maintenance and reconstruction
38.7(455B)	Emergency permits
38.8(455B)	Permit issuance and conditions
38.9(455B)	Noncompliance
38.10(455B)	Expiration of a permit
38.11(455B)	Transferability
38.12(455B)	Denial of a permit
38.13(455B)	Appeal of a permit denial
38.14	Reserved
38.15(455B)	Delegation of authority to county board of supervisors
38.16(455B)	Concurrent authority of the department
38.17(455B)	Revocation of delegation agreement

CHAPTER 39

REQUIREMENTS FOR PROPERLY PLUGGING ABANDONED WELLS

39.1(455B)	Purpose
39.2(455B)	Applicability
39.3(455B)	Definitions
39.4(455B)	Forms
39.5(455B)	Abandoned well plugging schedule
39.6(455B)	Abandoned well owner responsibilities
39.7(455B)	Abandoned well plugging materials
39.8(455B)	Abandoned well plugging procedures
39.9(455B)	Designated agent
39.10(455B)	Designation of standby wells
39.11(455B)	Variances

DIVISION B
DRINKING WATER

CHAPTER 40

SCOPE OF DIVISION—DEFINITIONS—FORMS—RULES OF PRACTICE

40.1(455B)	Scope of division
40.2(455B)	Definitions
40.3(17A,455B)	Forms
40.4(17A,455B)	Public water supply construction permit application procedures
40.5(17A,455B)	Public water supply operation permit application procedures
40.6(455B)	Drinking water state revolving fund loan application procedures
40.7(455B)	Viability assessment procedures

CHAPTER 41
WATER SUPPLIES

41.1(455B)	Primary drinking water regulations—coverage
41.2(455B)	Biological maximum contaminant levels (MCL) and monitoring requirements
41.3(455B)	Maximum contaminant levels (MCLs) and monitoring requirements for inorganic contaminants other than lead or copper
41.4(455B)	Lead, copper, and corrosivity
41.5(455B)	Organic chemicals
41.6(455B)	Disinfection byproducts maximum contaminant levels and monitoring requirements
41.7	Reserved
41.8(455B)	Radionuclides
41.9 and 41.10	Reserved
41.11(455B)	Special monitoring
41.12(455B)	Alternative analytical techniques
41.13(455B)	Monitoring of interconnected public water supply systems
41.14(455B)	Department analytical results used to determine compliance
41.15(455B)	Monitoring of other contaminants

CHAPTER 42
PUBLIC NOTIFICATION, PUBLIC EDUCATION,
CONSUMER CONFIDENCE REPORTS, REPORTING,
AND RECORD MAINTENANCE

42.1(455B)	Public notification
42.2(455B)	Public education for lead action level exceedance
42.3(455B)	Consumer confidence reports
42.4(455B)	Reporting
42.5(455B)	Record maintenance

CHAPTER 43
WATER SUPPLIES—DESIGN AND OPERATION

43.1(455B)	General information
43.2(455B)	Permit to operate
43.3(455B)	Public water supply system construction
43.4(455B)	Certification of completion
43.5(455B)	Filtration and disinfection for surface water and influenced groundwater public water supply systems
43.6(455B)	Residual disinfectant and disinfection byproduct precursors
43.7(455B)	Lead and copper treatment techniques
43.8(455B)	Viability assessment

- 43.9(455B) Enhanced filtration and disinfection requirements for surface water and IGW systems serving at least 10,000 people
- 43.10(455B) Enhanced filtration and disinfection requirements for surface water and IGW systems serving fewer than 10,000 people
- 43.11(455B) Enhanced treatment for *Cryptosporidium*
- 43.12(455B) Optimization goals

CHAPTER 44

DRINKING WATER STATE REVOLVING FUND

- 44.1(455B) Statutory authority
- 44.2(455B) Scope of title
- 44.3(455B) Purpose
- 44.4(455B) Definitions
- 44.5(455B) Set-asides
- 44.6(455B) Eligibility
- 44.7(455B) Project point ranking system (project priority list)
- 44.8(455B) Intended use plan
- 44.9(455B) Department initial approval of projects
- 44.10(455B) General administrative requirements
- 44.11 Reserved
- 44.12(455B) Construction phase and postconstruction phase requirements
- 44.13(455B) Sanctions
- 44.14(455B) Disputes

CHAPTERS 45 to 48

Reserved

CHAPTER 49

NONPUBLIC WATER SUPPLY WELLS

- 49.1(455B) Purpose
- 49.2(455B) Definitions
- 49.3(455B) Applicability
- 49.4(455B) General
- 49.5(455B) Variances
- 49.6(455B) Location of wells
- 49.7(455B) General construction requirements
- 49.8(455B) Types of well construction
- 49.9(455B) Material standards
- 49.10(455B) Well reconstruction
- 49.11(455B) Disposal of drilling mud
- 49.12(455B) Pumps and pumping equipment
- 49.13(455B) Drop pipe
- 49.14(455B) Pump wiring
- 49.15(455B) Pitless adapters and pitless units
- 49.16(455B) Well caps and seals
- 49.17(455B) Vents
- 49.18(455B) Underground piping
- 49.19(455B) Underground wiring
- 49.20(455B) Sampling faucets
- 49.21(455B) Hydropneumatic (pressure) tanks
- 49.22(455B) Electrical connections
- 49.23(455B) Interconnections and cross connections
- 49.24(455B) Backflow prevention for chemical injection systems for nonpotable water wells

- 49.25(455B) Filters and water treatment equipment
- 49.26(455B) Well disinfection
- 49.27(455B) Water sampling and analysis
- 49.28(455B) Abandonment of wells
- 49.29(455B) Closed circuit vertical heat exchangers

DIVISION C
WITHDRAWAL, DIVERSION AND STORAGE
OF WATER: WATER RIGHTS ALLOCATION

CHAPTER 50

SCOPE OF DIVISION—DEFINITIONS—FORMS—RULES OF PRACTICE

- 50.1(455B) Scope of division
- 50.2(455B) Definitions
- 50.3(17A,455B) Forms for withdrawal, diversion or storage of water
- 50.4(17A,455B) How to request a permit
- 50.5(455B) Initial screening of applications
- 50.6(17A,455B) Supporting information
- 50.7(17A,455B) Review of complete applications
- 50.8(17A,455B) Initial decision by the department
- 50.9(17A,455B) Appeal of initial decision

CHAPTER 51

WATER PERMIT OR REGISTRATION—WHEN REQUIRED

- 51.1(455B) Scope of chapter
- 51.2(455B) Storage (surface)
- 51.3(455B) Diversion from surface into aquifer
- 51.4(455B) Drain tile lines
- 51.5(455B) Cooling/heating systems
- 51.6(455B) Miscellaneous uses
- 51.7(455B) Excavation and processing of rock and gravel products
- 51.8(159) Agricultural drainage wells

CHAPTER 52

CRITERIA AND CONDITIONS FOR AUTHORIZING WITHDRAWAL,
DIVERSION AND STORAGE OF WATER

- 52.1(455B) Scope of chapter
- 52.2(455B) Conditions on permitted water uses
- 52.3(455B) Conditions on withdrawals from streams
- 52.4(455B) Conditions on withdrawals from groundwater sources
- 52.5(455B) Duration of permits for withdrawal or diversion of water
- 52.6(455B) Monitoring, recording and reporting of water use and effects on water source
- 52.7(455B) Modification, cancellation, and emergency suspension of permits
- 52.8(455B) Designated protected flows of streams
- 52.9(455B) Water conservation
- 52.10(455B) Priority allocation restrictions
- 52.11(455B) Plugging of abandoned wells
- 52.12 to 52.19 Reserved
- 52.20(455B) Water storage permits
- 52.21(455B) Permits to divert water to an agricultural drainage well

CHAPTER 53
 PROTECTED WATER SOURCES — PURPOSES — DESIGNATION PROCEDURES —
 INFORMATION IN WITHDRAWAL APPLICATIONS — LIMITATIONS —
 LIST OF PROTECTED SOURCES

53.1(455B)	Scope of chapter
53.2(455B)	Designation of protected sources
53.3(455B)	Purposes of designating a protected source
53.4(455B)	Designation procedure
53.5(455B)	Information requirements for applications to withdraw water from protected sources
53.6(455B)	Conditions in permits for withdrawals of water from a protected source
53.7(455B)	List of protected water sources

CHAPTER 54
 CRITERIA AND CONDITIONS FOR PERMIT RESTRICTIONS OR COMPENSATION BY
 PERMITTED USERS TO NONREGULATED USERS DUE TO WELL INTERFERENCE

54.1(455B)	Scope of chapter
54.2(455B)	Requirements for informal negotiations
54.3(455B)	Failure to cooperate
54.4(455B)	Well interference by proposed withdrawals
54.5(455B)	Well interference by existing permitted uses
54.6(455B)	Verification of well interference
54.7(455B)	Settlement procedures
54.8(455B)	Recurring complaints
54.9(455B)	Variances
54.10(455B)	Appeal procedures

CHAPTER 55
 AQUIFER STORAGE AND RECOVERY:
 CRITERIA AND CONDITIONS FOR AUTHORIZING STORAGE,
 RECOVERY, AND USE OF WATER

55.1(455B)	Statutory authority
55.2	Reserved
55.3(455B)	Purpose
55.4(455B)	Definitions
55.5(455B)	Application processing
55.6(455B)	Aquifer storage and recovery technical evaluation criteria

CHAPTERS 56 to 59
 Reserved

TITLE IV
WASTEWATER TREATMENT AND DISPOSAL

CHAPTER 60
 SCOPE OF TITLE—DEFINITIONS—FORMS—RULES OF PRACTICE

60.1(455B,17A)	Scope of title
60.2(455B)	Definitions
60.3(455B,17A)	Forms
60.4(455B,17A)	Application procedures and requirements generally

CHAPTER 61
WATER QUALITY STANDARDS

WATER QUALITY STANDARDS

61.1	Reserved
61.2(455B)	General considerations
61.3(455B)	Surface water quality criteria
61.4 to 61.9	Reserved

VOLUNTEER MONITORING DATA REQUIREMENTS

61.10(455B)	Purpose
61.11(455B)	Monitoring plan required
61.12(455B)	Use of volunteer monitoring data
61.13(455B)	Department audits of volunteer monitoring activities

CHAPTER 62

EFFLUENT AND PRETREATMENT STANDARDS:
OTHER EFFLUENT LIMITATIONS OR PROHIBITIONS

62.1(455B)	Prohibited discharges
62.2(455B)	Exemption of adoption of certain federal rules from public participation
62.3(455B)	Secondary treatment information: effluent standards for publicly owned treatment works and semipublic sewage disposal systems
62.4(455B)	Federal effluent and pretreatment standards
62.5(455B)	Federal toxic effluent standards
62.6(455B)	Effluent limitations and pretreatment requirements for sources for which there are no federal effluent or pretreatment standards
62.7(455B)	Effluent limitations less stringent than the effluent limitation guidelines
62.8(455B)	Effluent limitations or pretreatment requirements more stringent than the effluent or pretreatment standards
62.9(455B)	Disposal of pollutants into wells
62.10(455B)	Effluent reuse

CHAPTER 63

MONITORING, ANALYTICAL AND REPORTING REQUIREMENTS

63.1(455B)	Guidelines establishing test procedures for the analysis of pollutants
63.2(455B)	Records of monitoring activities and results
63.3(455B)	Minimum self-monitoring requirements in permits
63.4(455B)	Effluent toxicity testing requirements in permits
63.5(455B)	Self-monitoring and reporting for animal feeding operations
63.6(455B)	Bypasses and upsets
63.7(455B)	Submission of records of operation
63.8(455B)	Frequency of submitting records of operation
63.9(455B)	Content of records of operation
63.10(455B)	Records of operation forms
63.11(455B)	Certification and signatory requirements in the submission of records of operation
63.12(455B)	Twenty-four-hour reporting
63.13(455B)	Planned changes
63.14(455B)	Anticipated noncompliance

CHAPTER 64

WASTEWATER CONSTRUCTION AND OPERATION PERMITS

64.1	Reserved
64.2(455B)	Permit to construct
64.3(455B)	Permit to operate

64.4(455B)	Issuance of NPDES permits
64.5(455B)	Notice and public participation in the individual NPDES permit process
64.6(455B)	Completing a Notice of Intent for coverage under a general permit
64.7(455B)	Terms and conditions of NPDES permits
64.8(455B)	Reissuance of operation and NPDES permits
64.9(455B)	Monitoring, record keeping and reporting by operation permit holders
64.10(455B)	Silvicultural activities
64.11 and 64.12	Reserved
64.13(455B)	Storm water discharges
64.14(455B)	Transfer of title and owner or operator address change
64.15(455B)	General permits issued by the department
64.16(455B)	Fees
64.17(455B)	Validity of rules
64.18(455B)	Applicability

CHAPTER 65 ANIMAL FEEDING OPERATIONS

DIVISION I CONFINEMENT FEEDING OPERATIONS

65.1(459,459B)	Definitions
65.2(459,459B)	Minimum manure control requirements and reporting of releases
65.3(459,459B)	Requirements and recommended practices for land application of manure
65.4	Reserved
65.5(459,459B)	Departmental evaluation
65.6(459,459B)	Concentrated animal feeding operations; NPDES permits
65.7(459,459B)	Construction permits—required approvals, permits, determinations and declaratory orders
65.8(459,459B)	Construction
65.9(459,459B)	Preconstruction submittal requirements
65.10(459,459B)	Construction permit application review process, site inspections and complaint investigations
65.11(459,459B)	Confinement feeding operation and stockpile separation distance requirements
65.12(459,459B)	Exemptions and variances to confinement feeding operation and stockpile separation distance requirements and prohibition of construction on the one hundred year flood plain
65.13 and 65.14	Reserved
65.15(459,459B)	Manure storage structure design requirements
65.16(459,459B)	Manure management plan requirements
65.17(459,459B)	Manure management plan content requirements
65.18(459,459B)	Construction certification
65.19(459,459B)	Manure applicators certification
65.20(459,459B)	Manure storage indemnity fund
65.21(459,459B)	Transfer of legal responsibilities or title
65.22(459,459B)	Validity of rules
65.23 to 65.99	Reserved

DIVISION II OPEN FEEDLOT OPERATIONS

65.100(455B,459,459A)	Definitions
65.101(459A)	Minimum open feedlot effluent control requirements and reporting of releases
65.102(455B,459A)	NPDES permits required for CAFOs
65.103(455B,459A)	Departmental evaluation; CAFO designation; remedial actions
65.104(455B,459A)	NPDES permits

- 65.105(459A) Construction permits
- 65.106(459A) Construction
- 65.107(459A) Construction permit application
- 65.108(455B,459A) Water well separation distances for open feedlot operations
- 65.109(459A) Settled open feedlot effluent basins—investigation, design and construction requirements
- 65.110(459A) AT systems—design requirements
- 65.111(459A) Construction certification
- 65.112(459A) Nutrient management plan requirements
- 65.113(459A) Complaint investigations
- 65.114(455B,459A) Transfer of legal responsibilities or title

CHAPTER 66

PESTICIDE APPLICATION TO WATERS

- 66.1(455B) Aquatic pesticide

CHAPTER 67

STANDARDS FOR THE LAND APPLICATION OF SEWAGE SLUDGE

- 67.1(455B) Land application of sewage sludge
- 67.2(455B) Exclusions
- 67.3(455B) Sampling and analysis
- 67.4(455B) Land application program
- 67.5(455B) Special definitions
- 67.6(455B) Permit requirements
- 67.7(455B) Land application requirements for Class I sewage sludge
- 67.8(455B) Land application requirements for Class II sewage sludge
- 67.9(455B) Class III sewage sludge
- 67.10(455B) Sampling and analytical methods
- 67.11(455B) Pathogen treatment processes

CHAPTER 68

COMMERCIAL SEPTIC TANK CLEANERS

- 68.1(455B) Purpose and applicability
- 68.2(455B) Definitions
- 68.3(455B) Licensing requirements
- 68.4(455B) Licensing procedures
- 68.5(455B) Suspension, revocation and denial of license
- 68.6(455B) Licensee's obligations
- 68.7(455B) County obligations
- 68.8(455B) Application sites and equipment inspections
- 68.9(455B) Standards for commercial cleaning of private sewage disposal systems
- 68.10(455B) Standards for disposal
- 68.11(455B) Standards for disposal of on-farm food processing wastewater

CHAPTER 69

PRIVATE SEWAGE DISPOSAL SYSTEMS

- 69.1(455B) General
- 69.2(455B) Time of transfer inspections
- 69.3(455B) Site analysis
- 69.4(455B) Requirements when effluent is discharged into surface water
- 69.5(455B) Requirements when effluent is discharged above the ground surface
- 69.6(455B) Requirements when effluent is discharged into the soil
- 69.7(455B) Building sewers

69.8(455B)	Primary treatment—septic tanks
69.9(455B)	Secondary treatment—subsurface soil absorption systems
69.10(455B)	Mound systems
69.11(455B)	At-grade systems
69.12(455B)	Drip irrigation
69.13(455B)	Packed bed media filters
69.14(455B)	Aerobic treatment units
69.15(455B)	Constructed wetlands
69.16(455B)	Waste stabilization ponds
69.17(455B)	Requirements for impervious vault toilets
69.18(455B)	Requirements for portable toilets
69.19(455B)	Other methods of wastewater disposal
69.20(455B)	Disposal of septage from private sewage disposal systems
69.21(455B)	Experimental private sewage disposal systems
69.22(455B)	Variances

TITLE V
FLOOD PLAIN DEVELOPMENT

CHAPTER 70

SCOPE OF TITLE—DEFINITIONS—FORMS—RULES OF PRACTICE

70.1(455B,481A)	Scope of title
70.2(455B,481A)	Definitions
70.3(17A,455B,481A)	Forms
70.4(17A,455B,481A)	Requesting approval of flood plain development
70.5(17A,455B,481A)	Procedures for review of applications
70.6(17A,455B,481A)	Appeal of initial decision

CHAPTER 71

FLOOD PLAIN OR FLOODWAY DEVELOPMENT—
WHEN APPROVAL IS REQUIRED

71.1(455B)	Bridges, culverts, temporary stream crossings, and road embankments
71.2(455B)	Channel changes
71.3(455B)	Dams
71.4(455B)	Levees or dikes
71.5(455B)	Waste or water treatment facilities
71.6(455B)	Sanitary landfills
71.7(455B)	Buildings and associated fill
71.8(455B)	Pipeline crossings
71.9(455B)	Stream bank protective devices
71.10(455B)	Boat docks
71.11(455B)	Excavations
71.12(455B)	Miscellaneous structures, obstructions, or deposits not otherwise provided for in other rules
71.13(455B)	Animal feeding operation structures

CHAPTER 72

CRITERIA FOR APPROVAL

DIVISION I

SPECIAL CRITERIA FOR VARIOUS TYPES OF FLOOD PLAIN DEVELOPMENT

72.1(455B)	Bridges and road embankments
72.2(455B)	Channel changes
72.3(455B)	Dams
72.4(455B)	Levees or dikes

72.5(455B)	Buildings
72.6(455B)	Wastewater treatment facilities
72.7(455B)	Sanitary landfills
72.8(455B)	Water supply treatment facilities
72.9(455B)	Stream protective devices
72.10(455B)	Pipeline river or stream crossings
72.11(455B)	Miscellaneous construction
72.12	Reserved
72.13(455B)	Animal feeding operation structures
72.14 to 72.29	Reserved

DIVISION II
GENERAL CRITERIA

72.30(455B)	General conditions
72.31(455B)	Variance
72.32(455B)	Protected stream information
72.33 to 72.49	Reserved

DIVISION III
PROTECTED STREAM DESIGNATION PROCEDURE

72.50(455B)	Protected streams
72.51(455B)	Protected stream designation procedure
72.52(455B)	Protected stream declassification procedure

CHAPTER 73

USE, MAINTENANCE, REMOVAL, INSPECTIONS, AND SAFETY OF DAMS

DIVISION I
USE AND MAINTENANCE OF DAMS

73.1(109,455B)	Operating plan for dams with movable structures
73.2(109,455B)	Raising or lowering of impoundment levels
73.3 to 73.9	Reserved

DIVISION II
ABANDONMENT AND REMOVAL OF DAMS

73.10(109,455B)	Abandonment prohibited
73.11(109,455B)	Removal of dams
73.12 to 73.19	Reserved

DIVISION III
INSPECTION OF DAMS

73.20(109,455B)	Scope and purposes of dam safety inspection program
73.21(109,455B)	Types of inspections; when inspections are made
73.22(109,455B)	Duty of dam owner to maintain, investigate, inspect and report
73.23(109,455B)	Special inspections and investigations
73.24(109,455B)	Inspection by others
73.25(109,455B)	Access for inspections a condition of construction approval
73.26(109,455B)	Inspection reports
73.27 to 73.29	Reserved

DIVISION IV
DESIGNATION OF UNSAFE DAMS

73.30(109,455B)	Procedures for designation of a dam as unsafe
73.31(109,455B)	Criteria for designating a dam as unsafe
73.32(109,455B)	Agency action concerning an unsafe dam

CHAPTER 74

Reserved

CHAPTER 75

MANAGEMENT OF SPECIFIC FLOOD PLAIN AREAS

- 75.1(455B) Applicability and purposes of chapter
- 75.2(455B) Flooding characteristics
- 75.3(455B) Area of regulation
- 75.4(455B) Establishment of a floodway
- 75.5(455B) Minimum standards for flood plain and floodway uses
- 75.6(455B) Preexisting nonconforming development and associated uses
- 75.7(335,414,455B) Delegation of authority to local governments by approval of local regulations
- 75.8(335,414,455B) Review and approval of variances from local regulations
- 75.9(335,414,455B) Notice of proposed department flood plain management order or proposed local flood plain regulation

CHAPTER 76

FEDERAL WATER RESOURCE PROJECTS

- 76.1(455B) Referral of federal project
- 76.2(455B) Solicitation of comments
- 76.3(455B) Hearing
- 76.4(455B) Formulation of comments
- 76.5(455B) Transmittal of comments
- 76.6(455B) Other coordination

CHAPTERS 77 to 79

Reserved

TITLE VI

CERTIFICATION OF OPERATORS

CHAPTER 80

Reserved

CHAPTER 81

OPERATOR CERTIFICATION: PUBLIC WATER SUPPLY SYSTEMS
AND WASTEWATER TREATMENT SYSTEMS

- 81.1(455B) Definitions
- 81.2(455B) General
- 81.3(455B) Wastewater treatment plant grades
- 81.4(455B) Water treatment plant grades
- 81.5(455B) Water distribution system grades
- 81.6(455B) Grade A classification
- 81.7(455B) Operator education and experience qualifications
- 81.8(455B) Certification and examination fees
- 81.9(455B) Examinations
- 81.10(455B) Certification by examination
- 81.11(455B) Certification by reciprocity
- 81.12(455B) Restricted and temporary certification
- 81.13(455B) Certification renewal
- 81.14(455B,272C) Continuing education
- 81.15(455B) Upgrading of certificates
- 81.16(455B) Operator by affidavit
- 81.17(455B,272C) Disciplinary actions

CHAPTER 82
WELL CONTRACTOR CERTIFICATION

82.1(455B)	Definitions
82.2(455B)	General
82.3(455B)	Classification of well contractors
82.4 and 82.5	Reserved
82.6(455B)	Experience requirements
82.7(455B)	Certification and examination fees
82.8(455B)	Examinations
82.9(455B)	Certification by examination
82.10(455B)	Certification renewal
82.11(455B)	Continuing education
82.12(455B)	Certified well contractor obligations
82.13(455B)	Disciplinary actions
82.14(455B,272C)	Revocation of certificates

CHAPTER 83
LABORATORY CERTIFICATION

PART A
GENERAL

83.1(455B)	Authority, purpose, and applicability
83.2(455B)	Definitions

PART B
CERTIFICATION PROCESS

83.3(455B)	Application for laboratory certification
83.4(455B)	Procedure for initial certification for laboratories analyzing solid waste and contaminated site program parameters
83.5(455B)	Procedures for certification of new laboratories or changes in certification
83.6(455B)	Laboratory recertification
83.7(455B)	Criteria and procedure for provisional, suspended, and revoked laboratory certification

CHAPTERS 84 to 89
Reserved

TITLE VII
WATER POLLUTION CONTROL STATE REVOLVING FUND

CHAPTER 90
SCOPE OF TITLE — DEFINITIONS — FORMS

90.1(455B)	Scope of title
90.2(455B)	Definitions
90.3(455B)	Forms

CHAPTER 91
CRITERIA FOR RATING AND RANKING PROJECTS
FOR THE WATER POLLUTION CONTROL STATE REVOLVING FUND

91.1(455B)	Statutory authority
91.2(455B)	Scope of title
91.3(455B)	Purpose
91.4 and 91.5	Reserved
91.6(455B)	General information—priority rating system
91.7	Reserved
91.8(455B)	Project priority rating system

CHAPTER 92

CLEAN WATER STATE REVOLVING FUND

92.1(455B)	Statutory authority
92.2(455B)	Scope of title
92.3	Reserved
92.4(455B)	General policy
92.5	Reserved
92.6(455B)	Intended use plan management
92.7(455B)	Point source project procedures
92.8(455B)	Point source project requirements

CHAPTER 93

NONPOINT SOURCE POLLUTION CONTROL SET-ASIDE PROGRAMS

93.1(455B,466)	Statutory authority
93.2(455B,466)	Scope of title
93.3(455B,466)	Purpose
93.4(455B,466)	Onsite wastewater system assistance program
93.5(455B)	Livestock water quality facilities requirements
93.6(455B)	Local water protection project requirements
93.7(455B)	General nonpoint source project requirements

CHAPTERS 94 to 99

Reserved

TITLE VIII

*SOLID WASTE MANAGEMENT
AND DISPOSAL*

CHAPTER 100

SCOPE OF TITLE — DEFINITIONS — FORMS — RULES OF PRACTICE

100.1(455B,455D)	Scope of title
100.2(455B,455D)	Definitions
100.3(17A,455B)	Forms and rules of practice
100.4(455B)	General conditions of solid waste disposal
100.5(455B)	Disruption and excavation of sanitary landfills or closed dumps

CHAPTER 101

SOLID WASTE COMPREHENSIVE PLANNING REQUIREMENTS

101.1(455B,455D)	Purpose
101.2(455B,455D)	Definitions
101.3(455B,455D)	Waste management hierarchy
101.4(455B,455D)	Duties of cities and counties
101.5(455B,455D)	Contracts with permitted agencies
101.6(455B,455D)	State volume reduction and recycling goals
101.7(455B,455D)	Base year adjustment method
101.8(455B,455D)	Submittal of initial comprehensive plans and comprehensive plan updates
101.9(455B,455D)	Review of initial comprehensive plans and comprehensive plan updates
101.10(455B,455D)	Municipal solid waste and recycling survey
101.11(455B,455D)	Online database
101.12(455B,455D)	Solid waste comprehensive plan types
101.13(455B,455D)	Types of comprehensive plan submittals to be filed
101.14(455B,455D)	Fees for disposal of solid waste at sanitary landfills

CHAPTER 102
PERMITS

102.1(455B)	Permit required
102.2(455B)	Types of permits
102.3(455B)	Applications for permits
102.4(455B)	Preparation of plans
102.5(455B)	Construction and operation
102.6(455B)	Compliance with rule changes
102.7(455B)	Amendments
102.8(455B)	Transfer of title and permit
102.9(455B)	Permit conditions
102.10(455B)	Effect of revocation
102.11(455B)	Inspection prior to start-up
102.12(455B)	Primary plan requirements for all sanitary disposal projects
102.13(455B)	Operating requirements for all sanitary disposal projects
102.14(455B)	Emergency response and remedial action plans

CHAPTER 103
SANITARY LANDFILLS: COAL COMBUSTION RESIDUE

103.1(455B)	Coal combustion residue landfills
103.2(455B)	Emergency response and remedial action plans
103.3(455B)	Coal combustion residue sanitary landfill financial assurance

CHAPTER 104
SANITARY DISPOSAL PROJECTS WITH PROCESSING FACILITIES

104.1(455B)	Scope and applicability
104.2(455B)	Dumping or holding floors or pits
104.3(455B)	Compaction equipment
104.4(455B)	Hammermills
104.5(455B)	Hydropulping or slurring equipment
104.6(455B)	Air classifiers
104.7(455B)	Metals separation equipment
104.8(455B)	Sludge processing
104.9(455B)	Storage containers and facilities
104.10(455B)	Operating requirements for all processing facilities
104.11(455B)	Closure requirements
104.12 to 104.20	Reserved
104.21(455B)	Specific design requirements
104.22(455B)	Specific operating requirements for all recycling operations
104.23(455B)	Recycling operations processing paper, cans, and bottles
104.24(455B)	Closure requirements
104.25(455B)	Operator certification
104.26(455D)	Financial assurance for solid waste processing facilities

CHAPTER 105
ORGANIC MATERIALS COMPOSTING FACILITIES

105.1(455B,455D)	General
105.2(455B,455D)	Exemptions
105.3(455B,455D)	General requirements for all composting facilities not exempt pursuant to 105.2(455B,455D)
105.4(455B,455D)	Specific requirements for yard waste composting facilities
105.5(455B,455D)	Small composting facilities receiving off-premises materials
105.6(455B,455D)	Specific requirements for composting of dead farm animals

- 105.7(455B,455D) Permit requirements for solid waste composting facilities
- 105.8(455B,455D) Permit application requirements for solid waste composting facilities
- 105.9(455B,455D) Specific operating requirements for permitted solid waste composting facilities
- 105.10(455B,455D) Operator certification for permitted solid waste composting facilities
- 105.11(455B,455D) Record-keeping requirements for solid waste composting facilities
- 105.12(455B,455D) Reporting requirements for solid waste composting facilities
- 105.13(455B,455D) Closure requirements for solid waste composting facilities
- 105.14(455B,455D) Composting facility financial assurance
- 105.15(455B,455D) Variances

CHAPTER 106

CITIZEN CONVENIENCE CENTERS AND TRANSFER STATIONS

- 106.1(455B) Compliance
- 106.2(455B,455D) Definitions
- 106.3(455B) Citizen convenience center and transfer station permits
- 106.4(455B) Citizen convenience center permit application requirements
- 106.5(455B) Citizen convenience center operations
- 106.6(455B,455D) Citizen convenience center reporting requirements
- 106.7(455B) Citizen convenience center closure requirements
- 106.8(455B) Transfer station permit application requirements
- 106.9(455B) Transfer station siting and location requirements
- 106.10(455B) Transfer station design standards
- 106.11(455B) Transfer station operating requirements
- 106.12(455B) Temporary solid waste storage at transfer stations
- 106.13(455B,455D) Transfer station record-keeping requirements
- 106.14(455B,455D) Transfer station reporting requirements
- 106.15(455B) Solid waste transport vehicle construction and maintenance requirements
- 106.16(455B) Solid waste transport vehicle operation requirements
- 106.17(455B) Transfer station closure requirements
- 106.18(455B) Citizen convenience center and transfer station financial assurance
- 106.19(455B) Emergency response and remedial action plans

CHAPTER 107

BEVERAGE CONTAINER DEPOSITS

- 107.1(455C) Scope
- 107.2(455C) Definitions
- 107.3(455C) Labeling requirements
- 107.4(455C) Redemption centers
- 107.5(455C) Redeemed containers—use
- 107.6 Reserved
- 107.7(455C) Redeemed containers must be reasonably clean
- 107.8(455C) Interpretive rules
- 107.9(455C) Pickup and acceptance of redeemed containers
- 107.10(455C) Dealer agent lists
- 107.11(455C) Refund value stated on containers—exceptions
- 107.12(455C) Education
- 107.13(455C) Refusing payment when a distributor discontinues a specific beverage product
- 107.14(455C) Payment of refund value
- 107.15(455C) Sales tax on deposits

CHAPTER 108

BENEFICIAL USE DETERMINATIONS:

SOLID BY-PRODUCTS AS RESOURCES AND ALTERNATIVE COVER MATERIAL

- 108.1(455B,455D) Purpose
- 108.2(455B,455D) Applicability and compliance
- 108.3(455B,455D) Definitions
- 108.4(455B,455D) Universally approved beneficial use determinations
- 108.5(455B,455D) Application requirements for beneficial use determinations other than alternative cover material
- 108.6(455B,455D) Requirements for beneficial uses other than alternative cover material
- 108.7(455B,455D) Record-keeping and reporting requirements for beneficial use projects other than alternative cover material
- 108.8(455B,455D) Universally approved beneficial use determinations for alternative cover material
- 108.9(455B,455D) Beneficial use determination application requirements for alternative cover material
- 108.10(455B,455D) Beneficial use of alternative cover material and state goal progress
- 108.11(455B,455D) Revocation of beneficial use determinations

CHAPTER 109

SPECIAL WASTE AUTHORIZATIONS

- 109.1(455B,455D) Purpose
- 109.2(455B,455D) Special waste authorization required
- 109.3(455B,455D) Definitions
- 109.4 Reserved
- 109.5(455B,455D) Applications
- 109.6(455B,455D) Restrictions
- 109.7(455B,455D) Landfill responsibilities
- 109.8(455B,455D) Special waste generator responsibilities
- 109.9(455B,455D) Infectious waste
- 109.10(455B,455D) Other special wastes
- 109.11(455B,455D) Conditions and requirements for the disposal of general special wastes

CHAPTER 110

Reserved

CHAPTER 111

ANNUAL REPORTS OF SOLID WASTE ENVIRONMENTAL MANAGEMENT SYSTEMS

- 111.1(455J) Purpose
- 111.2(455J) Role of the department
- 111.3(455J) Applicability
- 111.4(455J) Definitions
- 111.5(455J) Submittal of annual reports
- 111.6(455J) Contents of annual reports
- 111.7(455J) Evaluation criteria
- 111.8(455J) Evaluation outcomes

CHAPTER 112

Reserved

CHAPTER 113
SANITARY LANDFILLS FOR MUNICIPAL
SOLID WASTE: GROUNDWATER PROTECTION SYSTEMS FOR THE DISPOSAL OF
NONHAZARDOUS WASTES

113.1(455B)	Purpose
113.2(455B)	Applicability and compliance
113.3(455B)	Definitions
113.4(455B)	Permits
113.5(455B)	Permit application requirements
113.6(455B)	Siting and location requirements for MSWLFs
113.7(455B)	MSWLF unit design and construction standards
113.8(455B)	Operating requirements
113.9(455B)	Environmental monitoring and corrective action requirements for air quality and landfill gas
113.10(455B)	Environmental monitoring and corrective action requirements for groundwater and surface water
113.11(455B,455D)	Record-keeping and reporting requirements
113.12(455B)	Closure criteria
113.13(455B)	Postclosure care requirements
113.14(455B)	Municipal solid waste landfill financial assurance
113.15(455B,455D)	Variances

CHAPTER 114
SANITARY LANDFILLS: CONSTRUCTION AND DEMOLITION WASTES

114.1(455B)	Scope and applicability
114.2(455B)	Permit required
114.3(455B)	Types of permits
114.4(455B)	Applications for permits
114.5(455B)	Preparation of plans
114.6(455B)	Construction and operation
114.7(455B)	Compliance with rule changes
114.8(455B)	Amendments
114.9(455B)	Transfer of title and permit
114.10(455B)	Permit conditions
114.11(455B)	Effect of revocation
114.12(455B)	Inspection prior to start-up
114.13(455B)	Primary plan requirements for all sanitary disposal projects
114.14(455B)	Hydrologic monitoring system planning requirements
114.15(455B)	Soil investigation
114.16(455B)	Hydrogeologic investigation
114.17(455B)	Hydrologic monitoring system planning report requirements
114.18(455B)	Evaluation of hydrogeologic conditions
114.19(455B)	Monitoring system plan
114.20(455B)	Sampling protocol
114.21(455B)	Monitoring well maintenance and performance reevaluation plan
114.22(455B)	Monitoring well siting requirements
114.23(455B)	Monitoring well/soil boring construction standards
114.24(455B)	Sealing abandoned wells and boreholes
114.25(455B)	Variance from design, construction, and operation standards
114.26(455B)	General requirements for all sanitary landfills
114.27(455B)	Operating requirements for all sanitary disposal projects

- 114.28(455B) Specific requirements for a sanitary landfill proposing to accept only construction and demolition waste
- 114.29(455B) Operator certification
- 114.30(455B) Emergency response and remedial action plans
- 114.31(455B) Construction and demolition wastes sanitary landfill financial assurance

CHAPTER 115

SANITARY LANDFILLS: INDUSTRIAL MONOFILLS

- 115.1(455B) Scope and applicability
- 115.2(455B) Permit required
- 115.3(455B) Types of permits
- 115.4(455B) Applications for permits
- 115.5(455B) Preparation of plans
- 115.6(455B) Construction and operation
- 115.7(455B) Compliance with rule changes
- 115.8(455B) Amendments
- 115.9(455B) Transfer of title and permit
- 115.10(455B) Permit conditions
- 115.11(455B) Effect of revocation
- 115.12(455B) Inspection prior to start-up
- 115.13(455B) Primary plan requirements for all sanitary disposal projects
- 115.14(455B) Hydrologic monitoring system planning requirements
- 115.15(455B) Soil investigation
- 115.16(455B) Hydrogeologic investigation
- 115.17(455B) Hydrologic monitoring system planning report requirements
- 115.18(455B) Evaluation of hydrogeologic conditions
- 115.19(455B) Monitoring system plan
- 115.20(455B) Sampling protocol
- 115.21(455B) Monitoring well maintenance and performance reevaluation plan
- 115.22(455B) Monitoring well siting requirements
- 115.23(455B) Monitoring well/soil boring construction standards
- 115.24(455B) Sealing abandoned wells and boreholes
- 115.25(455B) Variance from design, construction, and operation standards
- 115.26(455B) General requirements for all sanitary landfills
- 115.27(455B) Operating requirements for all sanitary disposal projects
- 115.28(455B) Specific requirements for a sanitary landfill proposing to accept a specific type of solid waste
- 115.29(455B) Operator certification
- 115.30(455B) Emergency response and remedial action plans
- 115.31(455B) Industrial monofill sanitary landfill financial assurance

CHAPTER 116

REGISTRATION OF WASTE TIRE HAULERS

- 116.1(455B,455D) Purpose
- 116.2(455B,455D) Definitions
- 116.3(455B,455D) Registration requirement
- 116.4(455B,455D) Registration form
- 116.5(455B,455D) Registration fee
- 116.6(455B,455D) Bond form
- 116.7(455B,455D) Marking of equipment
- 116.8(455B,455D) Disposition of waste tires collected
- 116.9(455B,455D) Reporting requirements

CHAPTER 117
WASTE TIRE MANAGEMENT

- 117.1(455B,455D) Purpose
- 117.2(455B,455D) Definitions
- 117.3(455B,455D) Waste tire disposal
- 117.4(455B,455D) Waste tire storage permits and requirements
- 117.5(455B,455D) Used tire storage
- 117.6(455B,455D) Waste tire processing facility permits and requirements
- 117.7(455B,455D) Financial assurance for waste tire sites
- 117.8(455B,455D) Beneficial uses of waste tires

CHAPTER 118
DISCARDED APPLIANCE DEMANUFACTURING

- 118.1(455B,455D) Purpose
- 118.2(455B,455D) Applicability and compliance
- 118.3(455B,455D) Definitions
- 118.4(455B,455D) Storage and handling of appliances prior to demanufacturing
- 118.5(455B,455D) Appliance demanufacturing permits
- 118.6(455B,455D) Appliance demanufacturing permit application requirements
- 118.7(455B,455D) Fixed facilities and mobile operations
- 118.8(455B,455D) Training
- 118.9(455B,455D) Refrigerant removal requirements
- 118.10(455B,455D) Mercury-containing component removal and disposal requirements
- 118.11(455B,455D) Capacitor removal requirements
- 118.12(455B,455D) Spills
- 118.13(455B,455D) Record keeping and reporting
- 118.14(455B,455D) Appliance demanufacturing facility closure requirements
- 118.15(455B,455D) Shredding of appliances
- 118.16(455B,455D) Appliance demanufacturing facility financial assurance requirements

CHAPTER 119
USED OIL AND USED OIL FILTERS

- 119.1(455D,455B) Authority, purpose, and applicability
- 119.2(455D,455B) Definitions
- 119.3(455D,455B) Prohibited disposal
- 119.4(455D,455B) Operational requirements for acceptance of used oil
- 119.5(455D,455B) Operational requirements for acceptance of used oil filters
- 119.6(455D,455B) Oil retailer requirements
- 119.7(455D,455B) Oil filter retailer requirements
- 119.8(455D,455B) Tanks
- 119.9(455D,455B) Locating collection sites

CHAPTER 120
LANDFARMING OF PETROLEUM CONTAMINATED SOIL

- 120.1(455B) Purpose
- 120.2(455B) Applicability and compliance
- 120.3(455B) Definitions
- 120.4(455B) Landfarming permits
- 120.5(455B) Landfarm permit application requirements
- 120.6(455B) PCS analysis and characterization
- 120.7(455B) Site exploration and suitability requirements for landfarms
- 120.8(455B) Landfarm design requirements
- 120.9(455B) Landfarm operating requirements

- 120.10(455B) Emergency response and remedial action plans
- 120.11(455B) Reporting and record-keeping requirements
- 120.12(455B) Landfarm closure
- 120.13(455B,455D) Financial assurance requirements for multiuse and single-use landfarms

CHAPTER 121

LAND APPLICATION OF WASTES

- 121.1(455B,17A) Scope of title
- 121.2(455B) Definitions
- 121.3(455B) Application for permits and forms
- 121.4(455B) Land application of solid wastes
- 121.5(455B) Land application of solid wastes for home and certain crop use
- 121.6(455B) Permit exemptions
- 121.7(455B) Permit requirements
- 121.8(455B,455D) Financial assurance requirements for land application of wastes

CHAPTER 122

CATHODE RAY TUBE DEVICE RECYCLING

- 122.1(455B,455D) Purpose
- 122.2(455B,455D) Applicability and compliance
- 122.3(455B,455D) Definitions
- 122.4(455B,455D) CRT recycling permits
- 122.5(455B,455D) Registration for CRT collection facilities
- 122.6(455B,455D) CRT collection and storage requirements for registered collection points
- 122.7(455B,455D) Record-keeping requirements for CRT collection facilities
- 122.8(455B,455D) CRT recycling facility permit application requirements
- 122.9(455B,455D) Site requirements for CRT recycling facilities
- 122.10(455B,455D) Design requirements for CRT recycling facilities
- 122.11(455B,455D) Operational requirements for permitted CRT recycling facilities
- 122.12(455B,455D) Further requirements for batteries for CRT recycling facilities
- 122.13(455B,455D) Further requirements for circuit boards for CRT recycling facilities
- 122.14(455B,455D) Further requirements for CRTs for CRT recycling facilities
- 122.15(455B,455D) Further requirements for removal and disposal of mercury-containing components for CRT recycling facilities
- 122.16(455B,455D) Further requirements for removal and disposal of PCB capacitors for CRT recycling facilities
- 122.17(455B,455D) Spills and releases at CRT recycling facilities
- 122.18(455B,455D) CRT recycling facilities that shred CRTs
- 122.19(455B,455D) Storage requirements for CRT recycling facilities
- 122.20(455B,455D) ERRAP requirements for CRT recycling facilities
- 122.21(455B,455D) Training requirements for CRT recycling facilities
- 122.22(455B,455D) Reporting requirements for CRT recycling facilities
- 122.23(455B,455D) Record-keeping requirements for CRT recycling facilities
- 122.24(455B,455D) Closure requirements for CRT recycling facilities
- 122.25(455B,455D) Financial assurance requirements for cathode ray tube (CRT) recycling facilities

CHAPTER 123

REGIONAL COLLECTION CENTERS AND
MOBILE UNIT COLLECTION AND CONSOLIDATION CENTERS

- 123.1(455B,455D,455F) Purpose
- 123.2(455B,455D,455F) Definitions
- 123.3(455B,455D,455F) Requirements for satellite facilities

- 123.4(455B,455D,455F) Regional collection center and mobile unit collection and consolidation center permits
- 123.5(455B,455D,455F) Permit application requirements for regional collection centers
- 123.6(455B,455D,455F) Permit application requirements for mobile unit collection and consolidation centers
- 123.7(455B,455D,455F) Site selection
- 123.8(455B,455D,455F) Structures
- 123.9(455B,455D,455F) Staff qualifications
- 123.10(455B,455D,455F) Plans and procedures
- 123.11(455B,455D,455F) Emergency response and remedial action plans
- 123.12(455B,455D,455F) Reporting requirements
- 123.13(455B,455D,455F) Financial assurance requirements for regional collection centers and mobile unit collection and consolidation centers

CHAPTERS 124 to 129

Reserved

TITLE IX

SPILLS AND HAZARDOUS CONDITIONS

CHAPTER 130

Reserved

CHAPTER 131

NOTIFICATION OF HAZARDOUS CONDITIONS

- 131.1(455B) Definitions
- 131.2(455B) Report of hazardous conditions

CHAPTER 132

Reserved

CHAPTER 133

RULES FOR DETERMINING

CLEANUP ACTIONS AND RESPONSIBLE PARTIES

- 133.1(455B,455E) Scope
- 133.2(455B,455E) Definitions
- 133.3(455B,455E) Documentation of contamination and source
- 133.4(455B,455E) Response to contamination
- 133.5(455B,455E) Report to commission
- 133.6(455B) Compensation for damages to natural resources

CHAPTER 134

UNDERGROUND STORAGE TANK LICENSING AND CERTIFICATION PROGRAMS

PART A

CERTIFICATION OF GROUNDWATER PROFESSIONALS

- 134.1(455G) Definition
- 134.2(455G) Certification requirements
- 134.3(455G) Certification procedure
- 134.4(455G) Suspension, revocation and denial of certification
- 134.5(455G) Penalty

PART B

CERTIFICATION OF UST COMPLIANCE INSPECTORS

- 134.6(455B) Definition
- 134.7(455B) Certification requirements for UST compliance inspectors

- 134.8(455B) Temporary certification
- 134.9(455B) Application for inspector certification
- 134.10(455B) Training and certification examination
- 134.11(455B) Renewal of certification
- 134.12(455B) Professional liability insurance requirements
- 134.13(455B) Licensed company
- 134.14(455B) Compliance inspection
- 134.15(455B) Disciplinary actions
- 134.16(455B) Revocation of inspector certification or company license

PART C
LICENSING OF UST PROFESSIONALS

- 134.17(455B) Definitions
- 134.18(455B) Applicability of Part C
- 134.19(455B) General licensing requirements
- 134.20(455B) License renewal procedures
- 134.21(455B) Conflict of interest
- 134.22(455B) Duty to report
- 134.23(455B) OSHA safety requirements
- 134.24(455B) Installers
- 134.25(455B) Testers
- 134.26(455B) Liners
- 134.27(455B) Installation inspectors
- 134.28(455B) Removers
- 134.29(455B) Disciplinary actions

CHAPTER 135
TECHNICAL STANDARDS AND CORRECTIVE ACTION REQUIREMENTS FOR
OWNERS AND OPERATORS OF UNDERGROUND STORAGE TANKS

- 135.1(455B) Authority, purpose and applicability
- 135.2(455B) Definitions
- 135.3(455B) UST systems—design, construction, installation and notification
- 135.4(455B) General operating requirements
- 135.5(455B) Release detection
- 135.6(455B) Release reporting, investigation, and confirmation
- 135.7(455B) Release response and corrective action for UST systems containing petroleum or hazardous substances
- 135.8(455B) Risk-based corrective action
- 135.9(455B) Tier 1 site assessment policy and procedure
- 135.10(455B) Tier 2 site assessment policy and procedure
- 135.11(455B) Tier 3 site assessment policy and procedure
- 135.12(455B) Tier 2 and 3 site classification and corrective action response
- 135.13(455B) Public participation
- 135.14(455B) Action levels
- 135.15(455B) Out-of-service UST systems and closure
- 135.16(455B) Laboratory analytical methods for petroleum contamination of soil and water
- 135.17(455B) Evaluation of ability to pay
- 135.18(455B) Transitional rules
- 135.19(455B) Analyzing for methyl tertiary-butyl ether (MTBE) in soil and groundwater samples
- 135.20(455B) Compliance inspection of UST system

CHAPTER 136

FINANCIAL RESPONSIBILITY FOR UNDERGROUND STORAGE TANKS

136.1(455B)	Applicability
136.2	Reserved
136.3(455B)	Definition of terms
136.4(455B)	Amount and scope of required financial responsibility
136.5(455B)	Allowable mechanisms and combinations of mechanisms
136.6(455B)	Financial test of self-insurance
136.7(455B)	Guarantee
136.8(455B)	Insurance and risk retention group coverage
136.9(455B)	Surety bond
136.10(455B)	Letter of credit
136.11(455B)	Trust fund
136.12(455B)	Standby trust fund
136.13(455B)	Local government bond rating test
136.14(455B)	Local government financial test
136.15(455B)	Local government guarantee
136.16(455B)	Local government fund
136.17(455B)	Substitution of financial assurance mechanisms by owner or operator
136.18(455B)	Cancellation or nonrenewal by a provider of financial assurance
136.19(455B)	Reporting by owner or operator
136.20(455B)	Record keeping
136.21(455B)	Drawing on financial assurance mechanisms
136.22(455B)	Release from the requirements
136.23(455B)	Bankruptcy or other incapacity of owner or operator or provider of financial assurance
136.24(455B)	Replenishment of guarantees, letters of credit, or surety bonds

CHAPTER 137

IOWA LAND RECYCLING PROGRAM AND
RESPONSE ACTION STANDARDS

137.1(455H)	Authority, purpose and applicability
137.2(455H)	Definitions
137.3(455H)	Enrollment in land recycling program
137.4(455H)	Background standards
137.5(455H)	Statewide standards
137.6(455H)	Site-specific standards
137.7(455H)	Institutional and technological controls
137.8(455H)	Site assessment
137.9(455H)	Risk evaluation/response action
137.10(455H)	Demonstration of compliance
137.11(455H)	No further action classification

CHAPTERS 138 and 139

Reserved

TITLE X
HAZARDOUS WASTE

CHAPTERS 140 to 143

Reserved

CHAPTER 144
HOUSEHOLD HAZARDOUS MATERIALS

- 144.1(455F) Scope
- 144.2(455F) Definitions
- 144.3(455F) Household hazardous materials
- 144.4(455F) Sign requirements
- 144.5(455F) Consumer information material

CHAPTER 145
HOUSEHOLD BATTERIES

- 145.1(455B,455D) Scope
- 145.2(455B,455D) Definitions
- 145.3(455B,455D) Household batteries
- 145.4(455B,455D) Recycling/disposal requirements for household batteries
- 145.5(455B,455D) Exemptions for batteries used in rechargeable consumer products

CHAPTERS 146 to 148
Reserved

CHAPTER 149
FEES FOR TRANSPORTATION, TREATMENT AND DISPOSAL OF
HAZARDOUS WASTE

- 149.1(455B) Authority, purpose and applicability
- 149.2 Reserved
- 149.3(455B) Exclusions and effect on other fees
- 149.4(455B) Fee schedule
- 149.5(455B) Form, manner, time and place of filing
- 149.6(455B) Identification, sampling and analytical requirements
- 149.7(455B) Reporting and record keeping
- 149.8(455B) Failure to pay fees
- 149.9(455B) Suspension of fees

CHAPTERS 150 and 151
Reserved

CHAPTER 152
CRITERIA FOR SITING LOW-LEVEL RADIOACTIVE
WASTE DISPOSAL FACILITIES

- 152.1(455B) Authority, purpose and scope
- 152.2(455B) Definitions
- 152.3(455B) Siting criteria

CHAPTERS 153 to 208
Reserved

TITLE XI
WASTE MANAGEMENT AUTHORITY

CHAPTER 209
SOLID WASTE ALTERNATIVES PROGRAM

- 209.1(455B,455E) Goal
- 209.2(455B,455E) Purpose
- 209.3(455B,455E) Definitions
- 209.4(455B,455E) Role of the department of natural resources
- 209.5(455B,455E) Funding sources

- 209.6(455B,455E) Eligible projects
- 209.7(455B,455E) Type of financial assistance
- 209.8(455B,455E) Loans
- 209.9(455B,455E) Reduced award
- 209.10(455B,455E) Fund disbursement limitations
- 209.11(455B,455E) Minimum applicant cost share
- 209.12(455B,455E) Eligible costs
- 209.13(455B,455E) Ineligible costs
- 209.14(455B,455E) Selection criteria
- 209.15(455B,455E) Written agreement
- 209.16(455B,455E) Proposals
- 209.17(455B,455E) Financial assistance denial
- 209.18(455B,455E) Amendments

CHAPTER 210

Reserved

CHAPTER 211

FINANCIAL ASSISTANCE FOR THE COLLECTION OF HOUSEHOLD HAZARDOUS
MATERIALS AND HAZARDOUS WASTE FROM CONDITIONALLY EXEMPT SMALL
QUANTITY GENERATORS

- 211.1(455F) Purpose
- 211.2(455F) Definitions
- 211.3(455F) Role of the department
- 211.4(455F) Funding sources
- 211.5(455F) Eligible costs
- 211.6(455F) Ineligible costs
- 211.7(455F) Criteria for the selection of an RCC establishment grant
- 211.8(455F) Grant denial
- 211.9(455F) RCC and MUCCC household hazardous material disposal funding

CHAPTER 212

Reserved

CHAPTER 213

PACKAGING—HEAVY METAL CONTENT

- 213.1(455D) Purpose
- 213.2(455D) Applicability
- 213.3(455D) Definitions
- 213.4(455D) Prohibition—schedule for removal of incidental amounts
- 213.5(455D) Certification of compliance
- 213.6(455D) Exemptions
- 213.7(455D) Inspection and penalties

CHAPTER 214

HOUSEHOLD HAZARDOUS MATERIALS PROGRAM

- 214.1(455F) Scope
- 214.2(455F) Goal
- 214.3(455F) Definitions
- 214.4(455F) Role of the department of natural resources
- 214.5(455F) Funding sources
- 214.6(455F) Household hazardous materials education
- 214.7(455F) HHM education grants

- 214.8(455F) Selection of TCD event host
- 214.9(455F) TCD events
- 214.10(455F) Selection of hazardous waste contractor

CHAPTER 215

MERCURY-ADDED SWITCH RECOVERY FROM END-OF-LIFE VEHICLES

- 215.1(455B) Purpose
- 215.2(455B) Compliance
- 215.3(455B) Definitions
- 215.4(455B) Plans for removal, collection, and recovery of mercury-added vehicle switches
- 215.5(455B) Proper management of mercury-added vehicle switches
- 215.6(455B) Public notification
- 215.7(455B) Reporting
- 215.8(455B) State procurement
- 215.9(455B) Future repeal of mercury-free recycling Act—implementation of national program