

**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

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)	Annual Title V emissions inventory
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  
FEES

- 30.1(455B) Purpose
- 30.2(455B) Fees associated with new source review applications
- 30.3(455B) Fees associated with asbestos demolition or renovation notification
- 30.4(455B) Fees associated with Title V operating permits
- 30.5(455B) Fee advisory groups
- 30.6(455B) Process to establish or adjust fees and notification of fee rates
- 30.7(455B) Fee revenue

CHAPTER 31  
NONATTAINMENT AREAS

- 31.1(455B) Permit requirements relating to nonattainment areas
- 31.2 Reserved
- 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

## 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 level (MCL), treatment technique (TT), 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(455B)	Groundwater rule: sanitary survey, microbial source water monitoring, treatment technique
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)	Lead consumer notice and 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 <i>Cryptosporidium</i>
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
- 63.15(455B) Other 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 and incorporation by reference
- 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 floodplain
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(459A)	Definitions and incorporation by reference
65.101(459A)	Minimum open feedlot effluent control requirements and reporting of releases
65.102(459A)	Concentrated animal feeding operations; NPDES permits
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
65.115 to 65.199	Reserved

DIVISION III  
ANIMAL TRUCK WASH FACILITIES

65.200(459,459A)	Definitions and incorporation by reference
65.201(459A)	Minimum animal truck wash effluent control requirements and reporting of releases
65.202(459,459A)	Construction permits
65.203(459A)	Construction
65.204(459A)	Construction permit application
65.205(459A)	Water well separation distances for animal truck wash facilities
65.206(459A)	Unformed animal truck wash effluent structure—investigation, design and construction requirements
65.207(459A)	Construction certification
65.208(459A)	Nutrient management plan requirements

- 65.209(459A) Complaint investigations
- 65.210(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 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 Reserved
- 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 Reserved
- 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 and 101.11 Reserved
- 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 567—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

*SPIILLS 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

CHAPTER 209  
LANDFILL ALTERNATIVES FINANCIAL ASSISTANCE PROGRAMS

209.1(455B,455E)	Goal
209.2(455B,455E)	Purpose
209.3(455B,455E)	Definitions
209.4(455B,455E)	Role of the department
209.5(455B,455E)	Funding sources
209.6(455B,455E)	Reduced award
209.7(455B,455E)	Fund disbursement limitations
209.8(455B,455E)	Minimum cost share
209.9(455B,455E)	Denial of financial assistance
209.10(455B,455E)	Eligible costs
209.11(455B,455E)	Ineligible costs
209.12(455B,455E)	Applications
209.13(455B,455E)	Selection
209.14(455B,455E)	Written agreement
209.15(455B,455E)	Solid waste alternatives program
209.16(455B,455E)	Derelict building grant program

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