

## **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  
 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 NOx annual trading program general provisions  
 34.202(455B) CAIR designated representative for CAIR NOx sources  
 34.203(455B) Permits  
 34.204 Reserved  
 34.205(455B) CAIR NOx allowance allocations  
 34.206(455B) CAIR NOx allowance tracking system  
 34.207(455B) CAIR NOx allowance transfers  
 34.208(455B) Monitoring and reporting  
 34.209(455B) CAIR NOx opt-in units  
 34.210(455B) CAIR SO2 trading program  
 34.211 to 34.219 Reserved  
 34.220(455B) CAIR NOx ozone season trading program  
 34.221(455B) CAIR NOx ozone season trading program general provisions  
 34.222(455B) CAIR designated representative for CAIR NOx ozone season sources  
 34.223(455B) CAIR NOx ozone season permits  
 34.224 Reserved  
 34.225(455B) CAIR NOx ozone season allowance allocations  
 34.226(455B) CAIR NOx ozone season allowance tracking system  
 34.227(455B) CAIR NOx ozone season allowance transfers  
 34.228(455B) CAIR NOx ozone season monitoring and reporting  
 34.229(455B) CAIR NOx 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 <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 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 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