

## **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 permitting authority at local public works departments

- 9.5(455B) Criteria for permitting authority at rural water systems
- 9.6(455B) No variance allowed
- 9.7(455B) Criteria for rescission or revocation of delegated permitting 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 *Cryptosporidium*
- 43.12(455B) Optimization goals

CHAPTER 44  
DRINKING WATER STATE REVOLVING FUND

- 44.1(455B) Statutory authority
- 44.2(455B) Scope of title



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

## CHAPTERS 45 to 48

Reserved

## CHAPTER 49

## NONPUBLIC WATER SUPPLY WELLS

|             |   |
|-------------|---|
| 49.1(455B)  | Purpose   |
| 49.2(455B)  | Definitions   |
| 49.3(455B)  | Applicability   |
| 49.4(455B)  | General   |
| 49.5(455B)  | Variances   |
| 49.6(455B)  | Location of wells   |
| 49.7(455B)  | General construction requirements   |
| 49.8(455B)  | Types of well construction  |
| 49.9(455B)  | Material standards  |
| 49.10(455B) | Well reconstruction   |
| 49.11(455B) | Disposal of drilling mud  |
| 49.12(455B) | Pumps and pumping equipment   |
| 49.13(455B) | Drop pipe   |
| 49.14(455B) | Pump wiring   |
| 49.15(455B) | Pitless adapters and pitless units  |
| 49.16(455B) | Well caps and seals   |
| 49.17(455B) | Vents   |
| 49.18(455B) | Underground piping  |
| 49.19(455B) | Underground wiring  |
| 49.20(455B) | Sampling faucets  |
| 49.21(455B) | Hydropneumatic (pressure) tanks   |
| 49.22(455B) | Electrical connections  |
| 49.23(455B) | Interconnections and cross connections  |
| 49.24(455B) | Backflow prevention for chemical injection systems for nonpotable water wells |
| 49.25(455B) | Filters and water treatment equipment   |
| 49.26(455B) | Well disinfection   |
| 49.27(455B) | Water sampling and analysis   |
| 49.28(455B) | Abandonment of wells  |
| 49.29(455B) | Closed circuit vertical heat exchangers                                       |

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

CHAPTER 50

SCOPE OF DIVISION—DEFINITIONS—FORMS—RULES OF PRACTICE

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

CHAPTER 51

WATER PERMIT OR REGISTRATION—WHEN REQUIRED

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

CHAPTER 52

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

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

CHAPTER 53

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

- 53.1(455B) Scope of chapter
- 53.2(455B) Designation of protected sources
- 53.3(455B) Purposes of designating a protected source
- 53.4(455B) Designation procedure

- 53.5(455B) Information requirements for applications to withdraw water from protected sources
- 53.6(455B) Conditions in permits for withdrawals of water from a protected source
- 53.7(455B) List of protected water sources

## CHAPTER 54

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

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

## CHAPTER 55

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

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

## CHAPTERS 56 to 59

Reserved

## TITLE IV

*WASTEWATER TREATMENT AND DISPOSAL*

## CHAPTER 60

## SCOPE OF TITLE—DEFINITIONS—FORMS—RULES OF PRACTICE

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

## CHAPTER 61

## WATER QUALITY STANDARDS

## WATER QUALITY STANDARDS

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

## VOLUNTEER MONITORING DATA REQUIREMENTS

- 61.10(455B) Purpose
- 61.11(455B) Monitoring plan required

- 61.12(455B) Use of volunteer monitoring data
- 61.13(455B) Department audits of volunteer monitoring activities

#### CHAPTER 62

##### EFFLUENT AND PRETREATMENT STANDARDS: OTHER EFFLUENT LIMITATIONS OR PROHIBITIONS

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

#### CHAPTER 63

##### MONITORING, ANALYTICAL AND REPORTING REQUIREMENTS

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

- 123.1(455F) Purpose
- 123.2(455B,455D,455F) Definitions
- 123.3(455F) Regional collection center license and license renewal
- 123.4(455F) Site, structure, storage, and staff qualifications

- 123.5(455F) Operations plans and procedures
- 123.6(455F) Closure notification
- 123.7(455F) Regional collection center reporting requirements

## CHAPTERS 124 to 129

Reserved

## TITLE IX

*SPILLS AND HAZARDOUS CONDITIONS*

## CHAPTER 130

Reserved

## CHAPTER 131

## NOTIFICATION OF HAZARDOUS CONDITIONS

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

## CHAPTER 132

Reserved

## CHAPTER 133

## RULES FOR DETERMINING

## CLEANUP ACTIONS AND RESPONSIBLE PARTIES

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

## CHAPTER 134

## UNDERGROUND STORAGE TANK LICENSING AND CERTIFICATION PROGRAMS

## PART A

## CERTIFICATION OF GROUNDWATER PROFESSIONALS

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

## PART B

## CERTIFICATION OF UST COMPLIANCE INSPECTORS

- 134.6(455B) Definition
- 134.7(455B) Certification requirements for UST compliance inspectors
- 134.8(455B) Temporary certification
- 134.9(455B) Application for inspector certification
- 134.10(455B) Training and certification examination
- 134.11(455B) Renewal of certification
- 134.12(455B) Professional liability insurance requirements
- 134.13(455B) Licensed company
- 134.14(455B) Compliance inspection
- 134.15(455B) Disciplinary actions
- 134.16(455B) Revocation of inspector certification or company license

PART C  
LICENSING OF UST PROFESSIONALS

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

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

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

CHAPTER 136  
FINANCIAL RESPONSIBILITY FOR UNDERGROUND STORAGE TANKS

|              |   |
|--------------|---|
| 136.1(455B)  | Applicability   |
| 136.2        | Reserved  |
| 136.3(455B)  | Definition of terms                                   |
| 136.4(455B)  | Amount and scope of required financial responsibility |
| 136.5(455B)  | Allowable mechanisms and combinations of mechanisms   |
| 136.6(455B)  | Financial test of self-insurance                      |
| 136.7(455B)  | Guarantee   |
| 136.8(455B)  | Insurance and risk retention group coverage           |
| 136.9(455B)  | Surety bond   |
| 136.10(455B) | Letter of credit                                      |

|              |  |
|--------------|--|
| 136.11(455B) | Trust fund   |
| 136.12(455B) | Standby trust fund   |
| 136.13(455B) | Local government bond rating test  |
| 136.14(455B) | Local government financial test  |
| 136.15(455B) | Local government guarantee   |
| 136.16(455B) | Local government fund  |
| 136.17(455B) | Substitution of financial assurance mechanisms by owner or operator                    |
| 136.18(455B) | Cancellation or nonrenewal by a provider of financial assurance                        |
| 136.19(455B) | Reporting by owner or operator   |
| 136.20(455B) | Record keeping   |
| 136.21(455B) | Drawing on financial assurance mechanisms  |
| 136.22(455B) | Release from the requirements  |
| 136.23(455B) | Bankruptcy or other incapacity of owner or operator or provider of financial assurance |
| 136.24(455B) | Replenishment of guarantees, letters of credit, or surety bonds                        |

CHAPTER 137  
IOWA LAND RECYCLING PROGRAM AND  
RESPONSE ACTION STANDARDS

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

CHAPTERS 138 and 139

Reserved

TITLE X  
*HAZARDOUS WASTE*

CHAPTERS 140 to 144

Reserved

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 MANAGEMENT OF HOUSEHOLD HAZARDOUS  
MATERIALS AND HAZARDOUS WASTE FROM VERY SMALL QUANTITY GENERATORS

|                  |                        |
|------------------|------------------------|
| 211.1(455E,455F) | Purpose                |
| 211.2(455E,455F) | Definitions            |
| 211.3(455E,455F) | Role of the department |

- 211.4(455E,455F) Funding sources
- 211.5(455E,455F) Eligible costs
- 211.6(455E,455F) Ineligible costs
- 211.7(455E,455F) RCC and satellite facility financial assistance
- 211.8(455E,455F) Grant denial
- 211.9(455E,455F) RCC collection and disposal support 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

Reserved

## 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