

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

CHAPTERS 36 and 37

Reserved

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

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 Reserved
- 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 52.20 Reserved
- 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) Wastewater 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
- 63.16(455B) Sampling procedures for monitoring wells

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)	Nutrient reduction exchange
64.18(455B)	Validity of rules
64.19(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
FLOODPLAIN 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 floodplain development
70.5(17A,455B,481A)	Procedures for review of applications
70.6(17A,455B,481A)	Appeal of initial decision

CHAPTER 71

FLOODPLAIN 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 FLOODPLAIN DEVELOPMENT

72.1(455B)	Bridges and road embankments
72.2(455B)	Channel changes
72.3	Reserved
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
APPROVAL, CONSTRUCTION, USE, MAINTENANCE, REMOVAL, INSPECTIONS, AND
SAFETY OF DAMS

DIVISION I
SCOPE AND DEFINITIONS

73.1(455B)	Scope and applicability
73.2(455B)	Definitions
73.3(455B)	Regulated dams
73.4(455B)	Assignment of hazard potential
73.5 to 73.9	Reserved

DIVISION II
APPROVAL PROCESS

73.10(455B)	Review and approval process for dam construction, modification, abandonment, or removal
73.11(455B)	Water storage permits
73.12 to 73.14	Reserved

DIVISION III
CRITERIA FOR APPROVAL

73.15(455B)	General criteria
73.16(455B)	Lands, easements, and rights-of-way
73.17(455B)	Emergency action plans for high hazard dams
73.18(455B)	Encroachment on a confinement feeding operation structure

73.19(455B)	Hydrologic and hydraulic criteria
73.20(455B)	Spillway design requirements
73.21(455B)	Embankment design requirements
73.22(455B)	Operating plan
73.23(455B)	Removal and abandonment of dams
73.24 to 73.29	Reserved

DIVISION IV

DAM OWNERSHIP, INSPECTIONS, AND ENFORCEMENT

73.30(455B)	Dam owner responsibilities
73.31(455B)	Dam safety inspection program
73.32(455B)	Raising or lowering of impoundment levels
73.33(455B)	Unsafe dams

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 Reserved
- 107.2(455C) Definitions
- 107.3(455C) Labeling requirements

107.4(455C)	Redemption centers
107.5 to 107.7	Reserved
107.8(455C)	Miscellaneous requirements
107.9(455C)	Pickup and acceptance of redeemed containers by distributor
107.10(455C)	Dealer agent lists
107.11 and 107.12	Reserved
107.13(455C)	Refusing payment of the refund value
107.14(455C)	Payment of refund value by distributors
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 RECYCLING

122.1(455D)	Purpose
122.2(455D)	Applicability and compliance
122.3(455D)	Definitions
122.4(455D)	Short-term CRT collection events
122.5(455D)	Registration for CRT collection facilities
122.6(455D)	CRT recycling facility permits
122.7(455D)	CRT recycling facility permit application requirements
122.8(455D)	Discarded CRT management requirements
122.9(455D)	Record-keeping requirements for CRT collection facilities
122.10(455D)	Record-keeping requirements for CRT recycling facilities
122.11(455D)	Reporting requirements
122.12(455D)	Closure requirements for 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(455B) Definition
134.2(455B) Certification requirements
134.3(455B) Certification procedure
134.4(455B) Suspension, revocation and denial of certification
134.5(455B) Penalty

PART B
CERTIFICATION OF UST COMPLIANCE INSPECTORS

- 134.6(455B) Definition
134.7(455B) Certification requirements for UST compliance inspectors
134.8 Reserved
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) Certified company
134.14(455B) Responsibilities of compliance inspectors
134.15(455B) Disciplinary actions
134.16(455B) Revocation of inspector certification or company certification

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, temporary closure, and permanent 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)
- 135.20(455B) Compliance inspection of UST system
- 135.21(455B) UST systems with field-constructed tanks and airport hydrant fuel distribution systems

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