

ENVIRONMENTAL PROTECTION COMMISSION[567]

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

TITLE I
GENERAL

CHAPTER 1**OPERATION OF ENVIRONMENTAL PROTECTION COMMISSION**

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

CHAPTER 2**PUBLIC RECORDS AND FAIR INFORMATION PRACTICES**

(Uniform Rules)

- 2.1(17A,22) Adoption by reference

CHAPTER 3**SUBMISSION OF INFORMATION AND COMPLAINTS—INVESTIGATIONS**

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

CHAPTER 4**AGENCY PROCEDURE FOR RULE MAKING**

- 4.1(17A) Adoption by reference

CHAPTER 5**PETITIONS FOR RULE MAKING**

- 5.1(17A) Adoption by reference

CHAPTER 6**DECLARATORY ORDERS**

- 6.1(17A) Adoption by reference

CHAPTER 7**RULES OF PRACTICE IN CONTESTED CASES**

- 7.1(17A) Adoption by reference

CHAPTER 8**CONTRACTS FOR PUBLIC IMPROVEMENTS AND PROFESSIONAL SERVICES**

- 8.1(17A) Adoption by reference

CHAPTER 9**DELEGATION OF CONSTRUCTION PERMITTING AUTHORITY**

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

CHAPTER 10
ADMINISTRATIVE PENALTIES

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

CHAPTER 11
TAX CERTIFICATION OF POLLUTION CONTROL OR RECYCLING PROPERTY

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

CHAPTER 12
ENVIRONMENTAL SELF-AUDITS

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

CHAPTER 13
WAIVERS OR VARIANCES FROM ADMINISTRATIVE RULES

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

CHAPTER 14
ENVIRONMENTAL COVENANTS

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

CHAPTERS 15 to 19
Reserved

TITLE II
AIR QUALITY

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

- 20.1(455B,17A) Scope of title
- 20.2(455B) Definitions
- 20.3(455B) Air quality forms generally

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(455B) Nonattainment area designations
- 22.7(455B) Alternative emission control program
- 22.8(455B) Permit by rule
- 22.9(455B) Special requirements for visibility protection
- 22.10(455B) Permitting requirements for country grain elevators, country grain terminal elevators, grain terminal elevators and feed mill equipment
- 22.11 to 22.99 Reserved
- 22.100(455B) Definitions for Title V operating permits
- 22.101(455B) Applicability of Title V operating permit requirements
- 22.102(455B) Source category exemptions
- 22.103(455B) Insignificant activities
- 22.104(455B) Requirement to have a Title V permit
- 22.105(455B) Title V permit applications
- 22.106(455B) Title V permit fees
- 22.107(455B) Title V permit processing procedures
- 22.108(455B) Permit content
- 22.109(455B) General permits
- 22.110(455B) Changes allowed without a Title V permit revision (off-permit revisions)
- 22.111(455B) Administrative amendments to Title V permits
- 22.112(455B) Minor Title V permit modifications
- 22.113(455B) Significant Title V permit modifications
- 22.114(455B) Title V permit reopenings
- 22.115(455B) Suspension, termination, and revocation of Title V permits
- 22.116(455B) Title V permit renewals
- 22.117 to 22.119 Reserved
- 22.120(455B) Acid rain program—definitions
- 22.121(455B) Measurements, abbreviations, and acronyms
- 22.122(455B) Applicability
- 22.123(455B) Acid rain exemptions
- 22.124 Reserved
- 22.125(455B) Standard requirements
- 22.126(455B) Designated representative—submissions
- 22.127(455B) Designated representative—objections
- 22.128(455B) Acid rain applications—requirement to apply
- 22.129(455B) Information requirements for acid rain permit applications
- 22.130(455B) Acid rain permit application shield and binding effect of permit application
- 22.131(455B) Acid rain compliance plan and compliance options—general
- 22.132 Reserved
- 22.133(455B) Acid rain permit contents—general

22.134(455B)	Acid rain permit shield
22.135(455B)	Acid rain permit issuance procedures—general
22.136(455B)	Acid rain permit issuance procedures—completeness
22.137(455B)	Acid rain permit issuance procedures—statement of basis
22.138(455B)	Issuance of acid rain permits
22.139(455B)	Acid rain permit appeal procedures
22.140(455B)	Permit revisions—general
22.141(455B)	Permit modifications
22.142(455B)	Fast-track modifications
22.143(455B)	Administrative permit amendment
22.144(455B)	Automatic permit amendment
22.145(455B)	Permit reopenings
22.146(455B)	Compliance certification—annual report
22.147	Reserved
22.148(455B)	Sulfur dioxide opt-ins
22.149 to 22.199	Reserved
22.200(455B)	Definitions for voluntary operating permits
22.201(455B)	Eligibility for voluntary operating permits
22.202(455B)	Requirement to have a Title V permit
22.203(455B)	Voluntary operating permit applications
22.204(455B)	Voluntary operating permit fees
22.205(455B)	Voluntary operating permit processing procedures
22.206(455B)	Permit content
22.207(455B)	Relation to construction permits
22.208(455B)	Suspension, termination, and revocation of voluntary operating permits
22.209(455B)	Change of ownership for facilities with voluntary operating permits
22.210 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)	Continuous emission monitoring under the Clean Air Mercury Rule (CAMR)

CHAPTER 26

PREVENTION OF AIR POLLUTION EMERGENCY EPISODES

26.1(455B)	General
26.2(455B)	Episode criteria

- 26.3(455B) Preplanned abatement strategies
- 26.4(455B) Actions taken during episodes

CHAPTER 27
CERTIFICATE OF ACCEPTANCE

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

CHAPTER 28
AMBIENT AIR QUALITY STANDARDS

- 28.1(455B) Statewide standards

- CHAPTER 29
QUALIFICATION IN VISUAL DETERMINATION OF THE OPACITY OF EMISSIONS
- 29.1(455B) Methodology and qualified observer

CHAPTER 30
Reserved

- CHAPTER 31
NONATTAINMENT AREAS
- 31.1(455B) Permit requirements relating to nonattainment areas
 - 31.2(455B) Conformity of general federal actions to the Iowa state implementation plan or federal implementation plan

- CHAPTER 32
ANIMAL FEEDING OPERATIONS FIELD STUDY
- 32.1(455B) Animal feeding operations field study
 - 32.2(455B) Definitions
 - 32.3(455B) Exceedance of the health effects value (HEV) for hydrogen sulfide
 - 32.4(455B) Exceedance of the health effects standard (HES) for hydrogen sulfide
 - 32.5(455B) Iowa Air Sampling Manual

- CHAPTER 33
SPECIAL REGULATIONS AND CONSTRUCTION PERMIT REQUIREMENTS
FOR MAJOR STATIONARY SOURCES—PREVENTION OF SIGNIFICANT
DETERIORATION (PSD) OF AIR QUALITY
- 33.1(455B) Purpose
 - 33.2 Reserved
 - 33.3(455B) Special construction permit requirements for major stationary sources in areas designated attainment or unclassified (PSD)
 - 33.4 to 33.8 Reserved
 - 33.9(455B) Plantwide applicability limitations (PALs)
 - 33.10(455B) Exceptions to adoption by reference

- CHAPTER 34
PROVISIONS FOR AIR QUALITY EMISSIONS TRADING PROGRAMS
- 34.1(455B) Purpose
 - 34.2 to 34.199 Reserved
 - 34.200(455B) Provisions for air emissions trading and other requirements for the Clean Air Interstate Rule (CAIR)

34.201(455B)	CAIR NOx annual trading program general provisions
34.202(455B)	CAIR designated representative for CAIR NOx sources
34.203(455B)	Permits
34.204	Reserved
34.205(455B)	CAIR NOx allowance allocations
34.206(455B)	CAIR NOx allowance tracking system
34.207(455B)	CAIR NOx allowance transfers
34.208(455B)	Monitoring and reporting
34.209(455B)	CAIR NOx opt-in units
34.210(455B)	CAIR SO2 trading program
34.211 to 34.219	Reserved
34.220(455B)	CAIR NOx ozone season trading program
34.221(455B)	CAIR NOx ozone season trading program general provisions
34.222(455B)	CAIR designated representative for CAIR NOx ozone season sources
34.223(455B)	CAIR NOx ozone season permits
34.224	Reserved
34.225(455B)	CAIR NOx ozone season allowance allocations
34.226(455B)	CAIR NOx ozone season allowance tracking system
34.227(455B)	CAIR NOx ozone season allowance transfers
34.228(455B)	CAIR NOx ozone season monitoring and reporting
34.229(455B)	CAIR NOx ozone season opt-in units
34.230 to 34.299	Reserved
34.300(455B)	Provisions for air emissions trading and other requirements for the Clean Air Mercury Rule (CAMR)
34.301(455B)	Mercury (Hg) budget trading program general provisions
34.302(455B)	Hg designated representative for Hg budget sources
34.303(455B)	General Hg budget trading program permit requirements
34.304(455B)	Hg allowance allocations
34.305(455B)	Hg allowance tracking system
34.306(455B)	Hg allowance transfers
34.307(455B)	Monitoring and reporting
34.308(455B)	Performance specifications

CHAPTER 35

AIR EMISSIONS REDUCTION ASSISTANCE PROGRAM

35.1(455B)	Purpose
35.2(455B)	Definitions
35.3(455B)	Role of the department of natural resources
35.4(455B)	Eligible projects
35.5(455B)	Forms
35.6(455B)	Project selection
35.7(455B)	Funding sources
35.8(455B)	Type of financial assistance
35.9(455B)	Term of loans
35.10(455B)	Reduced award
35.11(455B)	Fund disbursement limitations
35.12(455B)	Applicant cost share
35.13(455B)	Eligible costs
35.14(455B)	Ineligible costs
35.15(455B)	Written agreement
35.16(455B)	Financial assistance denial

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

CHAPTERS 36 and 37

Reserved

CHAPTER 38

PRIVATE WATER WELL CONSTRUCTION PERMITS

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

CHAPTER 39

REQUIREMENTS FOR PROPERLY PLUGGING ABANDONED WELLS

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

DIVISION B
 DRINKING WATER

CHAPTER 40

SCOPE OF DIVISION—DEFINITIONS—FORMS—RULES OF PRACTICE

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

CHAPTER 41 WATER SUPPLIES

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

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

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

CHAPTER 43 WATER SUPPLIES—DESIGN AND OPERATION

43.1(455B)	General information
43.2(455B)	Permit to operate
43.3(455B)	Public water supply system construction
43.4(455B)	Certification of completion
43.5(455B)	Filtration and disinfection for surface water and influenced groundwater public water supply systems
43.6(455B)	Residual disinfectant and disinfection byproduct precursors
43.7(455B)	Lead and copper treatment techniques
43.8(455B)	Viability assessment
43.9(455B)	Enhanced filtration and disinfection requirements for surface water and IGW systems serving at least 10,000 people
43.10(455B)	Enhanced filtration and disinfection requirements for surface water and IGW systems serving fewer than 10,000 people

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

CHAPTER 60

SCOPE OF TITLE—DEFINITIONS—FORMS—RULES OF PRACTICE

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

CHAPTER 61

WATER QUALITY STANDARDS

WATER QUALITY STANDARDS

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

VOLUNTEER MONITORING DATA REQUIREMENTS

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

CHAPTER 62

EFFLUENT AND PRETREATMENT STANDARDS:
OTHER EFFLUENT LIMITATIONS OR PROHIBITIONS

62.1(455B)	Prohibited discharges
62.2(455B)	Exemption of adoption of certain federal rules from public participation
62.3(455B)	Secondary treatment information: effluent standards for publicly owned treatment works and semipublic sewage disposal systems
62.4(455B)	Federal effluent and pretreatment standards
62.5(455B)	Federal toxic effluent standards

- 62.6(455B) Effluent limitations and pretreatment requirements for sources for which there are no federal effluent or pretreatment standards
- 62.7(455B) Effluent limitations less stringent than the effluent limitation guidelines
- 62.8(455B) Effluent limitations or pretreatment requirements more stringent than the effluent or pretreatment standards
- 62.9(455B) Disposal of pollutants into wells
- 62.10(455B) Effluent reuse

CHAPTER 63

MONITORING, ANALYTICAL AND REPORTING REQUIREMENTS

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

CHAPTER 64

WASTEWATER CONSTRUCTION AND OPERATION PERMITS

- 64.1 Reserved
- 64.2(455B) Permit to construct
- 64.3(455B) Permit to operate
- 64.4(455B) Issuance of NPDES permits
- 64.5(455B) Notice and public participation in the individual NPDES permit process
- 64.6(455B) Completing a Notice of Intent for coverage under a general permit
- 64.7(455B) Terms and conditions of NPDES permits
- 64.8(455B) Reissuance of operation and NPDES permits
- 64.9(455B) Monitoring, record keeping and reporting by operation permit holders
- 64.10(455B) Silvicultural activities
- 64.11 and 64.12 Reserved
- 64.13(455B) Storm water discharges
- 64.14(455B) Transfer of title or owner 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(455B) Definitions
- 65.2(455B) Minimum manure control requirements and reporting of releases
- 65.3(455B) Requirements and recommended practices for land application of manure
- 65.4(455B) Operation permit required

65.5(455B)	Departmental evaluation
65.6(455B)	Operation permits
65.7(455B)	Construction permits
65.8(455B)	Construction
65.9(455B)	Construction permit application
65.10(455B)	Construction permit application review process, site inspections and complaint investigations
65.11(455B)	Confinement feeding operation separation distance requirements
65.12(455B)	Exemptions to confinement feeding operation separation distance requirements
65.13 and 65.14	Reserved
65.15(455B)	Manure storage structure design requirements
65.16(455B)	Manure management plan requirements
65.17(459)	Manure management plan content requirements
65.18(455B)	Construction certification
65.19(455B)	Manure applicators certification
65.20(455B)	Manure storage indemnity fund
65.21(455B)	Transfer of legal responsibilities or title
65.22(455B)	Validity of rules
65.23 to 65.99	Reserved

DIVISION II
OPEN FEEDLOT OPERATIONS

65.100(455B,459,459A)	Definitions
65.101(459A)	Minimum open feedlot effluent control requirements and reporting of releases
65.102(455B,459A)	NPDES permits required for CAFOs
65.103(455B,459A)	Departmental evaluation; CAFO designation; remedial actions
65.104(455B,459A)	NPDES permits
65.105(459A)	Construction permits
65.106(459A)	Construction
65.107(459A)	Construction permit application
65.108(455B,459A)	Well separation distances for open feedlot operations
65.109(459A)	Settled open feedlot effluent basins—investigation, design and construction requirements
65.110(459A)	AT systems—design requirements
65.111(459A)	Construction certification
65.112(459A)	Nutrient management plan requirements
65.113(459A)	Complaint investigations
65.114(455B,459A)	Transfer of legal responsibilities or title

CHAPTER 66
PESTICIDE APPLICATION TO WATERS

66.1(455B)	Aquatic pesticide
------------	-------------------

CHAPTER 67
STANDARDS FOR THE LAND APPLICATION OF SEWAGE SLUDGE

67.1(455B)	Land application of sewage sludge
67.2(455B)	Exclusions
67.3(455B)	Sampling and analysis
67.4(455B)	Land application program
67.5(455B)	Special definitions
67.6(455B)	Permit requirements
67.7(455B)	Land application requirements for Class I sewage sludge
67.8(455B)	Land application requirements for Class II sewage sludge

- 67.9(455B) Class III sewage sludge
- 67.10(455B) Sampling and analytical methods
- 67.11(455B) Pathogen treatment processes

CHAPTER 68

COMMERCIAL SEPTIC TANK CLEANERS

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

CHAPTER 69

PRIVATE SEWAGE DISPOSAL SYSTEMS

- 69.1(455B) General
- 69.2(455B) Time of transfer inspections
- 69.3(455B) Site analysis
- 69.4(455B) Requirements when effluent is discharged into surface water
- 69.5(455B) Requirements when effluent is discharged above the ground surface
- 69.6(455B) Requirements when effluent is discharged into the soil
- 69.7(455B) Building sewers
- 69.8(455B) Primary treatment—septic tanks
- 69.9(455B) Secondary treatment—subsurface soil absorption systems
- 69.10(455B) Mound systems
- 69.11(455B) At-grade systems
- 69.12(455B) Drip irrigation
- 69.13(455B) Packed bed media filters
- 69.14(455B) Aerobic treatment units
- 69.15(455B) Constructed wetlands
- 69.16(455B) Waste stabilization ponds
- 69.17(455B) Requirements for impervious vault toilets
- 69.18(455B) Requirements for portable toilets
- 69.19(455B) Other methods of wastewater disposal
- 69.20(455B) Disposal of septage from private sewage disposal systems
- 69.21(455B) Experimental private sewage disposal systems
- 69.22(455B) Variances

TITLE V

FLOOD PLAIN DEVELOPMENT

CHAPTER 70

SCOPE OF TITLE—DEFINITIONS—FORMS—RULES OF PRACTICE

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

CHAPTER 71
FLOOD PLAIN OR FLOODWAY DEVELOPMENT—
WHEN APPROVAL IS REQUIRED

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

CHAPTER 72
CRITERIA FOR APPROVAL

DIVISION I
SPECIAL CRITERIA FOR VARIOUS TYPES OF FLOOD PLAIN DEVELOPMENT

72.1(455B)	Bridges and road embankments
72.2(455B)	Channel changes
72.3(455B)	Dams
72.4(455B)	Levees or dikes
72.5(455B)	Buildings
72.6(455B)	Wastewater treatment facilities
72.7(455B)	Sanitary landfills
72.8(455B)	Water supply treatment facilities
72.9(455B)	Stream protective devices
72.10(455B)	Pipeline river or stream crossings
72.11(455B)	Miscellaneous construction
72.12	Reserved
72.13(455B)	Animal feeding operation structures
72.14 to 72.29	Reserved

DIVISION II
GENERAL CRITERIA

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

DIVISION III
PROTECTED STREAM DESIGNATION PROCEDURE

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

CHAPTER 73 USE, MAINTENANCE, REMOVAL, INSPECTIONS, AND SAFETY OF DAMS

DIVISION I USE AND MAINTENANCE OF DAMS

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

DIVISION II ABANDONMENT AND REMOVAL OF DAMS

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

DIVISION III INSPECTION OF DAMS

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

DIVISION IV DESIGNATION OF UNSAFE DAMS

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

CHAPTER 74 Reserved

CHAPTER 75 MANAGEMENT OF SPECIFIC FLOOD PLAIN AREAS

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

CHAPTER 76 FEDERAL WATER RESOURCE PROJECTS

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

CHAPTERS 77 to 79

Reserved

TITLE VI

CERTIFICATION OF OPERATORS

CHAPTER 80

Reserved

CHAPTER 81

OPERATOR CERTIFICATION: PUBLIC WATER SUPPLY SYSTEMS
AND WASTEWATER TREATMENT SYSTEMS

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

CHAPTER 82

WELL CONTRACTOR CERTIFICATION

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

CHAPTER 83

LABORATORY CERTIFICATION

PART A

GENERAL

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

PART B
CERTIFICATION PROCESS

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

CHAPTERS 84 to 89
Reserved

TITLE VII
WATER POLLUTION CONTROL STATE REVOLVING FUND

CHAPTER 90
SCOPE OF TITLE — DEFINITIONS — FORMS

- 90.1(455B,17A) Scope of title
- 90.2(455B,17A) Definitions
- 90.3(455B,17A) 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 of water pollution control state revolving fund
- 91.4 and 91.5 Reserved
- 91.6(455B) General information—priority rating system
- 91.7 Reserved
- 91.8(455B) Project priority rating system
- 91.9(455B) Livestock water quality facilities priority rating criteria system
- 91.10(455B) Local water protection projects rating system
- 91.11(455B) General nonpoint source projects 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 and applicability
- 101.2(455B,455D) Definitions
- 101.3(455B,455D) Waste management hierarchy
- 101.4(455B,455D) Duties of cities and counties
- 101.5(455B,455D) Contracts with permitted agencies
- 101.6(455B,455D) State volume reduction and recycling goals
- 101.7(455B,455D) Base year adjustment method
- 101.8(455B,455D) Submittal of initial comprehensive plans and comprehensive plan updates
- 101.9(455B,455D) Review of initial comprehensive plans and comprehensive plan updates
- 101.10(455B,455D) Municipal solid waste and recycling survey
- 101.11(455B,455D) Online database
- 101.12(455B,455D) Solid waste comprehensive plan categories
- 101.13(455B,455D) Types of comprehensive plan submittals to be filed
- 101.14(455B,455D) Fees for disposal of solid waste at sanitary landfills

CHAPTER 102

PERMITS

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

CHAPTER 103

SANITARY LANDFILLS: COAL COMBUSTION RESIDUE

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

CHAPTER 104

SANITARY DISPOSAL PROJECTS WITH PROCESSING FACILITIES

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

CHAPTER 105

ORGANIC MATERIALS COMPOSTING FACILITIES

- 105.1(455B,455D) General
- 105.2(455B,455D) Exemptions
- 105.3(455B,455D) General requirements for all composting facilities not exempt pursuant to 105.2(455B,455D)
- 105.4(455B,455D) Specific requirements for yard waste composting facilities
- 105.5(455B,455D) Small composting facilities receiving off-premises materials
- 105.6(455B,455D) Specific requirements for composting of dead farm animals
- 105.7(455B,455D) Permit requirements for solid waste composting facilities
- 105.8(455B,455D) Permit application requirements for solid waste composting facilities
- 105.9(455B,455D) Specific operating requirements for permitted solid waste composting facilities
- 105.10(455B,455D) Operator certification for permitted solid waste composting facilities
- 105.11(455B,455D) Record-keeping requirements for solid waste composting facilities
- 105.12(455B,455D) Reporting requirements for solid waste composting facilities
- 105.13(455B,455D) Closure requirements for solid waste composting facilities
- 105.14(455B,455D) Composting facility financial assurance
- 105.15(455B,455D) Variances

CHAPTER 106

CITIZEN CONVENIENCE CENTERS AND TRANSFER STATIONS

- 106.1(455B) Compliance
- 106.2(455B,455D) Definitions
- 106.3(455B) Citizen convenience center and transfer station permits
- 106.4(455B) Citizen convenience center permit application requirements
- 106.5(455B) Citizen convenience center operations

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

CHAPTER 107 BEVERAGE CONTAINER DEPOSITS

- 107.1(455C) Scope
- 107.2(455C) Definitions
- 107.3(455C) Labeling requirements
- 107.4(455C) Redemption centers
- 107.5(455C) Redeemed containers—use
- 107.6 Reserved
- 107.7(455C) Redeemed containers must be reasonably clean
- 107.8(455C) Interpretive rules
- 107.9(455C) Pickup and acceptance of redeemed containers
- 107.10(455C) Dealer agent lists
- 107.11(455C) Refund value stated on containers—exceptions
- 107.12(455C) Education
- 107.13(455C) Refusing payment when a distributor discontinues a specific beverage product
- 107.14(455C) Payment of refund value
- 107.15(455C) Sales tax on deposits
- 107.16(82GA,HF2700) Independent redemption center grant program

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
HYDROGEOLOGIC INVESTIGATION AND MONITORING REQUIREMENTS

- 110.1(455B) Applicability
- 110.2(455B) Hydrologic monitoring system planning requirements
- 110.3(455B) Soil investigation
- 110.4(455B) Hydrogeologic investigation
- 110.5(455B) Hydrologic monitoring system planning report requirements
- 110.6(455B) Evaluation of hydrogeologic conditions
- 110.7(455B) Monitoring system plan
- 110.8(455B) Sampling protocol
- 110.9(455B) Monitoring well maintenance performance reevaluation plan
- 110.10(455B) Monitoring well siting requirements
- 110.11(455B) Monitoring well/soil boring construction standards
- 110.12(455B) Sealing abandoned wells and boreholes
- 110.13(455B) Variance from design, construction, and operation standards

CHAPTER 111
Reserved

CHAPTER 112
SANITARY LANDFILLS: BIOSOLIDS MONOFILLS

- 112.1(455B) Scope and applicability
- 112.2(455B) Permit required
- 112.3(455B) Types of permits
- 112.4(455B) Applications for permits
- 112.5(455B) Preparation of plans
- 112.6(455B) Construction and operation
- 112.7(455B) Compliance with rule changes
- 112.8(455B) Amendments
- 112.9(455B) Transfer of title and permit
- 112.10(455B) Permit conditions
- 112.11(455B) Effect of revocation
- 112.12(455B) Inspection prior to start-up
- 112.13(455B) Primary plan requirements for all sanitary disposal projects
- 112.14(455B) Hydrologic monitoring system planning requirements
- 112.15(455B) Soil investigation
- 112.16(455B) Hydrogeologic investigation
- 112.17(455B) Hydrologic monitoring system planning report requirements
- 112.18(455B) Evaluation of hydrogeologic conditions

112.19(455B)	Monitoring system plan
112.20(455B)	Sampling protocol
112.21(455B)	Monitoring well maintenance and performance reevaluation plan
112.22(455B)	Monitoring well siting requirements
112.23(455B)	Monitoring well/soil boring construction standards
112.24(455B)	Sealing abandoned wells and boreholes
112.25(455B)	Variance from design, construction, and operation standards
112.26(455B)	General requirements for all sanitary landfills
112.27(455B)	Operating requirements for all sanitary disposal projects
112.28(455B)	Specific requirements for a sanitary landfill proposing to accept no solid waste other than municipal sewage sludge
112.29(455B)	Operator certification
112.30(455B)	Emergency response and remedial action plans
112.31(455B)	Biosolids monofill sanitary landfill financial assurance

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) Short-term CRT collection notification
- 122.5(455B,455D) Operational requirements for short-term CRT collection
- 122.6(455B,455D) CRT recycling permits
- 122.7(455B,455D) Permit application requirements for CRT collection facilities
- 122.8(455B,455D) Operational requirements for CRT collection facilities
- 122.9(455B,455D) Reporting requirements for CRT collection facilities
- 122.10(455B,455D) Record-keeping requirements for CRT collection facilities
- 122.11(455B,455D) CRT recycling facility permit application requirements
- 122.12(455B,455D) Site requirements for CRT recycling facilities
- 122.13(455B,455D) Design requirements for CRT recycling facilities
- 122.14(455B,455D) Operational requirements for permitted CRT recycling facilities
- 122.15(455B,455D) Further requirements for batteries for CRT recycling facilities
- 122.16(455B,455D) Further requirements for circuit boards for CRT recycling facilities
- 122.17(455B,455D) Further requirements for CRTs for CRT recycling facilities
- 122.18(455B,455D) Further requirements for removal and disposal of mercury-containing components for CRT recycling facilities

- 122.19(455B,455D) Further requirements for removal and disposal of PCB capacitors for CRT recycling facilities
- 122.20(455B,455D) Spills and releases at CRT recycling facilities
- 122.21(455B,455D) CRT recycling facilities that shred CRTs
- 122.22(455B,455D) Storage requirements for CRT recycling facilities
- 122.23(455B,455D) ERRAP requirements for CRT recycling facilities
- 122.24(455B,455D) Training requirements for CRT recycling facilities
- 122.25(455B,455D) Reporting requirements for CRT recycling facilities
- 122.26(455B,455D) Record-keeping requirements for CRT recycling facilities
- 122.27(455B,455D) Closure requirements for CRT recycling facilities
- 122.28(455B,455D) Financial assurance requirements for cathode ray tube (CRT) collection and recycling facilities

CHAPTER 123

REGIONAL COLLECTION CENTERS AND MOBILE UNIT COLLECTION AND CONSOLIDATION CENTERS

- 123.1(455B,455D,455F) Purpose
- 123.2(455B,455D,455F) Definitions
- 123.3(455B,455D,455F) Regional collection center and mobile unit collection and consolidation center permits
- 123.4(455B,455D,455F) Permit application requirements for regional collection centers
- 123.5(455B,455D,455F) Permit application requirements for mobile unit collection and consolidation centers
- 123.6(455B,455D,455F) Site selection
- 123.7(455B,455D,455F) Structures
- 123.8(455B,455D,455F) Staff qualifications
- 123.9(455B,455D,455F) Plans and procedures
- 123.10(455B,455D,455F) Emergency response and remedial action plans
- 123.11(455B,455D,455F) Reporting requirements
- 123.12(455B,455D,455F) Financial assurance requirements for regional collection centers and mobile unit collection and consolidation centers

CHAPTERS 124 to 129

Reserved

TITLE IX

SPILLS AND HAZARDOUS CONDITIONS

CHAPTER 130

Reserved

CHAPTER 131

NOTIFICATION OF HAZARDOUS CONDITIONS

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

CHAPTER 132

Reserved

CHAPTER 133

RULES FOR DETERMINING CLEANUP ACTIONS AND RESPONSIBLE PARTIES

- 133.1(455B,455E) Scope
- 133.2(455B,455E) Definitions
- 133.3(455B,455E) Documentation of contamination and source

- 133.4(455B,455E) Response to contamination
- 133.5(455B,455E) Report to commission
- 133.6(455B) Compensation for damages to natural resources

CHAPTER 134

UNDERGROUND STORAGE TANK LICENSING AND CERTIFICATION PROGRAMS

PART A

CERTIFICATION OF GROUNDWATER PROFESSIONALS

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

PART B

CERTIFICATION OF UST COMPLIANCE INSPECTORS

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

PART C

LICENSING OF UST PROFESSIONALS

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

CHAPTER 135

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

- 135.1(455B) Authority, purpose and applicability
- 135.2(455B) Definitions
- 135.3(455B) UST systems—design, construction, installation and notification
- 135.4(455B) General operating requirements
- 135.5(455B) Release detection
- 135.6(455B) Release reporting, investigation, and confirmation

- 135.7(455B) Release response and corrective action for UST systems containing petroleum or hazardous substances
- 135.8(455B) Risk-based corrective action
- 135.9(455B) Tier 1 site assessment policy and procedure
- 135.10(455B) Tier 2 site assessment policy and procedure
- 135.11(455B) Tier 3 site assessment policy and procedure
- 135.12(455B) Tier 2 and 3 site classification and corrective action response
- 135.13(455B) Public participation
- 135.14(455B) Action levels
- 135.15(455B) Out-of-service UST systems and closure
- 135.16(455B) Laboratory analytical methods for petroleum contamination of soil and water
- 135.17(455B) Evaluation of ability to pay
- 135.18(455B) Transitional rules
- 135.19(455B) Analyzing for methyl tertiary-butyl ether (MTBE) in soil and groundwater samples
- 135.20(455B) Compliance inspection of UST system

CHAPTER 136

FINANCIAL RESPONSIBILITY FOR UNDERGROUND STORAGE TANKS

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

CHAPTER 137

IOWA LAND RECYCLING PROGRAM AND RESPONSE ACTION STANDARDS

- 137.1(455H) Authority, purpose and applicability
- 137.2(455H) Definitions
- 137.3(455H) Enrollment in land recycling program
- 137.4(455H) Background standards
- 137.5(455H) Statewide standards

137.6(455H)	Site-specific standards
137.7(455H)	Institutional and technological controls
137.8(455H)	Site assessment
137.9(455H)	Risk evaluation/response action
137.10(455H)	Demonstration of compliance
137.11(455H)	No further action classification

CHAPTERS 138 and 139

Reserved

TITLE X

HAZARDOUS WASTE

CHAPTER 140

SCOPE OF TITLE—DEFINITIONS—FORMS—RULES OF PRACTICE

140.1(455B)	Scope of title
140.2	Reserved
140.3(455B)	Notification by generators, transporters and hazardous waste facilities
140.4(455B)	Application for permits and renewals by new hazardous waste facilities
140.5(455B)	Application for permits and renewals by existing hazardous waste facilities
140.6(455B)	Form for the hazardous waste program—transportation, treatment and disposal fees
140.7(455B)	Form for the analysis and notification requirements for recycled oil

CHAPTER 141

HAZARDOUS WASTE

141.1(455B)	Hazardous waste management system: General
141.2(455B)	Identification, listing, and exclusions of hazardous waste
141.3(455B)	Standards applicable to generators of hazardous waste
141.4(455B)	Standards applicable to transporters of hazardous waste
141.5(455B)	Standards for owners and operators of hazardous waste treatment, storage and disposal facilities
141.6(455B)	Interim status standards for owners and operators of hazardous waste treatment, storage and disposal facilities
141.7(455B)	Disposal of hazardous waste into wells
141.8 to 141.11	Reserved
141.12(455B)	Notification
141.13(455B)	Permitting procedures
141.14(455B)	The hazardous waste permit program
141.15(455B)	Confidentiality of information
141.16(455B)	Permit in lieu of a state hazardous waste permit

CHAPTERS 142 and 143

Reserved

CHAPTER 144

HOUSEHOLD HAZARDOUS MATERIALS

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

CHAPTER 145
HOUSEHOLD BATTERIES

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

CHAPTERS 146 and 147
Reserved

CHAPTER 148
REGISTRY OF HAZARDOUS WASTE OR HAZARDOUS SUBSTANCE DISPOSAL SITES

- 148.1(455B) Scope
- 148.2(455B) Definitions
- 148.3(455B) Site selection for investigation criteria
- 148.4(455B) Site investigation for listing on registry
- 148.5(455B) Site classification
- 148.6(455B) Site listing
- 148.7(455B) Annual report

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

CHAPTER 150
LOCATION AND CONSTRUCTION OF HAZARDOUS WASTE
TREATMENT, STORAGE AND DISPOSAL FACILITIES

- 150.1(455B) Authority, purpose, scope and policy
- 150.2(455B) Definitions
- 150.3(455B) Application procedure
- 150.4(455B) Temporary commissioners
- 150.5(455B) Initial review, notice, and acceptance
- 150.6(455B) Intervention
- 150.7(455B) Proceedings
- 150.8(455B) Decision of the commission
- 150.9(455B) Assessment of costs
- 150.10(455B) Transfer of license
- 150.11(455B) Suspension/revocation/modification

CHAPTER 151

CRITERIA FOR SITING HAZARDOUS WASTE MANAGEMENT FACILITIES

- 151.1(455B) Authority, purpose, scope
- 151.2(455B) Definitions
- 151.3(455B) Siting criteria

CHAPTER 152

CRITERIA FOR SITING LOW-LEVEL RADIOACTIVE
WASTE DISPOSAL FACILITIES

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

CHAPTERS 153 to 208

Reserved

TITLE XI

WASTE MANAGEMENT AUTHORITY

CHAPTER 209

SOLID WASTE ALTERNATIVES PROGRAM

- 209.1(455B,455E) Goal
- 209.2(455B,455E) Purpose
- 209.3(455B,455E) Definitions
- 209.4(455B,455E) Role of the department of natural resources
- 209.5(455B,455E) Funding sources
- 209.6(455B,455E) Eligible projects
- 209.7(455B,455E) Type of financial assistance
- 209.8(455B,455E) Loans
- 209.9(455B,455E) Reduced award
- 209.10(455B,455E) Fund disbursement limitations
- 209.11(455B,455E) Minimum applicant cost share
- 209.12(455B,455E) Eligible costs
- 209.13(455B,455E) Ineligible costs
- 209.14(455B,455E) Selection criteria
- 209.15(455B,455E) Written agreement
- 209.16(455B,455E) Proposals
- 209.17(455B,455E) Financial assistance denial
- 209.18(455B,455E) Amendments

CHAPTER 210

Reserved

CHAPTER 211

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

- 211.1(455F) Purpose
- 211.2(455F) Definitions
- 211.3(455F) Role of the department
- 211.4(455F) Funding sources
- 211.5(455F) Eligible costs
- 211.6(455F) Ineligible costs
- 211.7(455F) Criteria for the selection of an RCC establishment grant

- 211.8(455F) Grant denial
- 211.9(455F) RCC and MUCCC household hazardous material disposal funding

CHAPTER 212

Reserved

CHAPTER 213

PACKAGING—HEAVY METAL CONTENT

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

CHAPTER 214

HOUSEHOLD HAZARDOUS MATERIALS PROGRAM

- 214.1(455F) Scope
- 214.2(455F) Goal
- 214.3(455F) Definitions
- 214.4(455F) Role of the department of natural resources
- 214.5(455F) Funding sources
- 214.6(455F) Household hazardous materials education
- 214.7(455F) HHM education grants
- 214.8(455F) Selection of TCD event host
- 214.9(455F) TCD events
- 214.10(455F) Selection of hazardous waste contractor

CHAPTER 215

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

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

CHAPTERS 216 and 217

Reserved

CHAPTER 218

WASTE TIRE STOCKPILE ABATEMENT PROGRAM

- 218.1(455D) Goal
- 218.2(455D) Purpose
- 218.3(455D) Definitions
- 218.4(455D) Role of the department of natural resources
- 218.5(455D) Existing authority
- 218.6(455D) Funding source
- 218.7(455D) Applicability
- 218.8(455D) Abatement fund priorities

- 218.9(455D) Abatement site determination criteria
- 218.10(455D) Procedures for use of abatement funds through an abatement order or negotiated settlement
- 218.11(455D) Procedure for use of abatement fund at a permitted waste tire processing site
- 218.12(455D) Abatement cost recovery
- 218.13(455D) Abatement contracts