Analysis, p. 1

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

CHAPTER 2

PUBLIC RECORDS AND FAIR INFORMATION PRACTICES

(Uniform Rules)

Adoption by reference 2.1(17A,22)

CHAPTER 3

SUBMISSION OF INFORMATION AND COMPLAINTS-INVESTIGATIONS

Adoption by reference 3.1(17A,455B)

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

Adoption by reference 6.1(17A)

CHAPTER 7

RULES OF PRACTICE IN CONTESTED CASES

7.1(17A) Adoption by reference

CHAPTER 8

CONTRACTS FOR PUBLIC IMPROVEMENTS AND PROFESSIONAL SERVICES Adoption by reference

8.1(17A)

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
10.1(4550	j 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
	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
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
()	1

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

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 strategies26.4(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)
 31.2(455B)
 Permit requirements relating to nonattainment areas
 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

TITLE III WITHDRAWAL, DIVERSION,

STORAGE AND USE OF WATER

DIVISION A

WATER WELL CONSTRUCTION: GENERAL STANDARDS AND REGISTRATION OF CONTRACTORS

CHAPTERS 35 to 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
20.12(455D)	

- 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

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 division40.2(455B)Definitions40.3(17A,455B)Forms40.4(17A,455B)Public water supply construction permit application procedures40.5(17A,455B)Public water supply operation permit application procedures40.6(455B)Drinking water state revolving fund loan application procedures40.7(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

- 55.2 Reserved
- 55.3(455B) Purpose
- 55.4(455B) Definitions

- 55.5(455B) Application processing
- 55.6(455B) Aquifer storage and recovery technical evaluation criteria

CHAPTERS 56 to 59

Reserved

TITLE IV WASTEWATER TREATMENT AND DISPOSAL

CHAPTER 60

SCOPE OF TITLE—DEFINITIONS—FORMS—RULES OF PRACTICE

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

CHAPTER 61

WATER QUALITY STANDARDS

WATER QUALITY STANDARDS

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

VOLUNTEER MONITORING DATA REQUIREMENTS

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

CHAPTER 62

EFFLUENT AND PRETREATMENT STANDARDS:

OTHER EFFLUENT LIMITATIONS OR PROHIBITIONS

- 62.1(455B) Prohibited discharges
- 62.2(455B) Exemption of adoption of certain federal rules from public participation
- 62.3(455B) Secondary treatment information: effluent standards for publicly owned treatment works and privately owned domestic sewage treatment works
- 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

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) Report of bypass

- 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

WASTEWATER CONSTRUCTION AND OPERATION PERMITS

- 64.1(455B) Definitions
- 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 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
- 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

ONSITE WASTEWATER TREATMENT AND DISPOSAL SYSTEMS

- 69.1(455B) General
- 69.2(455B) Requirements when effluent is discharged into surface water
- 69.3(455B) Requirements when discharged into the soil
- 69.4(455B) Building sewers
- 69.5(455B) Primary treatment—septic tanks
- 69.6(455B) Secondary treatment—subsurface absorption systems
- 69.7(455B) Mound system
- 69.8(455B) Drip irrigation
- 69.9(455B) Intermittent sand filters
- 69.10(455B) Individual mechanical aerobic wastewater treatment systems
- 69.11(455B) Constructed wetlands
- 69.12(455B) Waste stabilization ponds
- 69.13(455B) Requirements for impervious vault toilets
- 69.14(455B) Requirements for portable toilets
- 69.15(455B) Requirements for chemical toilets
- 69.16(455B) Other methods of wastewater disposal
- 69.17(455B) Disposal of septage from onsite wastewater treatment and disposal systems
- 69.18(455B) Alternative or innovative onsite wastewater treatment and disposal systems
- 69.19(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(455D)	
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

72.13(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(455D)	\mathbf{D}_{1}

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

Notice of proposed department flood plain management order or proposed

- 75.8(335,414,455B) Review and approval of variances from local regulations
- 75.9(335,414,455B)

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) Cer	tification 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

10101	
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

Reserveu

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

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 slurrying 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

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)	D - J J

107.7(455C) Redeemed containers must be reasonably clean

107.8(455C)	Interpretive rules
107.9(455C)	Pickup and acceptance of redeemed containers
107.10(455C)	Dealer agent lists
107.11(455C)	Refund value stated on containers—exceptions
107.12(455C)	Education
107.13(455C)	Refusing payment when a distributor discontinues a specific beverage product
107.14(455C)	Payment of refund value

107.15(455C) Sales tax on deposits

CHAPTER 108

BENEFICIAL USE DETERMINATIONS:

SOLID BY-PRODUCTS AS RESOURCES AND ALTERNATIVE COVER MATERIAL

- 108.1(455B,455D) Purpose
- 108.2(455B,455D) Applicability and compliance
- 108.3(455B,455D) Definitions
- 108.4(455B,455D) Universally approved beneficial use determinations
- 108.5(455B,455D) Application requirements for beneficial use determinations other than alternative cover material
- 108.6(455B,455D) Requirements for beneficial uses other than alternative cover material
- 108.7(455B,455D) Record-keeping and reporting requirements for beneficial use projects other than alternative cover material
- 108.8(455B,455D) Universally approved beneficial use determinations for alternative cover material
- 108.9(455B,455D) Beneficial use determination application requirements for alternative cover material
- 108.10(455B,455D) Beneficial use of alternative cover material and state goal progress
- 108.11(455B,455D) Revocation of beneficial use determinations

CHAPTER 109

SPECIAL WASTE AUTHORIZATIONS

- 109.1(455B,455D) Purpose
- 109.2(455B,455D) Special waste authorization required
- 109.3(455B,455D) Definitions
- 109.4
- 109.5(455B,455D) Applications
- 109.6(455B,455D) Restrictions
- 109.7(455B,455D) Landfill responsibilities

Reserved

- 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

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 griteria
- 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

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

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

11	7.1	(455B,4	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

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

WASTE OIL

- 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
- 119.5(455D,455B) Tanks
- 119.6(455D,455B) Locating collection sites
- 119.7(455D,455B) Land quality and waste management assistance division responsibilities
- 119.8(455D,455B) State procurement

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

121.7(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 UNDERGROUND STORAGE TANK INSTALLER AND INSPECTOR LICENSING

134.17(455B)	Definitions
134.18(455B)	Applicability of Part C
134.19(455B)	Licensing—general and fees
134.20(455B)	Educational requirements for installers, liners, testers and inspectors
134.21(455B)	Environmental liability insurance requirements
134.22(455B)	Installers
134.23(455B)	Testers
134.24(455B)	Additional liner requirements
134.25(455B)	Inspectors
134.26(455B)	Inspector notification regulation
134.27(455B)	Standards
134.28(455B)	General procedures

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

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

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
$\Delta 1 = \pi (A = E D)$	

- 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