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)

2.1(17A,22) Adoption by reference

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

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

10.10	(455B))	Scope
10.10	4330)	scope

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

CHAPTER 11

TAX CERTIFICATION OF POLLUTION CONTROL OR RECYCLING PROPERTY

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

CHAPTER 12

ENVIRONMENTAL SELF-AUDITS

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

CHAPTER 13

WAIVERS OR VARIANCES FROM ADMINISTRATIVE RULES

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

CHAPTER 14

ENVIRONMENTAL COVENANTS

14.1(455B,455H) Definitions

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

CHAPTER 15

CROSS-MEDIA ELECTRONIC REPORTING

15.1(455B,554D) Purpose

CHAPTER 16

REVOCATION, SUSPENSION, AND NONRENEWAL OF LICENSE FOR FAILURE TO PAY STATE LIABILITIES

- 16.1(272D,261) Purpose and use
- 16.2(272D,261) Definitions
- 16.3(272D,261) Requirements of the department
- 16.4(272D,261) No administrative appeal of the department's action
- 16.5(272D,261) District court hearing

CHAPTER 17 COMPLIANCE AND ENFORCEMENT PROCEDURES

	e e i i i i i i i i i i i i i i i i i i
17.1(455B)	Scope
17.2(455B)	Basis
17.3(455B)	Option to respond

	1	1
17.4(455B)	Department	discretion

CHAPTERS 18 and 19

Reserved

TITLE II AIR QUALITY

CHAPTER 20

SCOPE OF TITLE—DEFINITIONS

20.2(455B) Definitions

CHAPTER 21

COMPLIANCE

- 21.1(455B) Compliance schedule
- 21.2(455B) Variances
- 21.3(455B) Emission reduction program
- 21.4(455B) Circumvention of rules
- 21.5(455B) Evidence used in establishing that a violation has or is occurring
- 21.6(455B) Temporary electricity generation for disaster situations

CHAPTER 22

CONTROLLING POLLUTION

- 22.1(455B) Permits required for new or existing stationary sources
- 22.2(455B) Processing permit applications
- 22.3(455B) Issuing permits
- 22.4(455B) Special requirements for major stationary sources located in areas designated attainment or unclassified (PSD)
- 22.5(455B) Special requirements for nonattainment areas
- 22.6 Reserved
- 22.7(455B) Alternative emission control program
- 22.8(455B) Permit by rule
- 22.9(455B) Special requirements for visibility protection
- 22.10(455B) Permitting requirements for country grain elevators, country grain terminal elevators, grain terminal elevators and feed mill equipment
- 22.11 to 22.99 Reserved
- 22.100(455B) Definitions for Title V operating permits
- 22.101(455B) Applicability of Title V operating permit requirements
- 22.102(455B) Source category exemptions
- 22.103(455B) Insignificant activities
- 22.104(455B) Requirement to have a Title V permit
- 22.105(455B) Title V permit applications
- 22.106(455B) Annual Title V emissions inventory
- 22.107(455B) Title V permit processing procedures
- 22.108(455B) Permit content
- 22.109(455B) General permits
- 22.110(455B) Changes allowed without a Title V permit revision (off-permit revisions)
- 22.111(455B) Administrative amendments to Title V permits

22.112(455B)	Minor Title V permit modifications
22.113(455B)	Significant Title V permit modifications
22.114(455B)	Title V permit reopenings
22.115(455B)	Suspension, termination, and revocation of Title V permits
22.116(455B)	Title V permit renewals
22.117 to 22.119	Reserved
22.120(455B)	Acid rain program—definitions
22.121(455B)	Measurements, abbreviations, and acronyms
22.122(455B)	Applicability
22.123(455B)	Acid rain exemptions
22.124	Reserved
22.125(455B)	Standard requirements
22.126(455B)	Designated representative—submissions
22.127(455B)	Designated representative—objections
22.128(455B)	Acid rain applications—requirement to apply
22.129(455B)	Information requirements for acid rain permit applications
22.130(455B)	Acid rain permit application shield and binding effect of permit application
22.131(455B)	Acid rain compliance plan and compliance options—general
22.132	Reserved
22.133(455B)	Acid rain permit contents—general
22.134(455B)	Acid rain permit shield
22.135(455B)	Acid rain permit issuance procedures—general
22.136(455B)	Acid rain permit issuance procedures—completeness
22.137(455B)	Acid rain permit issuance procedures—statement of basis
22.138(455B)	Issuance of acid rain permits
22.139(455B)	Acid rain permit appeal procedures
22.140(455B)	Permit revisions—general
22.141(455B)	Permit modifications
22.142(455B)	Fast-track modifications
22.143(455B)	Administrative permit amendment
22.144(455B)	Automatic permit amendment
22.145(455B)	Permit reopenings
22.146(455B)	Compliance certification—annual report
22.147	Reserved
22.148(455B)	Sulfur dioxide opt-ins
22.149 to 22.299	Reserved
22.300(455B)	Operating permit by rule for small sources

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

MEASUREMENT OF EMISSIONS

- 25.1(455B) Testing and sampling of new and existing equipment
- 25.2(455B) Continuous emission monitoring under the acid rain program
- 25.3(455B) Mercury emissions testing and monitoring

CHAPTER 26

PREVENTION OF AIR POLLUTION EMERGENCY EPISODES

- 26.1(455B) General
- 26.2(455B) Episode criteria
- 26.3(455B) Preplanned abatement strategies
- 26.4(455B) Actions taken during episodes

CHAPTER 27

CERTIFICATE OF ACCEPTANCE

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

CHAPTER 28

AMBIENT AIR QUALITY STANDARDS

28.1(455B) Statewide standards

CHAPTER 29

QUALIFICATION IN VISUAL DETERMINATION OF THE OPACITY OF EMISSIONS

29.1(455B) Methodology and qualified observer

CHAPTER 30

FEES

- 30.1(455B) Purpose
- 30.2(455B) Fees associated with new source review applications
- 30.3(455B) Fees associated with asbestos demolition or renovation notification
- 30.4(455B) Fees associated with Title V operating permits
- 30.5(455B) Fee advisory groups
- 30.6(455B) Process to establish or adjust fees and notification of fee rates
- 30.7(455B) Fee revenue

CHAPTER 31

NONATTAINMENT AREAS

- 31.1(455B) Permit requirements relating to nonattainment areas
- 31.2 Reserved
- NONATTAINMENT AREAS DESIGNATED ON OR AFTER MAY 18, 1998
- 31.3(455B) Nonattainment new source review requirements for areas designated nonattainment
- on or after May 18, 1998
- 31.4(455B) Preconstruction review permit program
- 31.5 to 31.8 Reserved
- 31.9(455B) Actuals PALs
- 31.10(455B)Validity of rules
- 31.11 to 31.19 Reserved

	NONATTAINMENT AREAS DESIGNATED BEFORE MAY 18, 1998
31.20(455B)	Special requirements for nonattainment areas designated before May 18, 1998
	(originally adopted in 567-22.5(455B))

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)

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

Purpose

- 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

38.1(455B)

CHAPTER 38

PRIVATE WATER WELL CONSTRUCTION PERMITS

: :	_
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
29.15(455D)	Delegation of outhonity to county board of our amigan

- 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

Definitions

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 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 revoluting fund here application procedures
- 40.6(455B) Drinking water state revolving fund loan application procedures
- 40.7(455B) Viability assessment procedures

CHAPTER 41

WATER SUPPLIES

41.1(455B) Primary drinking water regulations—coverage
 41.2(455B) Biological maximum contaminant level (MCL), treatment technique (TT), and monitoring requirements
 41.3(455B) Maximum contaminant levels (MCLs) and monitoring requirements for inorganic contaminants other than lead or copper

41.4(455B)	Lead, copper, and corrosivity
41.5(455B)	Organic chemicals
41.6(455B)	Disinfection byproducts maximum contaminant levels and monitoring requirements
41.7(455B)	Groundwater rule: sanitary survey, microbial source water monitoring, treatment technique
41.8(455B)	Radionuclides
41.9 and 41.10	Reserved
41.11(455B)	Special monitoring
41.12(455B)	Alternative analytical techniques
41.13(455B)	Monitoring of interconnected public water supply systems

- 41.14(455B) Department analytical results used to determine compliance
- 41.15(455B) Monitoring of other contaminants

PUBLIC NOTIFICATION, PUBLIC EDUCATION,

CONSUMER CONFIDENCE REPORTS, REPORTING,

AND RECORD MAINTENANCE

- 42.1(455B) Public notification
- 42.2(455B) Lead consumer notice and public education for lead action level exceedance
- 42.3(455B) Consumer confidence reports
- 42.4(455B) Reporting
- 42.5(455B) Record maintenance

CHAPTER 43

WATER SUPPLIES—DESIGN AND OPERATION

- 43.1(455B) General information
- 43.2(455B) Permit to operate
- 43.3(455B) Public water supply system construction
- 43.4(455B) Certification of completion
- 43.5(455B) Filtration and disinfection for surface water and influenced groundwater public water supply systems
- 43.6(455B) Residual disinfectant and disinfection byproduct precursors
- 43.7(455B) Lead and copper treatment techniques
- 43.8(455B) Viability assessment
- 43.9(455B) Enhanced filtration and disinfection requirements for surface water and IGW systems serving at least 10,000 people
- 43.10(455B) Enhanced filtration and disinfection requirements for surface water and IGW systems serving fewer than 10,000 people
- 43.11(455B) Enhanced treatment for *Cryptosporidium*
- 43.12(455B) Optimization goals

CHAPTER 44

DRINKING WATER STATE REVOLVING FUND

- 44.1(455B) Statutory authority
- 44.2(455B) Scope of title
- 44.3(455B) Purpose
- 44.4(455B) Definitions
- 44.5(455B) Set-asides
- 44.6(455B) Eligibility
- 44.7(455B) Project point ranking system (project priority list)
- 44.8(455B) Intended use plan
- 44.9(455B) Department initial approval of projects

44.10(455B)	General administrative requirements
44.11	Reserved
44.12(455B)	Construction phase and postconstruction phase requirements
44.13(455B)	Sanctions
44.14(455B)	Disputes

CHAPTERS 45 to 48 Reserved

CHAPTER 49 NONPUBLIC WATER SUPPLY WELLS

49.1(455B)	Purpose
49.2(455B)	Definitions
49.3(455B)	Applicability
49.4(455B)	General
49.5(455B)	Variances
49.6(455B)	Location of wells
49.7(455B)	General construction requirements
49.8(455B)	Types of well construction
49.9(455B)	Material standards
49.10(455B)	Well reconstruction
49.11(455B)	Disposal of drilling mud
49.12(455B)	Pumps and pumping equipment
49.13(455B)	Drop pipe
49.14(455B)	Pump wiring
49.15(455B)	Pitless adapters and pitless units
49.16(455B)	Well caps and seals
49.17(455B)	Vents
49.18(455B)	Underground piping

- 49.19(455B) Underground wiring
- 49.20(455B) Sampling faucets
- 49.21(455B) Hydropneumatic (pressure) tanks
- 49.22(455B) Electrical connections
- 49.23(455B) Interconnections and cross connections
- 49.24(455B) Backflow prevention for chemical injection systems for nonpotable water wells
- 49.25(455B) Filters and water treatment equipment
- 49.26(455B) Well disinfection
- 49.27(455B) Water sampling and analysis
- 49.28(455B) Abandonment of wells
- 49.29(455B) Closed circuit vertical heat exchangers

DIVISION C

WITHDRAWAL, DIVERSION AND STORAGE OF WATER: WATER RIGHTS ALLOCATION

CHAPTER 50

SCOPE OF DIVISION—DEFINITIONS—FORMS—RULES OF PRACTICE

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

50.8(17A,455B)Initial decision by the department50.9(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

AQUIFER STORAGE AND RECOVERY:

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

- Statutory authority 55.1(455B)
- 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
(0 A(A55D 17A)	A

Application procedures and requirements generally 60.4(455B,17A)

CHAPTER 61

WATER QUALITY STANDARDS

WATER QUALITY STANDARDS

- 61.1 Reserved
- General considerations 61.2(455B)
- Surface water quality criteria 61.3(455B)
- 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
- Secondary treatment information: effluent standards for publicly owned treatment 62.3(455B) works and semipublic sewage disposal systems
- 62.4(455B) Federal effluent and pretreatment standards
- 62.5(455B) Federal toxic effluent standards
- Effluent limitations and pretreatment requirements for sources for which there are 62.6(455B) 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

MONITORING, ANALYTICAL AND REPORTING REQUIREMENTS

- 63.1(455B) Guidelines establishing test procedures for the analysis of pollutants
- 63.2(455B) Records of monitoring activities and results
- 63.3(455B) Minimum self-monitoring requirements in permits
- 63.4(455B) Effluent toxicity testing requirements in permits
- 63.5(455B) Self-monitoring and reporting for animal feeding operations
- 63.6(455B) Bypasses and upsets
- 63.7(455B) Submission of records of operation
- 63.8(455B) Frequency of submitting records of operation
- 63.9(455B) Content of records of operation
- 63.10(455B) Records of operation forms
- 63.11(455B) Certification and signatory requirements in the submission of records of operation
- 63.12(455B) Twenty-four-hour reporting
- 63.13(455B) Planned changes
- 63.14(455B) Anticipated noncompliance
- 63.15(455B) Other noncompliance

CHAPTER 64

WASTEWATER CONSTRUCTION AND OPERATION PERMITS

64.1 Reserved

- 64.2(455B) Permit to construct
- 64.3(455B) Permit to operate
- 64.4(455B) Issuance of NPDES permits
- 64.5(455B) Notice and public participation in the individual NPDES permit process
- 64.6(455B) Completing a Notice of Intent for coverage under a general permit
- 64.7(455B) Terms and conditions of NPDES permits
- 64.8(455B) Reissuance of operation and NPDES permits
- 64.9(455B) Monitoring, record keeping and reporting by operation permit holders
- 64.10(455B) Silvicultural activities
- 64.11 and 64.12 Reserved
- 64.13(455B) Storm water discharges
- 64.14(455B) Transfer of title and owner or operator address change
- 64.15(455B) General permits issued by the department
- 64.16(455B) Fees
- 64.17(455B) Validity of rules
- 64.18(455B) Applicability

CHAPTER 65

ANIMAL FEEDING OPERATIONS

DIVISION I

CONFINEMENT FEEDING OPERATIONS

- 65.1(459,459B) Definitions and incorporation by reference
 65.2(459,459B) Minimum manure control requirements and reporting of releases
 65.3(459,459B) Requirements and recommended practices for land application of manure
- 65.4 Reserved
- 65.5(459,459B) Departmental evaluation

65.6(459,459B) 65.7(459,459B)	Concentrated animal feeding operations; NPDES permits Construction permits—required approvals, permits, determinations and declaratory orders
65.8(459,459B)	Construction
65.9(459,459B)	Preconstruction submittal requirements
65.10(459,459B)	Construction permit application review process, site inspections and complaint
	investigations
65.11(459,459B)	Confinement feeding operation and stockpile separation distance requirements
65.12(459,459B)	Exemptions and variances to confinement feeding operation and stockpile separation distance requirements and prohibition of construction on the one hundred year floodplain
65.13 and 65.14	Reserved
65.15(459,459B)	Manure storage structure design requirements
65.16(459,459B)	Manure management plan requirements
65.17(459,459B)	Manure management plan content requirements
65.18(459,459B)	Construction certification
65.19(459,459B)	Manure applicators certification
65.20(459,459B)	Manure storage indemnity fund
65.21(459,459B)	Transfer of legal responsibilities or title
65.22(459,459B)	Validity of rules
65.23 to 65.99	Reserved
	DIVISION II OPEN FEEDLOT OPERATIONS
65.100(459A)	Definitions and incorporation by reference
65.101(459A)	Minimum open feedlot effluent control requirements and reporting of releases
65.102(459A)	Concentrated animal feeding operations; NPDES permits
65.103(455B,459A) Departmental evaluation; CAFO designation; remedial actions
65.104(455B,459A) NPDES permits
65.105(459A)	Construction permits
65.106(459A)	Construction
65.107(459A)	Construction permit application
65.108(455B,459A) Water well separation distances for open feedlot operations
65.109(459A)	Settled open feedlot effluent basins—investigation, design and construction requirements
65.110(459A)	AT systems—design requirements
65.111(459A)	Construction certification
65.112(459A)	Nutrient management plan requirements
65.113(459A)	Complaint investigations
65.114(455B,459A)	
65.115 to 65.199	Reserved
05.115 10 05.199	
	DIVISION III ANIMAL TRUCK WASH FACILITIES
65.200(459,459A)	Definitions and incorporation by reference
65.201(459A)	Minimum animal truck wash effluent control requirements and reporting of releases
65.202(459,459A)	Construction permits
65.203(459A)	Construction
65.204(459A)	Construction permit application
65.205(459A)	Water well separation distances for animal truck wash facilities
65.206(459A)	Unformed animal truck wash effluent structure—investigation, design and construction requirements
65.207(459A)	Construction certification
65.208(459A)	Nutrient management plan requirements
-	

67.1(455B)

65.209(459A)	Complaint investigations
65.210(455B,459A)) Transfer of legal responsibilities or title

CHAPTER 66

PESTICIDE APPLICATION TO WATERS

66.1(455B) Aquatic pesticide

CHAPTER 67

STANDARDS FOR THE LAND APPLICATION OF SEWAGE SLUDGE

- Land application of sewage sludge
- 67.2(455B) Exclusions
- 67.3(455B) Sampling and analysis
- 67.4(455B) Land application program
- 67.5(455B) Special definitions
- 67.6(455B) Permit requirements
- 67.7(455B) Land application requirements for Class I sewage sludge
- 67.8(455B) Land application requirements for Class II sewage sludge
- 67.9(455B) Class III sewage sludge
- 67.10(455B) Sampling and analytical methods
- 67.11(455B) Pathogen treatment processes

CHAPTER 68

COMMERCIAL SEPTIC TANK CLEANERS

- 68.1(455B) Purpose and applicability
- 68.2(455B)Definitions
- 68.3(455B) Licensing requirements
- 68.4(455B) Licensing procedures
- 68.5(455B) Suspension, revocation and denial of license
- 68.6(455B) Licensee's obligations
- 68.7(455B) County obligations
- 68.8(455B) Application sites and equipment inspections
- 68.9(455B) Standards for commercial cleaning of private sewage disposal systems
- 68.10(455B) Standards for disposal
- 68.11(455B) Standards for disposal of on-farm food processing wastewater

CHAPTER 69

PRIVATE SEWAGE DISPOSAL SYSTEMS

69.1(455B)	General
69.2(455B)	Time of transfer inspections
69.3(455B)	Site analysis
69.4(455B)	Requirements when effluent is discharged into surface water
69.5(455B)	Requirements when effluent is discharged above the ground surface
69.6(455B)	Requirements when effluent is discharged into the soil
69.7(455B)	Building sewers
69.8(455B)	Primary treatment—septic tanks
69.9(455B)	Secondary treatment—subsurface soil absorption systems
69.10(455B)	Mound systems
69.11(455B)	At-grade systems
69.12(455B)	Drip irrigation
69.13(455B)	Packed bed media filters
69.14(455B)	Aerobic treatment units
69.15(455B)	Constructed wetlands
69.16(455B)	Waste stabilization ponds

- 69.17(455B) Requirements for impervious vault toilets
- 69.18(455B) Requirements for portable toilets
- 69.19(455B) Other methods of wastewater disposal
- 69.20(455B) Disposal of septage from private sewage disposal systems
- 69.21(455B) Experimental private sewage disposal systems
- 69.22(455B) Variances

TITLE V

FLOOD PLAIN DEVELOPMENT

CHAPTER 70

SCOPE OF TITLE—DEFINITIONS—FORMS—RULES OF PRACTICE

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

CHAPTER 71

FLOOD PLAIN OR FLOODWAY DEVELOPMENT— WHEN APPROVAL IS REQUIRED

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

CHAPTER 72 CRITERIA FOR APPROVAL

DIVISION I

SPECIAL CRITERIA FOR VARIOUS TYPES OF FLOOD PLAIN DEVELOPMENT

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

72.14 to 72.29	Reserved
	DIVISION II
	GENERAL CRITERIA
72.30(455B)	General conditions
72.31(455B)	Variance
72.32(455B)	Protected stream information
72.33 to 72.49	Reserved
	DIVISION III
	PROTECTED STREAM DESIGNATION PROCEDURE
72.50(455B)	Protected streams
72.51(455B)	Protected stream designation procedure

72.52(455B) Protected stream declassification procedure

CHAPTER 73

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

DIVISION I

	USE	AND	MAINTENAN	NCE	OF I	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

FEDERAL WATER RESOURCE PROJECTS

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

CHAPTERS 77 to 79

Reserved

TITLE VI CERTIFICATION OF OPERATORS

CHAPTER 80

Reserved

CHAPTER 81

OPERATOR CERTIFICATION: PUBLIC WATER SUPPLY SYSTEMS AND WASTEWATER TREATMENT SYSTEMS

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

CHAPTER 82

WELL CONTRACTOR CERTIFICATION

82.1(455B) Definitions 82.2(455B) General 82.3(455B) Classification of well contractors 82.4 and 82.5 Reserved 82.6(455B) Experience requirements 82.7(455B) Certification and examination fees 82.8(455B) Examinations Certification by examination 82.9(455B)

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

LABORATORY CERTIFICATION

PART A GENERAL

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

PART B

CERTIFICATION PROCESS • •

	CERTIFICATION TROCEDS
83.3(455B)	Application for laboratory certification
83.4	Reserved
83.5(455B)	Procedures for certification of new laboratories or changes in certification
83.6(455B)	Laboratory recertification
83.7(455B)	Criteria and procedure for provisional, suspended, and revoked laboratory
	certification

CHAPTERS 84 to 89

Reserved

TITLE VII WATER POLLUTION CONTROL STATE REVOLVING FUND

CHAPTER 90

SCOPE OF TITLE — DEFINITIONS — FORMS

- 90.1(455B) Scope of title
- Definitions 90.2(455B)
- 90.3(455B) Forms

CHAPTER 91

CRITERIA FOR RATING AND RANKING PROJECTS FOR THE WATER POLLUTION CONTROL STATE REVOLVING FUND

- 91.1(455B) Statutory authority
- 91.2(455B) Scope of title
- Purpose 91.3(455B)
- Reserved 91.4 and 91.5
- 91.6(455B) General information—priority rating system
- 91.7
- Reserved
- 91.8(455B) Project priority rating system

CHAPTER 92

CLEAN WATER STATE REVOLVING FUND

92.1(455B)	Statutory authority
92.2(455B)	Scope of title
92.3	Reserved
92.4(455B)	General policy
92.5	Reserved
92.6(455B)	Intended use plan management
92.7(455B)	Point source project procedures
92.8(455B)	Point source project requirements

NONPOINT SOURCE POLLUTION CONTROL SET-ASIDE PROGRAMS

93.1(455B,466)	Statutory authority
93.2(455B,466)	Scope of title
93.3(455B,466)	Purpose
93.4(455B,466)	Onsite wastewater system assistance program
93.5(455B)	Livestock water quality facilities requirements
93.6(455B)	Local water protection project requirements

93.7(455B) General nonpoint source project requirements

CHAPTERS 94 to 99 Reserved

TITLE VIII SOLID WASTE MANAGEMENT AND DISPOSAL

CHAPTER 100

SCOPE OF TITLE — DEFINITIONS — FORMS — RULES OF PRACTICE

- 100.1(455B,455D) Scope of title
- 100.2(455B,455D) Definitions
- 100.3(17A,455B) Forms and rules of practice
- 100.4(455B) General conditions of solid waste disposal
- 100.5(455B) Disruption and excavation of sanitary landfills or closed dumps

CHAPTER 101

SOLID WASTE COMPREHENSIVE PLANNING REQUIREMENTS

- 101.1(455B,455D) Purpose
- 101.2(455B,455D) Definitions
- 101.3 Reserved
- 101.4(455B,455D) Duties of cities and counties
- 101.5(455B,455D) Contracts with permitted agencies
- 101.6(455B,455D) State volume reduction and recycling goals
- 101.7(455B,455D) Base year adjustment method
- 101.8(455B,455D) Submittal of initial comprehensive plans and comprehensive plan updates

101.9(455B,455D) Review of initial comprehensive plans and comprehensive plan updates

- 101.10 and 101.11 Reserved
- 101.12(455B,455D) Solid waste comprehensive plan types
- 101.13(455B,455D) Types of comprehensive plan submittals to be filed
- 101.14(455B,455D) Fees for disposal of solid waste at sanitary landfills

CHAPTER 102

PERMITS

- 102.1(455B) Permit required
- 102.2(455B) Types of permits
- 102.3(455B) Applications for permits
- 102.4(455B) Preparation of plans
- 102.5(455B) Construction and operation
- 102.6(455B) Compliance with rule changes
- 102.7(455B) Amendments
- 102.8(455B) Transfer of title and permit
- 102.9(455B) Permit conditions
- 102.10(455B) Effect of revocation
- 102.11(455B) Inspection prior to start-up

- 102.12(455B) Primary plan requirements for all sanitary disposal projects
- 102.13(455B) Operating requirements for all sanitary disposal projects
- 102.14(455B) Emergency response and remedial action plans

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 567—105.2(455B,455D)
- 105.4(455B,455D) Specific requirements for yard waste composting facilities
- 105.5(455B,455D) Small composting facilities receiving off-premises materials
- 105.6(455B,455D) Specific requirements for composting of dead farm animals
- 105.7(455B,455D) Permit requirements for solid waste composting facilities
- 105.8(455B,455D) Permit application requirements for solid waste composting facilities
- 105.9(455B,455D) Specific operating requirements for permitted solid waste composting facilities
- 105.10(455B,455D) Operator certification for permitted solid waste composting facilities
- 105.11(455B,455D) Record-keeping requirements for solid waste composting facilities
- 105.12(455B,455D) Reporting requirements for solid waste composting facilities
- 105.13(455B,455D) Closure requirements for solid waste composting facilities
- 105.14(455B,455D) Composting facility financial assurance
- 105.15(455B,455D) Variances

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

CHAPTER 107

BEVERAGE CONTAINER DEPOSITS

107.1(455C)	Scope		
107.2(455C)	Definitions		
107.3(455C)	Labeling requirements		
107.4(455C)	Redemption centers		
107.5(455C)	Redeemed containers—use		
107.6	Reserved		
107.7(455C)	Redeemed containers must be reasonably clean		
107.8(455C)	Interpretive rules		
107.9(455C)	Pickup and acceptance of redeemed containers		
107.10(455C)	Dealer agent lists		
107.11(455C)	Refund value stated on containers-exceptions		
107.12(455C)	Education		
107.13(455C)	Refusing payment when a distributor discontinues a specific beverage product		
107.14(455C)	Payment of refund value		
107.15(455C)	Sales tax on deposits		
CHAPTER 108			

BENEFICIAL USE DETERMINATIONS:

SOLID BY-PRODUCTS AS RESOURCES AND ALTERNATIVE COVER MATERIAL

108.1(455B,455D) Purpose

- 108.2(455B,455D) Applicability and compliance
- 108.3(455B,455D) Definitions
- 108.4(455B,455D) Universally approved beneficial use determinations
- 108.5(455B,455D) Application requirements for beneficial use determinations other than alternative cover material
- 108.6(455B,455D) Requirements for beneficial uses other than alternative cover material
- 108.7(455B,455D) Record-keeping and reporting requirements for beneficial use projects other than alternative cover material

- 108.8(455B,455D) Universally approved beneficial use determinations for alternative cover material
- 108.9(455B,455D) Beneficial use determination application requirements for alternative cover material
- 108.10(455B,455D) Beneficial use of alternative cover material and state goal progress

108.11(455B,455D) Revocation of beneficial use determinations

CHAPTER 109

SPECIAL WASTE AUTHORIZATIONS

109.1(455B,455D) Purpose

- 109.2(455B,455D) Special waste authorization required
- 109.3(455B,455D) Definitions
- 109.4 Reserved
- 109.5(455B,455D) Applications
- 109.6(455B,455D) Restrictions
- 109.7(455B,455D) Landfill responsibilities
- 109.8(455B,455D) Special waste generator responsibilities
- 109.9(455B,455D) Infectious waste
- 109.10(455B,455D) Other special wastes
- 109.11(455B,455D) Conditions and requirements for the disposal of general special wastes

CHAPTER 110

Reserved

CHAPTER 111

ANNUAL REPORTS OF SOLID WASTE ENVIRONMENTAL MANAGEMENT SYSTEMS

- 111.1(455J) Purpose
- 111.2(455J) Role of the department
- 111.3(455J) Applicability
- 111.4(455J) Definitions
- 111.5(455J) Submittal of annual reports
- 111.6(455J) Contents of annual reports
- 111.7(455J) Evaluation criteria
- 111.8(455J) Evaluation outcomes

CHAPTER 112

Reserved

CHAPTER 113

SANITARY LANDFILLS FOR MUNICIPAL

SOLID WASTE: GROUNDWATER PROTECTION SYSTEMS FOR THE DISPOSAL OF NONHAZARDOUS WASTES

- 113.1(455B) Purpose
- 113.2(455B) Applicability and compliance
- 113.3(455B) Definitions
- 113.4(455B) Permits
- 113.5(455B) Permit application requirements
- 113.6(455B) Siting and location requirements for MSWLFs
- 113.7(455B) MSWLF unit design and construction standards
- 113.8(455B) Operating requirements
- 113.9(455B) Environmental monitoring and corrective action requirements for air quality and landfill gas
- 113.10(455B) Environmental monitoring and corrective action requirements for groundwater and surface water
- 113.11(455B,455D) Record-keeping and reporting requirements

113.12(455B)	Closure criteria
113.13(455B)	Postclosure care requirements
113.14(455B)	Municipal solid waste landfill financial assurance
113.15(455B,455D)	Variances

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

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

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

CATHODE RAY TUBE DEVICE RECYCLING

100 1(455D 455D)	D
122.1(455B,455D)	1
	Applicability and compliance
122.3(455B,455D)	Definitions
122.4(455B,455D)	CRT recycling permits
122.5(455B,455D)	Registration for CRT collection facilities
122.6(455B,455D)	CRT collection and storage requirements for registered collection points
122.7(455B,455D)	Record-keeping requirements for CRT collection facilities
122.8(455B,455D)	CRT recycling facility permit application requirements
122.9(455B,455D)	Site requirements for CRT recycling facilities
122.10(455B,455D)	Design requirements for CRT recycling facilities
122.11(455B,455D)	Operational requirements for permitted CRT recycling facilities
122.12(455B,455D)	Further requirements for batteries for CRT recycling facilities
122.13(455B,455D)	Further requirements for circuit boards for CRT recycling facilities
122.14(455B,455D)	Further requirements for CRTs for CRT recycling facilities
122.15(455B,455D)	Further requirements for removal and disposal of mercury-containing components for CRT recycling facilities
122.16(455B,455D)	1 2 2
122.17(455B,455D)	Spills and releases at CRT recycling facilities
122.18(455B,455D)	CRT recycling facilities that shred CRTs
122.19(455B,455D)	Storage requirements for CRT recycling facilities
122.20(455B,455D)	ERRAP requirements for CRT recycling facilities
122.21(455B,455D)	Training requirements for CRT recycling facilities
122.22(455B,455D)	Reporting requirements for CRT recycling facilities
122.23(455B,455D)	Record-keeping requirements for CRT recycling facilities
122.24(455B,455D)	Closure requirements for CRT recycling facilities
122.25(455B,455D)	Financial assurance requirements for cathode ray tube (CRT) recycling
	facilities

CHAPTER 123

REGIONAL COLLECTION CENTERS AND SATELLITE FACILITIES

- 123.1(455F) Purpose
- 123.2(455B,455D,455F) Definitions
- 123.3(455F) Regional collection center license and license renewal
- 123.4(455F) Site, structure, storage, and staff qualifications
- 123.5(455F) Operations plans and procedures
- 123.6(455F) Closure notification
- 123.7(455F) Regional collection center reporting requirements

CHAPTERS 124 to 129

Reserved

TITLE IX SPILLS AND HAZARDOUS CONDITIONS

CHAPTER 130

Reserved

CHAPTER 131

NOTIFICATION OF HAZARDOUS CONDITIONS

131.1(455B) Definitions

131.2(455B) Report of hazardous conditions

CHAPTER 132 Reserved

CHAPTER 133 RULES FOR DETERMINING CLEANUP ACTIONS AND RESPONSIBLE PARTIES

133.1(455B,455E) Scope

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

CHAPTER 134

UNDERGROUND STORAGE TANK LICENSING AND CERTIFICATION PROGRAMS

PART A

CERTIFICATION OF GROUNDWATER PROFESSIONALS

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

PART B

CERTIFICATION OF UST COMPLIANCE INSPECTORS

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

PART C

LICENSING OF UST PROFESSIONALS

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

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

OWNERS ANI	D OPERATORS	OF	UNDERGROUND	STORAGE	TANK

- 135.1(455B) Authority, purpose and applicability
- 135.2(455B)Definitions125.2(455B)USET
- 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 Definitions
- 137.2(455H)
- Enrollment in land recycling program 137.3(455H)
- 137.4(455H) Background standards
- Statewide standards 137.5(455H)
- 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
- Demonstration of compliance 137.10(455H)
- No further action classification 137.11(455H)

CHAPTERS 138 and 139

Reserved

TITLE X HAZARDOUS WASTE

CHAPTERS 140 to 144 Reserved

CHAPTER 145 HOUSEHOLD BATTERIES

- 145.1(455B,455D) Scope
- 145.2(455B,455D) Definitions

145.3(455B,455D) Household batteries

- 145.4(455B,455D) Recycling/disposal requirements for household batteries
- 145.5(455B,455D) Exemptions for batteries used in rechargeable consumer products

CHAPTERS 146 to 148

Reserved

CHAPTER 149

FEES FOR TRANSPORTATION, TREATMENT AND DISPOSAL OF

HAZARDOUS WASTE

- 149.1(455B) Authority, purpose and applicability
- 149.2 Reserved
- Exclusions and effect on other fees 149.3(455B)
- 149.4(455B) Fee schedule
- 149.5(455B) Form, manner, time and place of filing
- Identification, sampling and analytical requirements 149.6(455B)
- Reporting and record keeping 149.7(455B)
- Failure to pay fees 149.8(455B)
- 149.9(455B) Suspension of fees

CHAPTERS 150 and 151

Reserved

CHAPTER 152 CRITERIA FOR SITING LOW-LEVEL RADIOACTIVE WASTE DISPOSAL FACILITIES

l 52.1(455B)	Authority, purpose and	scope
132.1(433B)	Authority, purpose and	scop

152.2(455B) Definitions

152.3(455B) Siting criteria

CHAPTERS 153 to 208

Reserved

CHAPTER 209

LANDFILL ALTERNATIVES FINANCIAL ASSISTANCE PROGRAMS

- 209.1(455B,455E) Goal
- 209.2(455B,455E) Purpose

209.3(455B,455E) Definitions

- 209.4(455B,455E) Role of the department
- 209.5(455B,455E) Funding sources
- 209.6(455B,455E) Reduced award
- 209.7(455B,455E) Fund disbursement limitations
- 209.8(455B,455E) Minimum cost share
- 209.9(455B,455E) Denial of financial assistance
- 209.10(455B,455E) Eligible costs
- 209.11(455B,455E) Ineligible costs
- 209.12(455B,455E) Applications
- 209.13(455B,455E) Selection
- 209.14(455B,455E) Written agreement
- 209.15(455B,455E) Solid waste alternatives program
- 209.16(455B,455E) Derelict building grant program

CHAPTER 210

Reserved

CHAPTER 211

FINANCIAL ASSISTANCE FOR THE MANAGEMENT OF HOUSEHOLD HAZARDOUS MATERIALS AND HAZARDOUS WASTE FROM VERY SMALL QUANTITY GENERATORS

- 211.1(455E,455F) Purpose
- 211.2(455E,455F) Definitions
- 211.3(455E,455F) Role of the department
- 211.4(455E,455F) Funding sources
- 211.5(455E,455F) Eligible costs
- 211.6(455E,455F) Ineligible costs
- 211.7(455E,455F) RCC and satellite facility financial assistance
- 211.8(455E,455F) Grant denial
- 211.9(455E,455F) RCC collection and disposal support funding

CHAPTER 212

Reserved

CHAPTER 213

PACKAGING—HEAVY METAL CONTENT

- 213.1(455D) Purpose
- 213.2(455D) Applicability
- 213.3(455D) Definitions
- 213.4(455D) Prohibition—schedule for removal of incidental amounts

- 213.5(455D) Certification of compliance
- 213.6(455D) Exemptions
- 213.7(455D) Inspection and penalties

Reserved

CHAPTER 215

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

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