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(1000	, beope

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

CHAPTER 11

TAX CERTIFICATION OF POLLUTION CONTROL OR RECYCLING PROPERTY

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

CHAPTER 12

ENVIRONMENTAL SELF-AUDITS

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

CHAPTER 13

WAIVERS OR VARIANCES FROM ADMINISTRATIVE RULES

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

CHAPTER 14

ENVIRONMENTAL COVENANTS

14.1(455B,455H) Definitions

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

CHAPTER 15

CROSS-MEDIA ELECTRONIC REPORTING

15.1(455B,554D) Purpose

CHAPTER 16

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

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

CHAPTER 17 COMPLIANCE AND ENFORCEMENT PROCEDURES

17.1(455B)	Scope
17.1(455D)	beope

17.2((455B)) E	Basis

17.3(455B) Option to respond

17.4(455B) Department discretion

CHAPTERS 18 and 19

Reserved

TITLE II AIR QUALITY

CHAPTER 20

SCOPE OF TITLE—DEFINITIONS—FORMS—RULES OF PRACTICE

20.1(455B,17A) Scope of title

20.2(455B) Definitions

CHAPTER 21

COMPLIANCE

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

CHAPTER 22

CONTROLLING POLLUTION

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

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

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

- 25.2(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(455B) Conformity of general federal actions to the Iowa state implementation plan or federal implementation plan
- 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

PROV	ISIONS 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

CHAPTER 35 AIR EMISSIONS REDUCTION ASSISTANCE PROGRAM

35.1(455B)	Purpose
35.2(455B)	Definitions
35.3(455B)	Role of the department of natural resources
35.4(455B)	Eligible projects
35.5(455B)	Forms
35.6(455B)	Project selection
35.7(455B)	Funding sources
35.8(455B)	Type of financial assistance
35.9(455B)	Term of loans
35.10(455B)	Reduced award
35.11(455B)	Fund disbursement limitations
35.12(455B)	Applicant cost share
35.13(455B)	Eligible costs
35.14(455B)	Ineligible costs
35 15(455B)	Written agreement

- 25.15(455B) Witten agreement
- 35.16(455B)Financial assistance denial

TITLE III

WITHDRAWAL DIVERSION, STORAGE AND USE OF WATER DIVISION A

WATER WELL CONSTRUCTION: GENERAL STANDARDS AND REGISTRATION OF CONTRACTORS

CHAPTERS 36 and 37

Reserved

CHAPTER 38

PRIVATE WATER WELL CONSTRUCTION PERMITS

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

CHAPTER 39

REQUIREMENTS FOR PROPERLY PLUGGING ABANDONED WELLS

- 39.1(455B) Purpose
- 39.2(455B) Applicability
- 39.3(455B) Definitions
- 39.4(455B) Forms
- 39.5(455B) Abandoned well plugging schedule

- 39.6(455B) Abandoned well owner responsibilities
- 39.7(455B) Abandoned well plugging materials
- 39.8(455B) Abandoned well plugging procedures
- 39.9(455B) Designated agent
- 39.10(455B)Designation of standby wells
- 39.11(455B) Variances

DIVISION B DRINKING WATER

.....

CHAPTER 40

SCOPE OF DIVISION—DEFINITIONS—FORMS—RULES OF PRACTICE

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

CHAPTER 41

WATER SUPPLIES

- 41.1(455B) Primary drinking water regulations—coverage
- 41.2(455B) Biological maximum contaminant levels (MCL) and monitoring requirements
- 41.3(455B) Maximum contaminant levels (MCLs) and monitoring requirements for inorganic contaminants other than lead or copper
- 41.4(455B) Lead, copper, and corrosivity

Reserved

- 41.5(455B) Organic chemicals
- 41.6(455B) Disinfection byproducts maximum contaminant levels and monitoring requirements
- 41.7
- 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
43.11(455B)	Enhanced treatment for Cryptosporidium
43.12(455B)	Optimization goals

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

Purpose
Definitions
Applicability
General
Variances
Location of wells
General construction requirements
Types of well construction
Material standards
Well reconstruction
Disposal of drilling mud
Pumps and pumping equipment
Drop pipe
Pump wiring
Pitless adapters and pitless units
Well caps and seals
Vents
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 p	permits
-------------	-----------------	---------

52.21(455B) Permits to divert water to an agricultural drainage well

CHAPTER 53

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

LIST OF PROTECTED SOURCES

- 53.1(455B) Scope of chapter
- 53.2(455B) Designation of protected sources
- 53.3(455B) Purposes of designating a protected source
- 53.4(455B) Designation procedure
- 53.5(455B) Information requirements for applications to withdraw water from protected sources
- 53.6(455B) Conditions in permits for withdrawals of water from a protected source
- 53.7(455B) List of protected water sources

CHAPTER 54

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

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

CHAPTER 55

AQUIFER STORAGE AND RECOVERY:

CRITERIA AND CONDITIONS FOR AUTHORIZING STORAGE,

RECOVERY, AND USE OF WATER

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

CHAPTERS 56 to 59

Reserved

TITLE IV

WASTEWATER TREATMENT AND DISPOSAL

CHAPTER 60

SCOPE OF TITLE—DEFINITIONS—FORMS—RULES OF PRACTICE

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

CHAPTER 61 WATER QUALITY STANDARDS

WATER QUALITY STANDARDS

61.1	Reserved	
(1.2)(455D)	C	

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

VOLUNTEER MONITORING DATA REQUIREMENTS

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

CHAPTER 62

EFFLUENT AND PRETREATMENT STANDARDS:

OTHER EFFLUENT LIMITATIONS OR PROHIBITIONS

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

CHAPTER 63

MONITORING, ANALYTICAL AND REPORTING REQUIREMENTS

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

CHAPTER 64

WASTEWATER CONSTRUCTION AND OPERATION PERMITS

- 64.1 Reserved
- 64.2(455B) Permit to construct

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

ANIMAL FEEDING OPERATIONS

DIVISION I

CONFINEMENT FEEDING OPERATIONS

65.1(459,459B)	Definitions
65.2(459,459B)	Minimum manure control requirements and reporting of releases
65.3(459,459B)	Requirements and recommended practices for land application of manure
65.4	Reserved
65.5(459,459B)	Departmental evaluation
65.6(459,459B)	Concentrated animal feeding operations; NPDES permits
65.7(459,459B)	Construction permits—required approvals, permits, determinations and declaratory orders
65.8(459,459B)	Construction
65.9(459,459B)	Preconstruction submittal requirements
65.10(459,459B)	Construction permit application review process, site inspections and complaint investigations
65.11(459,459B)	Confinement feeding operation and stockpile separation distance requirements
65.12(459,459B)	Exemptions and variances to confinement feeding operation and stockpile
00.12(10),10)D)	separation distance requirements and prohibition of construction on the one
	hundred year flood plain
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 OPEN ATIONS

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)	Water well separation distances for open feedlot operations
65.109(459A)	Settled open feedlot effluent basins-investigation, design and construction
	requirements
65.110(459A)	AT systems—design requirements
65.111(459A)	Construction certification
65.112(459A)	Nutrient management plan requirements
65.113(459A)	Complaint investigations

65.114(455B,459A) Transfer of legal responsibilities or title

CHAPTER 66

PESTICIDE APPLICATION TO WATERS

66.1(455B) Aquatic pesticide

CHAPTER 67

STANDARDS FOR THE LAND APPLICATION OF SEWAGE SLUDGE

67.1(455B) Land application of sewage sludge

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

CHAPTER 68

COMMERCIAL SEPTIC TANK CLEANERS

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

CHAPTER 69

PRIVATE SEWAGE DISPOSAL SYSTEMS

- 69.1(455B) General
- 69.2(455B) Time of transfer inspections
- 69.3(455B) Site analysis
- 69.4(455B) Requirements when effluent is discharged into surface water
- 69.5(455B) Requirements when effluent is discharged above the ground surface
- 69.6(455B) Requirements when effluent is discharged into the soil

69.7(455B)	Building sewers
69.8(455B)	Primary treatment—septic tanks
69.9(455B)	Secondary treatment—subsurface soil absorption systems
69.10(455B)	Mound systems
69.11(455B)	At-grade systems
69.12(455B)	Drip irrigation
69.13(455B)	Packed bed media filters
69.14(455B)	Aerobic treatment units
69.15(455B)	Constructed wetlands
69.16(455B)	Waste stabilization ponds
69.17(455B)	Requirements for impervious vault toilets
69.18(455B)	Requirements for portable toilets
69.19(455B)	Other methods of wastewater disposal
69.20(455B)	Disposal of septage from private sewage disposal systems
69.21(455B)	Experimental private sewage disposal systems
69.22(455B)	Variances

TITLE V FLOOD PLAIN DEVELOPMENT

CHAPTER 70

SCOPE OF TITLE—DEFINITIONS—FORMS—RULES OF PRACTICE

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

CHAPTER 71

FLOOD PLAIN OR FLOODWAY DEVELOPMENT— WHEN APPROVAL IS REQUIRED

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

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

PROTECTED STREAM DESIGNATION PROCEDURE

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

CHAPTER 73

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

DIVISION I

USE AND MAINTENANCE OF DAMS 73 1(109 455B) Operating plan for dams with movable structures

/3.1(109,433D)	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

73.31(109,455B)Criteria for designating a dam as unsafe73.32(109,455B)Agency action concerning an unsafe dam

CHAPTER 74 Reserved

CHAPTER 75

MANAGEMENT OF SPECIFIC FLOOD PLAIN AREAS

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

CHAPTER 76

FEDERAL WATER RESOURCE PROJECTS

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

CHAPTERS 77 to 79

Reserved

TITLE VI CERTIFICATION OF OPERATORS

CHAPTER 80 Reserved

CHAPTER 81

OPERATOR CERTIFICATION: PUBLIC WATER SUPPLY SYSTEMS AND WASTEWATER TREATMENT SYSTEMS

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

CHAPTER 82 WELL CONTRACTOR CERTIFICATION

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

82.14(455B,272C) Revocation of certificates

CHAPTER 83

LABORATORY CERTIFICATION

PART A

GENERAL

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

PART B

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

CHAPTERS 84 to 89

Reserved

TITLE VII

WATER POLLUTION CONTROL STATE REVOLVING FUND

CHAPTER 90

SCOPE OF TITLE — DEFINITIONS — FORMS

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

CHAPTER 91

CRITERIA FOR RATING AND RANKING PROJECTS

FOR THE WATER POLLUTION CONTROL STATE REVOLVING FUND

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

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 authority93.2(455B,466)Scope of title93.3(455B,466)Purpose93.4(455B,466)Onsite wastewater system assistance program93.5(455B)Livestock water quality facilities requirements93.6(455B)Local water protection project requirements93.7(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(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 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
	T 0 1

- 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) P	ermit requirements for solid waste composting facilities
105.8(455B,455D) P	ermit application requirements for solid waste composting facilities
105.9(455B,455D) S	pecific 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)	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: LICTS AS RESOLUCES AND ALTERNATIVE COVER MATERIA

SOLID BY-PRODUCTS AS RESOURCES AND ALTERNATIVE COVER MATERIAL

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

CHAPTER 109

SPECIAL WASTE AUTHORIZATIONS

- 109.1(455B,455D) Purpose
- 109.2(455B,455D) Special waste authorization required
- 109.3(455B,455D) Definitions
- 109.4 Reserved
- 109.5(455B,455D) Applications
- 109.6(455B,455D) Restrictions
- 109.7(455B,455D) Landfill responsibilities
- 109.8(455B,455D) Special waste generator responsibilities
- 109.9(455B,455D) Infectious waste
- 109.10(455B,455D) Other special wastes
- 109.11(455B,455D) Conditions and requirements for the disposal of general special wastes

CHAPTER 110

Reserved

CHAPTER 111

ANNUAL REPORTS OF SOLID WASTE ENVIRONMENTAL MANAGEMENT SYSTEMS

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

CHAPTER 112

Reserved

CHAPTER 113 SANITARY LANDFILLS FOR MUNICIPAL SOLID WASTE: GROUNDWATER PROTECTION SYSTEMS FOR THE DISPOSAL OF NONHAZARDOUS WASTES

113.1(455B)	Purpose
113.2(455B)	Applicability and compliance
113.3(455B)	Definitions
113.4(455B)	Permits
113.5(455B)	Permit application requirements
113.6(455B)	Siting and location requirements for MSWLFs
113.7(455B)	MSWLF unit design and construction standards
113.8(455B)	Operating requirements
113.9(455B)	Environmental monitoring and corrective action requirements for air quality and
	landfill gas
113.10(455B)	Environmental monitoring and corrective action requirements for groundwater
	and surface water
113.11(455B,455D)	Record-keeping and reporting requirements
113.12(455B)	Closure criteria
113.13(455B)	Postclosure care requirements
113.14(455B)	Municipal solid waste landfill financial assurance
113.15(455B,455D)	Variances

CHAPTER 114

SANITARY LANDFILLS: CONSTRUCTION AND DEMOLITION WASTES

114.1(455B) Scope and applicability

114.2(455B)	Permit required
-------------	-----------------

- 114.3(455B) Types of permits
- 114.4(455B) Applications for permits
- 114.5(455B) Preparation of plans
- 114.6(455B) Construction and operation
- 114.7(455B) Compliance with rule changes
- 114.8(455B) Amendments
- 114.9(455B) Transfer of title and permit
- 114.10(455B) Permit conditions
- 114.11(455B) Effect of revocation
- 114.12(455B) Inspection prior to start-up
- 114.13(455B) Primary plan requirements for all sanitary disposal projects
- 114.14(455B) Hydrologic monitoring system planning requirements
- 114.15(455B) Soil investigation
- 114.16(455B) Hydrogeologic investigation
- 114.17(455B) Hydrologic monitoring system planning report requirements
- 114.18(455B) Evaluation of hydrogeologic conditions
- 114.19(455B) Monitoring system plan
- 114.20(455B) Sampling protocol
- 114.21(455B) Monitoring well maintenance and performance reevaluation plan
- 114.22(455B) Monitoring well siting requirements
- 114.23(455B) Monitoring well/soil boring construction standards
- 114.24(455B) Sealing abandoned wells and boreholes
- 114.25(455B) Variance from design, construction, and operation standards
- 114.26(455B) General requirements for all sanitary landfills
- 114.27(455B) Operating requirements for all sanitary disposal projects

114.28(455B)	Specific requirements for a sanitary landfill proposing to accept only construction
	and demolition waste
114.29(455B)	Operator certification
114.30(455B)	Emergency response and remedial action plans

114.31(455B) Construction and demolition wastes sanitary landfill financial assurance

CHAPTER 115

SANITARY LANDFILLS: INDUSTRIAL MONOFILLS

- 115.1(455B)Scope and applicability
- 115.2(455B) Permit required
- 115.3(455B) Types of permits
- 115.4(455B) Applications for permits
- 115.5(455B) Preparation of plans
- 115.6(455B) Construction and operation
- 115.7(455B) Compliance with rule changes
- 115.8(455B) Amendments
- 115.9(455B) Transfer of title and permit
- 115.10(455B) Permit conditions
- 115.11(455B) Effect of revocation
- 115.12(455B) Inspection prior to start-up
- 115.13(455B) Primary plan requirements for all sanitary disposal projects
- 115.14(455B) Hydrologic monitoring system planning requirements
- 115.15(455B) Soil investigation
- 115.16(455B) Hydrogeologic investigation
- 115.17(455B) Hydrologic monitoring system planning report requirements
- 115.18(455B) Evaluation of hydrogeologic conditions
- 115.19(455B) Monitoring system plan
- 115.20(455B) Sampling protocol
- 115.21(455B) Monitoring well maintenance and performance reevaluation plan
- 115.22(455B) Monitoring well siting requirements
- 115.23(455B) Monitoring well/soil boring construction standards
- 115.24(455B) Sealing abandoned wells and boreholes
- 115.25(455B) Variance from design, construction, and operation standards
- 115.26(455B) General requirements for all sanitary landfills
- 115.27(455B) Operating requirements for all sanitary disposal projects
- 115.28(455B)Specific requirements for a sanitary landfill proposing to accept a specific type
of solid waste
- 115.29(455B) Operator certification
- 115.30(455B) Emergency response and remedial action plans
- 115.31(455B) Industrial monofill sanitary landfill financial assurance

CHAPTER 116

REGISTRATION OF WASTE TIRE HAULERS

- 116.1(455B,455D) Purpose
- 116.2(455B,455D) Definitions
- 116.3(455B,455D) Registration requirement
- 116.4(455B,455D) Registration form
- 116.5(455B,455D) Registration fee
- 116.6(455B,455D) Bond form
- 116.7(455B,455D) Marking of equipment
- 116.8(455B,455D) Disposition of waste tires collected
- 116.9(455B,455D) Reporting requirements

CHAPTER 117 WASTE TIRE MANAGEMENT

117.1(455B,455D)	Purpose
117.2(455B,455D)	Definitions
117.3(455B,455D)	Waste tire disposal
117.4(455B,455D)	Waste tire storage permits and requirements
117.5(455B,455D)	Used tire storage
117.6(455B,455D)	Waste tire processing facility permits and requirements
117.7(455B,455D)	Financial assurance for waste tire sites
117.8(455B,455D)	Beneficial uses of waste tires
	CHAPTER 118
	DISCARDED APPLIANCE DEMANUFACTURING

- 118.1(455B,455D) Purpose 118.2(455B,455D) Applicability and compliance
- 118.3(455B,455D) Definitions
- 118.4(455B,455D) Storage and handling of appliances prior to demanufacturing
- 118.5(455B,455D) Appliance demanufacturing permits
- 118.6(455B,455D) Appliance demanufacturing permit application requirements
- 118.7(455B,455D) Fixed facilities and mobile operations
- 118.8(455B,455D) Training
- 118.9(455B,455D) Refrigerant removal requirements
- 118.10(455B,455D) Mercury-containing component removal and disposal requirements
- 118.11(455B,455D) Capacitor removal requirements
- 118.12(455B,455D) Spills
- 118.13(455B,455D) Record keeping and reporting
- 118.14(455B,455D) Appliance demanufacturing facility closure requirements
- 118.15(455B,455D) Shredding of appliances
- 118.16(455B,455D) Appliance demanufacturing facility financial assurance requirements

CHAPTER 119

USED OIL AND USED OIL FILTERS

- 119.1(455D,455B) Authority, purpose, and applicability
- 119.2(455D,455B) Definitions
- 119.3(455D,455B) Prohibited disposal
- 119.4(455D,455B) Operational requirements for acceptance of used oil
- 119.5(455D,455B) Operational requirements for acceptance of used oil filters
- 119.6(455D,455B) Oil retailer requirements
- 119.7(455D,455B) Oil filter retailer requirements
- 119.8(455D,455B) Tanks
- 119.9(455D,455B) Locating collection sites

CHAPTER 120

LANDFARMING OF PETROLEUM CONTAMINATED SOIL

- 120.1(455B) Purpose
- 120.2(455B) Applicability and compliance
- 120.3(455B) Definitions
- 120.4(455B) Landfarming permits
- 120.5(455B) Landfarm permit application requirements
- 120.6(455B) PCS analysis and characterization
- 120.7(455B) Site exploration and suitability requirements for landfarms
- 120.8(455B) Landfarm design requirements
- 120.9(455B) Landfarm operating requirements

- 120.10(455B) Emergency response and remedial action plans
- 120.11(455B) Reporting and record-keeping requirements
- 120.12(455B) Landfarm closure
- 120.13(455B,455D) Financial assurance requirements for multiuse and single-use landfarms

LAND APPLICATION OF WASTES

- 121.1(455B,17A) Scope of title
- 121.2(455B) Definitions
- 121.3(455B) Application for permits and forms
- 121.4(455B) Land application of solid wastes
- 121.5(455B) Land application of solid wastes for home and certain crop use
- 121.6(455B) Permit exemptions
- 121.7(455B) Permit requirements
- 121.8(455B,455D) Financial assurance requirements for land application of wastes

CHAPTER 122

CATHODE RAY TUBE DEVICE RECYCLING

- 122.1(455B,455D) Purpose
- 122.2(455B,455D) Applicability and compliance
- 122.3(455B,455D) Definitions
- 122.4(455B,455D) CRT recycling permits
- 122.5(455B,455D) Registration for CRT collection facilities
- 122.6(455B,455D) CRT collection and storage requirements for registered collection points
- 122.7(455B,455D) Record-keeping requirements for CRT collection facilities
- 122.8(455B,455D) CRT recycling facility permit application requirements
- 122.9(455B,455D) Site requirements for CRT recycling facilities
- 122.10(455B,455D) Design requirements for CRT recycling facilities
- 122.11(455B,455D) Operational requirements for permitted CRT recycling facilities
- 122.12(455B,455D) Further requirements for batteries for CRT recycling facilities
- 122.13(455B,455D) Further requirements for circuit boards for CRT recycling facilities
- 122.14(455B,455D) Further requirements for CRTs for CRT recycling facilities
- 122.15(455B,455D) Further requirements for removal and disposal of mercury-containing components for CRT recycling facilities
- 122.16(455B,455D) Further requirements for removal and disposal of PCB capacitors for CRT recycling facilities
- 122.17(455B,455D) Spills and releases at CRT recycling facilities
- 122.18(455B,455D) CRT recycling facilities that shred CRTs
- 122.19(455B,455D) Storage requirements for CRT recycling facilities
- 122.20(455B,455D) ERRAP requirements for CRT recycling facilities
- 122.21(455B,455D) Training requirements for CRT recycling facilities
- 122.22(455B,455D) Reporting requirements for CRT recycling facilities
- 122.23(455B,455D) Record-keeping requirements for CRT recycling facilities
- 122.24(455B,455D) Closure requirements for CRT recycling facilities
- 122.25(455B,455D) Financial assurance requirements for cathode ray tube (CRT) recycling facilities

CHAPTER 123

REGIONAL COLLECTION CENTERS AND

MOBILE UNIT COLLECTION AND CONSOLIDATION CENTERS

- 123.1(455B,455D,455F) Purpose
- 123.2(455B,455D,455F) Definitions
- 123.3(455B,455D,455F) Requirements for satellite facilities

123.4(455B,455D,455F) Regional collection center and mobile unit collection and consolidation
center permits
123.5(455B,455D,455F) Permit application requirements for regional collection centers
123.6(455B,455D,455F) Permit application requirements for mobile unit collection and consolidation
centers
123.7(455B,455D,455F) Site selection
123.8(455B,455D,455F) Structures
123.9(455B,455D,455F) Staff qualifications
123.10(455B,455D,455F) Plans and procedures
123.11(455B,455D,455F) Emergency response and remedial action plans
123.12(455B,455D,455F) Reporting requirements
123.13(455B,455D,455F) Financial assurance requirements for regional collection centers and mobile
unit collection and consolidation centers

CHAPTERS 124 to 129

Reserved

TITLE IX SPILLS AND HAZARDOUS CONDITIONS

CHAPTER 130 Reserved

CHAPTER 131

NOTIFICATION OF HAZARDOUS CONDITIONS

131.1(455B)	Definitions
-------------	-------------

131.2(455B) Report of hazardous conditions

CHAPTER 132

Reserved

CHAPTER 133

RULES FOR DETERMINING CLEANUP ACTIONS AND RESPONSIBLE PARTIES

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

CHAPTER 134

UNDERGROUND STORAGE TANK LICENSING AND CERTIFICATION PROGRAMS

PART A

CERTIFICATION OF GROUNDWATER PROFESSIONALS

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

PART B

CERTIFICATION OF UST COMPLIANCE INSPECTORS

- 134.6(455B) Definition
- 134.7(455B) Certification requirements for UST compliance inspectors

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

PART C

LICENSING OF UST PROFESSIONALS

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

CHAPTER 135

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

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

FINANCIAL RESPONSIBILITY FOR UNDERGROUND STORAGE TANKS

PINAIN	CIAL RESPONSIBILITI FOR UNDERGROUND STORAGE TAINES
136.1(455B)	Applicability
136.2	Reserved
136.3(455B)	Definition of terms
136.4(455B)	Amount and scope of required financial responsibility
136.5(455B)	Allowable mechanisms and combinations of mechanisms
136.6(455B)	Financial test of self-insurance
136.7(455B)	Guarantee
136.8(455B)	Insurance and risk retention group coverage
136.9(455B)	Surety bond
136.10(455B)	Letter of credit
136.11(455B)	Trust fund
136.12(455B)	Standby trust fund
136.13(455B)	Local government bond rating test
136.14(455B)	Local government financial test
136.15(455B)	Local government guarantee
136.16(455B)	Local government fund
136.17(455B)	Substitution of financial assurance mechanisms by owner or operator
136.18(455B)	Cancellation or nonrenewal by a provider of financial assurance
136.19(455B)	Reporting by owner or operator
136.20(455B)	Record keeping
136.21(455B)	Drawing on financial assurance mechanisms
136.22(455B)	Release from the requirements
136.23(455B)	Bankruptcy or other incapacity of owner or operator or provider of financial assurance
136.24(455B)	Replenishment of guarantees, letters of credit, or surety bonds
	CHAPTER 137
	IOWA LAND RECYCLING PROGRAM AND
	RESPONSE ACTION STANDARDS
137.1(455H)	Authority, purpose and applicability
137.2(455H)	Definitions
137.3(455H)	Enrollment in land recycling program
137.4(455H)	Background standards
137.5(455H)	Statewide standards
137.6(455H)	Site-specific standards
137.7(455H)	Institutional and technological controls
137.8(455H)	Site assessment
137.9(455H)	Risk evaluation/response action
137.10(455H)	Demonstration of compliance
137.11(455H)	No further action classification

CHAPTERS 138 and 139 Reserved

TITLE X HAZARDOUS WASTE

CHAPTERS 140 to 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 to 148

Reserved

CHAPTER 149

FEES FOR TRANSPORTATION, TREATMENT AND DISPOSAL OF

HAZARDOUS WASTE

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

CHAPTERS 150 and 151

Reserved

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

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

CHAPTERS 153 to 208

Reserved

CHAPTER 209

LANDFILL ALTERNATIVES FINANCIAL ASSISTANCE PROGRAMS

- 209.1(455B,455E) Goal
- 209.2(455B,455E) Purpose
- 209.3(455B,455E) Definitions
- 209.4(455B,455E) Role of the department
- 209.5(455B,455E) Funding sources
- 209.6(455B,455E) Reduced award
- 209.7(455B,455E) Fund disbursement limitations

209.8(455B,455E)	Minimum cost share
209.9(455B,455E)	Denial of financial assistance
209.10(455B,455E)	Eligible costs
209.11(455B,455E)	Ineligible costs
209.12(455B,455E)	Applications
209.13(455B,455E)	Selection
209.14(455B,455E)	Written agreement
209.15(455B,455E)	Solid waste alternatives program
209.16(455B,455E)	Derelict building grant program

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

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