Appendix A – IEPA Compliance Summary Table

Regulation	Compliance Text	Location in Application
Compliance Summary Table		
TITLE 35 SECTION 811		
Subpart A: General Standards for All Landfills		
811.101 - Scope and Applicability		---
811.102 - Location Standards		
811.102(a)	The facility shall meet all requirements under the Wild and Scenic River Act.	Section 2.1, Appendix F
811.102(b)	The facility shall not 1) restrict the flow of a 100-year flood, 2) reduce the temporary water storage capacity of the 100-year floodplain, or 3) result in washout of solid waste from the 100-year flood.	Section 2.1, Appendix F
811.102(c)	The facility shall not pose a threat of harm or destruction to features for which a: 1) Historic Site, 2) Archaeological Site, 3) Natural Landmark, or 4) Natural Area was designated.	Section 2.1, Appendix F
811.102(d)	The facility shall not jeopardize or take any endangered species, result in the destruction of critical habitat for such species, or contribute to the taking of endangered or threatened species.	Section 2.1, Appendix F
811.102(e)	The facility shall not cause a violation of Section 404 of the Clean Water Act.	Section 2.1, Appendix F
811.102(f)	The facility shall not cause a violation of any area-wide or state-wide water quality management plan for non-point source pollution.	Section 2.1, Appendix F
811.103 - Surface Water Drainage		
811.103(a)	Run-off from disturbed areas must meet the requirements of 35 Ill. Adm. Code 304 and 309. All discharge structures shall be designed to prevent erosion and scouring	Section 2.4, Appendix M, and Design Drawings
811.103(b)	Run-on from undisturbed areas shall be diverted around the disturbed areas.	Section 2.4, Appendix M, and Design Drawings
811.104 - Survey Controls		
811.104(a)	All boundaries should be inspected annually and should also be surveyed and clearly mark for identification by a professional land survey at least every 5 years. Control monuments shall be established to check vertical elevations.	Section 2.6 and Appendix R
811.104(b)		
811.104(c)		
811.104(d)		
811.105 - Compaction	All wastes shall be deposited at the lowest part of the active face, and compacted to the highest achievable density to minimize void space and settlement.	Section 2.6 and Appendix R
811.106 - Daily Cover		
811.106(a)	Six inches of clean soil material or alternate materials achieving equivalent performance shall be placed on all exposed waste by the end of each day of operation	Section 2.6, Appendix R, and Design Drawings
811.106(b)	Alternative materials or procedures may be used if they are equivalent or superior in performance.	Section 2.6 and Appendix R
811.106(c)	Any alternative frequencies for cover requirements for a MSWLF that disposes 20 tons of municipal solid waste per day or less based on an annual average must be established by an adjusted standard pursuant to Section 28.1 of the Act and Subpart D of 35 Ill. Adm. Code 104.	N/A
811.107 - Operating Standards		
811.107(a)	Waste shall be placed in a manner and at such a rate that mass stability is provided during all phases of the operations. Operations shall be phased in such a way that discrete units will be constructed, filled and closed sequentially and within an operating period that is shorter than the operating period of the landfill.	Section 2.3 and Design Drawings
811.107(b)	The working face of the unit shall be no larger than is necessary, and contain slopes no steeper than 2 horizontal to 1 vertical.	Section 2.6 and Appendix R
811.107(c)	Equipment shall be maintained and available for use at the facility during all hours of operation.	Section 2.6 and Appendix R
811.107(d)	All utilities necessary for safe operation shall be available at the facility at all times.	Section 2.6 and Appendix R
811.107(e)	The operator shall maintain and operate all systems and related structures in a manner that facilitates proper operations.	Section 2.6 and Appendix R
811.107(f)	Open burning is prohibited except in accordance with 35 Ill. Adm. Code 200 through 245.	Section 2.6 and Appendix R
811.107(g)	The operator shall implement methods for controlling dust so as to prevent wind dispersal of particulate matter.	Section 2.6 and Appendix R
811.107(h)	The facility shall be designed, constructed, and maintained to minimize the level of equipment noise audible outside the facility, and it shall not cause or contribute to a violation of 35 IAC 900-905 or Section 24 of the Act.	Section 2.6 and Appendix R
811.107(i)	Measures shall be implemented to control the population of disease and nuisance vectors.	Section 2.6 and Appendix R
811.107(j)	The operator shall institute fire protection measures.	Appendix E
811.107(k)	Daily checks are to be made for litter accumulations followed by collection and disposal of any litter. All solid waste haulers are required to have covers to prevent litter, unless the nature of the solid waste cannot cause litter during transportation to the facility. Failure to comply with the requirement for cover will result in rejection of the waste load.	Section 2.6 and Appendix R
811.107(l)	The facility shall implement methods to prevent tracking of mud by hauling vehicles onto public roadways.	Section 2.6 and Appendix R
811.107(m)	Bulk or non-containerized liquid waste may not be placed in MSWLF units, unless the waste is small household wastes, recirculated leachate, or gas condensate.	Section 2.6 and Appendix R

APTIM

Regulation	Compliance Text	Location in Application
811.108 - Salvaging		
811.108(a)	Salvaging will not interfere with the operations of the facility and must be performed in a safe and sanitary manner.	Section 2.6 and Appendix R
811.108(b)		
811.108(c)		
811.109 - Boundary Control		
811.109(a)	Access shall be restricted to prevent unauthorized entry at all times.	Section 2.6 and Appendix R
811.109(b)	A sign shall be posted at the entrance to the facility stating that disposal of hazardous waste is prohibited.	Section 2.6 and Appendix R
811.110 - Closure and Written Closure Plan		
811.110(a)	The final slopes and contours shall blend with the surrounding topography, safely pass runoff without erosion, and minimize the need for further maintenance.	Section 2.3, Section 2.4, Appendix M, and Design Drawings
811.110(b)		
811.110(c)		
811.110(d)	An owner or operator of a MSWLF unit shall include a written closure plan that describes all actions to close the unit and includes an estimate of the largest area requiring cover at any time and an estimate of the maximum inventory of waste ever on-site.	Section 2.9 and Appendix S
811.110(e)	Closure shall be initiated within 30 days of the final receipt of waste or one year from the final receipt of waste if there is a reasonable likelihood that more waste will be received.	Section 2.9 and Appendix S
811.110(f)	Closure activities must be completed within 180 days of initiation.	Section 2.9 and Appendix S
811.110(g)	Following closure of all MSWLF units, the owner or operator shall record a notation on the deed that the site has been developed as a landfill and that its use is restricted pursuant to 811.111(d).	Section 2.9 and Appendix S
811.110(h)	The Agency shall allow the owner or operator of a MSWLF unit to remove the notation from the deed only if the owner or operator demonstrates to the Agency all wastes are removed from the facility.	Section 2.9 and Appendix S
811.111 - Postclosure Maintenance		
811.111(a)	The operator will clean up the site by properly disposing of any waste and removing all equipment and structures not necessary for the post-closure land use.	Section 2.9 and Appendix S
811.111(b)		
811.111(c)	Quarterly inspections of the final cover will take place for a minimum period of 30 years after closure for MSWLF units, unless reduced by the IEPA. Any areas that do not conform to a smooth uniform final cover must be corrected.	Section 2.9 and Appendix S
811.111(d)	The use of property after closure of an MSWLF unit is restricted to activities which will not affect the integrity of the final cover, liner system, or other component of the containment system.	Section 2.9 and Appendix S
811.112 - Recordkeeping Requirements for MSWLF Units		
811.112(a)	The owner or operator of a MSWLF must record and retain all information submitted to the Agency pursuant to Part 812 and 813 as it becomes available. At a minimum the following information is requested: 1) compliance with location standards;	Section 2.6 and Appendix R
811.112(b)	2) inspection records, training procedures, and notification procedures;	Section 2.6 and Appendix R
811.112(c)	3) gas monitoring results and remediation plans;	Section 2.6 and Appendix R
811.112(d)	4) design documentation for placement of leachate or gas condensate in unit;	Section 2.6 and Appendix R
811.112(e)	5) monitoring, testing, or analytical data pertaining to the groundwater monitoring program;	Section 2.6 and Appendix R
811.112(f)	6) closure and post-closure care plans, and 7) cost estimates and financial assurance documents.	Section 2.6 and Appendix R
811.112(g)		
811.113 - Electronic Reporting	Any electronic document is subject to 35 Ill. Adm. Code 720.104.	N/A
Subpart C: Putrescible and Chemical Waste Landfills		
811.301 - Scope and Applicability		---
811.302 - Facility Location		
811.302(a)	The facility may not be located within the setback zone established pursuant to Section 14.2 or 14.3 of the Act.	Section 2.1 and Appendix F
811.302(b)	No part of a unit shall be located within 1,200 feet vertically or horizontally of a sole source aquifer, unless an impermeable situation exists below the unit.	Section 2.1
811.302(c)	A facility (landfill or waste disposal site) that is located within 500 feet of a township or county road or state or interstate highway shall have its operations screened from view by a barrier no less than 8 feet in height.	Section 2.1 and Design Drawings
811.302(d)	No part of a unit shall be located closer than 152 meters (500 feet) from an occupied dwelling, school, or hospital that was occupied on the date when the operator first applied for a permit to develop the unit or the Facility containing the unit, unless the owner of such dwelling, school, or hospital provides permission to the operator, in writing, for a closer distance.	Section 2.1 and Appendix F
811.302(e)	The facility may not be located closer than 1,525 meters (5,000 feet) of any runway used by piston type aircraft or within 3,050 (10,000 feet) of any runway used by turbojet aircraft unless the Federal Aviation Administration (FAA) provides the operator with written permission, including technical justification, for a closer distance within seven days after filing a permit application.	Section 2.1 and Appendix F
811.302(f)		

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811.303 - Design Period		
811.303(a)	The design period for putrescible and chemical waste disposal units shall be the estimated operating life plus a post-closure care period of 30 years.	Section 2.3, Section 2.9, and Appendix S
811.303(b)	The design period for a unit which accepts only putrescible waste in shredded form shall be the estimated operating life plus 20 years of postclosure care.	N/A
811.303(c)	The design period for a putrescible waste disposal unit that recycles leachate in accordance with Section 811.309(f) shall be the estimated operating life plus 20 years of postclosure.	N/A
811.303(d)	The owner or operator of MSWLF unit may petition the Board to reduce the post-closure care period.	Section 2.9 and Appendix S
811.304 - Foundation and Mass Stability Analysis		
811.304(a)	The Facility (landfill or waste disposal unit) shall not be located in an unstable area unless engineering measures have been incorporated to ensure the integrity of the structural components.	Section 2.3 and Appendix J
811.304(b)		
811.304(c)	The unit shall be designed to achieve the desired safety factors against bearing capacity failure and slope failure for static and seismic conditions in both long and short term conditions.	Section 2.3 and Appendix J
811.304(d)		
811.304(e)		
811.304(f)		
811.305 - Foundation Construction		
811.305(a)	The foundation shall be of sufficient strength and be clean of debris or be replaced.	Section 2.3
811.305(b)		
811.305(c)		
811.305(d)	Work with frozen soil is prohibited.	Section 2.3
811.305(e)	The foundation shall have a smooth, workable surface.	Section 2.3
811.306 - Liner Systems		
811.306(a)	All new units and lateral expansions units shall be equipped with a compacted earth liner.	Section 2.3 and Design Drawings
811.306(b)	The liner system shall be stable during all phases of construction and operation	Section 2.3 and Appendix J
811.306(c)		
811.306(d)	The compacted earth liner should be 5 feet thick with a hydraulic conductivity of 1x10-7 cm/sec, unless a composite liner is used, with a 60-mil HDPE geomembrane and a 3-foot thick compacted earth liner is used.	Section 2.3 and Design Drawings
811.306(e)		
811.306(f)	Slurry trenches and cutoff walls built to contain leachate migration shall be used only in conjunction with a compacted earth liner and a leachate drainage system.	N/A
811.306(g)	Liner configurations other than those specified, special construction techniques, and admixtures may be utilized. The alternative technology must be superior or equivalent in performance.	N/A
811.307 - Leachate Drainage System		
811.307(a)	The leachate collection system shall be stable during all phases of construction and operation	Section 2.3, Appendix J, Appendix K, and Design Drawings
811.307(b)	All new units and lateral expansions must have a leachate drainage system designed to maintain a maximum head of leachate 1 foot above the liner.	Section 2.3 and Appendix K
811.307(c)	The drainage layer shall be no less than 1 foot thick and shall have a hydraulic conductivity equal to or greater than 1x10-3 cm/sec.	Section 2.3, Appendix J, Appendix K, and Design Drawings
811.307(d)	Laminar flow will be maintained.	Section 2.3 and Appendix K
811.307(e)	A graded filter or geotextile must be incorporated as necessary to minimize clogging and prevent intrusion of fine material.	Section 2.3, Appendix J, Appendix K, and Design Drawings
811.307(f)	Materials used must be chemically resistant	Section 2.3 and Appendix K

Regulation	Compliance Text	Location in Application
811.308 - Leachate Collection System		
811.308(a)	All new units and lateral expansions must have a leachate collection system that is designed and constructed to function for the entire design period.	Section 2.3 and Appendix K
811.308(b)	Open channel flow	Section 2.3 and Appendix K
811.308(c)	Cleaning	Section 2.3 and Appendix K
811.308(d)	Materials used must be chemically resistant	Section 2.3 and Appendix K
811.308(e)	Structural strength of piping and bedding materials to support max loads	Section 2.3 and Appendix K
811.308(f)	Coarse gravel envelope using graded filter or geotextile to minimize clogging	Section 2.3 and Appendix K
811.308(g)	Cleanout risers	Section 2.3 and Appendix K
811.308(h)	Drain freely and sumps shall remove collected leachate before level in sumps rise about invert of collection pipes	Section 2.3 and Appendix K
811.309 - Leachate Treatment and Disposal System		
811.309(a)	Leachate shall flow freely from the collection system to a leachate management system.	Section 2.3 and Appendix K
811.309(b)	A leachate management system shall consist of any of the following: 1) on-site pre-treatment and treatment, 2) storage, 3) off-site treatment, and 4) recycling.	Section 2.3 and Appendix K
811.309(c)		
811.309(d)		
811.309(e)		
811.309(f)		
811.309(g)	Leachate monitoring shall be performed at least once every six months and each established leachate monitoring location shall be monitored at least once every two years.	Section 2.3 and Appendix K
811.309(h)	Leachate collection and disposal for a minimum of five years after closure and thereafter until treatment is no longer necessary. Leachate collection at a MSWLF unit shall be continued for a minimum period of 30 years after closure. Treatment is no longer necessary once constituents do not exceed the established wastewater standards.	Section 2.3 and Appendix K
811.310 - Landfill Gas Monitoring		
811.310(a)	This Section applies to all units that dispose putrescible wastes.	Section 2.3, Section 2.6, Appendix R, and Design Drawings
811.310(b)	Landfill gas monitoring devices shall be designated and located to provide a representative sample of all parameters to be measured.	Section 2.3, Section 2.6, Section 2.8, Appendix R, and Design Drawings
811.310(c)	All landfill gas monitoring devices and the ambient air shall be sampled monthly for the entire operating periods and for a minimum of 5 years after closure, after which the frequency may be reduced to quarterly. Reduced frequency monitoring must continue for 30 years for MSWLF units, 5 years for on-site landfills, and 15 years for all others landfills. Landfill gas must be combusted before release to the atmosphere, and it is recommended that it be processed for energy use.	Section 2.3, Section 2.6, Section 2.8, Appendix R, and Design Drawings
811.310(d)	The Agency may reduce the gas monitoring period. All buildings within a facility shall be monitored for methane.	Section 2.3, Section 2.6, Section 2.8, Appendix R, and Design Drawings
811.310(e)	Any alternative frequencies for the monitoring requirement of 811.310(c) for a MSWLF that disposes 20 tons of municipal solid waste per day or less, based on an annual average, must be established by an adjusted standard.	N/A
811.311 - Landfill Gas Management System		
811.311(a)	A landfill gas management system is required for putrescible waste landfills if 1) methane is detected at a concentration of 50% of the LEL in the air, below the ground surface, or at the point of compliance, 2) methane greater than 25% the LEL is detected in any building on or near the facility, 3) odors are detected beyond the property boundary, or 4) leachate is recycled.	Section 2.3, Section 2.6, Appendix R, and Design Drawings
811.311(b)	If methane levels exceed the above levels, the owner or operator will notify the Agency in writing and take steps to protect human health.	Section 2.3, Section 2.6, Appendix R, and Design Drawings
811.311(c)	Landfill gas venting systems shall be utilized only as temporary mitigation until the completion of an active system.	Section 2.3, Section 2.6, Appendix R, and Design Drawings
811.311(d)	A gas collection system shall transport gas to a central point or points for processing.	Section 2.3, Section 2.6, Appendix R, and Design Drawings

Regulation	Compliance Text	Location in Application
811.312 - Landfill Gas Processing and Disposal System		
811.312(a)	The processing of landfill gas for use is strongly recommended but is not required.	Section 2.3, Section 2.6, Appendix R, and Design Drawings
811.312(b)	All landfill gas processing and disposal system equipment is considered part of the waste disposal facility.	Section 2.3, Section 2.6, Appendix R, and Design Drawings
811.312(c)	No gas may be discharged directly to the atmosphere unless treated or burned, in accordance with a permit issued pursuant to 35 Ill. Adm. 200-245.	Section 2.3, Section 2.6, Appendix R, and Design Drawings
811.312(d)	Flow rate measurements into treatment or combustion devices should be taken.	Section 2.3, Section 2.6, Appendix R, and Design Drawings
811.312(e)	When used for on-site combustion, flares shall meet the general control device requirements of new source performance standards adopted pursuant to Section 9.1(b) of the Act.	Section 2.3, Section 2.6, Appendix R, and Design Drawings
811.312(f)	If using onsite combustion with devices other than flares, all constituents and combustion parameters must be measured before and after treatment or combustion and shall be identified and included in a permit issued by the Agency.	N/A
811.312(g)	Landfill gas may be transported offsite to a gas processing facility.	N/A
811.313 - Intermediate Cover		
811.313(a)	All waste which is not to be covered within 60 days of placement by another lift shall have a cover equivalent to that provided by 1 foot of compacted clean soil material.	Section 2.3, Section 2.6, Appendix R, and Design Drawings
811.313(b)	All intermediate cover shall be graded to maximize runoff and minimize infiltration and standing water.	Section 2.3, Section 2.6, Appendix R, and Design Drawings
811.313(c)	The grade and thickness of the intermediate cover must be maintained until placement of additional waste or final cover.	Section 2.3, Section 2.6, Appendix R, and Design Drawings
811.314 - Final Cover System		
811.314(a)	A final cover system must be placed 60 days after placement of the final lift of solid waste. It must consist of at least 3 feet of low permeability (1x10-7 cm/sec) material or an equivalent geomembrane, and a final protective layer of 3 feet capable of supporting vegetation. For an MSWLF unit, the final cover must have a maximum permeability less than or equal to the permeability of the liner system.	Section 2.3 and Design Drawings
811.314(b)		
811.314(c)	The final protective layer must cover the entire low permeability layer, prevent low permeability layer from freezing, consist of soil material capable of supporting vegetation, and by placed as soon as possible after placement of the low permeability layer.	Section 2.3 and Design Drawings
811.314(d)	Alternative requirements for MSWLF that disposes of 20 tons or less of waste per day.	N/A
811.315 - Hydrogeologic Site Investigations		
811.315(a)	A hydrogeologic site investigation is required for all new units, in order to provide information to perform a groundwater impact assessment and to establish a groundwater monitoring system.	Section 2.2
811.315(b)	The investigation shall be conducted in three phases prior to submission for a permit.	Section 2.2
811.315(c)	Phase I Investigation should include: climatic aspects, geologic setting, groundwater regime, and purpose of designing Phase II Investigation.	Section 2.2
811.315(d)	The Phase II Investigation should develop structural characteristics of strata, chemical and physical properties, soil characteristics, hydraulic conductivities, vertical extent of uppermost aquifer, and the direction and rate of groundwater flow.	Section 2.2
811.315(e)	Phase III Investigation must include verification of Phase I and II information, potential pathways for contaminant migration, correlation of stratigraphic units, petrograpahic features, zones of high hydraulic conductivity, confining layers, chemical concentrations, variations in groundwater quality and flow, and unusual geologic features.	Section 2.2
811.315(f)	Alternative ways to provide necessary information	N/A
811.316 - Plugging and Sealing of Drill Holes		
811.316(a)	All drill holes shall either be plugged or covered.	Section 2.8
811.316(b)	Drill holes no longer used should be back-filled to prevent contaminant migration.	Section 2.8
811.316(c)	Drill holes in gravel may use earthen materials or drill cuttings as backfill.	Section 2.8
811.316(d)	All excess drill materials and possibly contaminated materials uncovered or created during drilling must be disposed of in accordance with 35 Ill. Adm. Code 700 through 749, 807 and 809 through 815.	Section 2.8
811.316(e)	The area around the drill hole must be restored to initial condition.	Section 2.8
811.317 - Groundwater Impact Assessment		
811.317(a)	The following data shall be included in the GIA: documentation of the contaminant transport model used for assessment; modeling data; sensitivity analysis; predicted concentration vs time over 100 years; predicted concentration vs distance for 100 years; model reliability; validity of model parameters; and a written evaluation and analysis of the GIA	Section 2.7 and Appendix P
811.317(b)		
811.317(c)		

Regulation	Compliance Text	Location in Application
811.318 - Design, Construction, and Operation of Groundwater Monitoring Systems		
811.318(a)	A groundwater monitoring network shall be designed, constructed and operated to detect all potential discharges to groundwater. The monitoring wells shall be constructed and cased to prevent direct contamination and clogging of the screen.	Section 2.8
811.318(b)		
811.318(c)		
811.318(d)		
811.318(e)	The groundwater monitoring program shall include consistent sampling and analysis procedures to assure that monitoring results can be relied upon to provide data representative of groundwater quality in the zone being monitored.	Section 2.8 and Appendix Q
811.319 - Groundwater Monitoring Programs		
811.319(a)	All monitoring points shall be sampled quarterly for at least 30 years after closure unless otherwise approved by the IEPA. Groundwater should be analyzed for all parameters for which there exists a board established standard or which are expected to be in the leachate. An assessment monitoring program shall be implemented for any statistically significant increase	Section 2.8
811.319(b)	An assessment monitoring program shall confirm the source of the contamination and provide information needed to carry out a groundwater impact assessment. At a minimum, the constituents listed in 40 CFR Part 258 Appendix II must be monitored.	Section 2.8
811.319(c)		
811.319(d)	Remedial Action	N/A
811.320 - Groundwater Quality Standards		
811.320(a)	The applicable groundwater standards should be established based on 1) the background concentrations determined by one year of sampling, or 2) a board adjusted standard.	Section 2.7 and Section 2.8
811.320(b)	An operator may petition the Board for an adjusted groundwater quality standard in accordance with the procedures in Section 28.1 of the Act and 25 Ill. Adm. Code 104.400, Subpart D.	Section 2.7 and Section 2.8
811.320(c)	The zone of attenuation for compliance purposes is 100 feet from the unit or the property boundary.	Section 2.7 and Section 2.8
811.320(d)	Background concentrations will be determined to establish groundwater quality standards for the facility. Constituents detected during routine sampling will then be compared to their groundwater standards and statistically analyzed to determine if an exceedance exists.	Section 2.8, Appendix Q
811.320(e)		
811.321 - Waste Placement		
811.321(a)	The placement of wastes shall begin in the lowest part of the unit.	Section 2.3, Section 2.6, and Appendix R
811.321(b)	Initial waste placement prohibits heavy equipment use on the leachate collection and drainage system until 5 feet of waste has been mounded over the system.	Section 2.3, Section 2.6, and Appendix R
811.322 - Final Slope and Stabilization		
811.322(a)	All slopes shall be designed to support vegetation and minimize erosion.	Section 2.3 and Design Drawings
811.322(b)	No standing water shall be allowed anywhere on the unit.	Section 2.3 and Design Drawings
811.322(c)	Vegetation shall be promoted on all reconstructed surfaces to minimize wind and water erosion of the final protective cover.	Section 2.3 and Design Drawings
811.322(d)	Structures constructed over the unit must be compatible with the land use, vent gases away from the interior, and not interfere with the operation of any landfill operations or systems.	Section 2.3 and Design Drawings
811.323 - Load Checking Program		
811.323(a)	A load-checking program shall be implemented for the purpose of detecting hazardous and polychlorinated biphenyl wastes and discouraging attempts to dispose of regulated hazardous waste at the facility.	Section 2.6 and Appendix R
811.323(b)		
811.323(c)	The load check program shall consist of, at a minimum, the following components: 1) random inspections, 2) recording inspection results, and 3) training.	Section 2.6 and Appendix R
811.323(d)	Cleanup, transportation and disposal of regulated hazardous wastes identified during random inspection must be assured.	Section 2.6 and Appendix R
811.324 - Corrective Action Measures for MSWLF Units		
811.324(a)	For MSWLF units, an assessment of the corrective action measures must be initiated within 14 days of: 1) the groundwater impact assessment indicating remedial action is needed, or 2) assessment monitoring indicating a confirmed increase above the applicable groundwater quality standards is attributable to the solid waste disposal facility.	Section 2.8
811.324(b)	The corrective action assessment shall be completed within 90 days.	Section 2.8
811.324(c)	The owner or operator shall continue to monitor in accordance with the assessment monitoring program in Section 811.319(b).	Section 2.8
811.324(d)	The assessment must address the effectiveness, efficiency, costs, time, and any other requirements of any potential corrective action measures.	Section 2.8
811.324(e)	The results of the corrective action measures assessment must be submitted to the Agency in a report describing the results and discussed prior to the selection of a remedy in a public meeting with interested and affected parties.	Section 2.8

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811.325 - Selection of remedy for MSWLF Units		
811.325(a)	Within 90 days of completion of the corrective action measures assessment, a remedy must be chosen which will be protective of human health and the environment, be able to attain the groundwater quality standards, and prevent further release of contamination. Any part of the corrective action measures which affects these criteria must be considered when selecting an action.	Section 2.8
811.325(b)		
811.325(c)		
811.325(d)	A schedule for initiation and completion of the remediation must also be developed.	Section 2.8
811.325(e)	Remediation of a release of one or more constituents monitored in accordance with Section 811.319 from a MSWLF unit is not necessary if the groundwater is additionally contaminate any substances that have originated from a source other than the MSWLF unit, the groundwater source is not used or connected with waters used for consumption, remediation is impracticable, or remediation results in cross-media impacts.	Section 2.8
811.325(f)	It is always required that the owner or operator undertakes source control measures to eliminate or minimize further releases to the groundwater, prevent exposure to groundwater, or to remediate groundwater concentrations.	Section 2.8
811.326 - Implementation of the corrective action program at MSWLF Units		
811.326(a)	A program which meets the requirement of 811.325 will be initiated according to the developed schedule. Any interim measures necessary to protect human health and the environment will be taken until initiation of the program.	Section 2.8
811.326(b)	Notification will be made to the Agency concerning the productivity, problems or completion of the action.	Section 2.8
811.326(c)		
811.326(d)		
811.326(e)		
811.326(f)		
811.326(g)		
Subpart D: Management of Special Wastes at Landfills		
811.401 - Scope and Applicability		
811.401(a)	This Subpart applies to all landfills permitted by the Agency pursuant to Section 21 of the Act that accept special wastes.	---
811.401(b)	Standards in this Subpart apply to the standards of 35 Ill. Adm. Code 809.	N/A
811.401(c)	Inspection, testing or acceptance of waste by a solid waste management facility shall not relieve the generator or transporter of responsibility for compliance with 35 Ill. Adm. Code: Subtitle G.	N/A
811.402 - Notice to Generators and Transporters	special waste will be accepted only if accompanied by an identification record and a manifest.	Section 2.6 and Appendix R
811.403 - Special Waste Manifests		
811.403(a)	Special waste shall be accompanied by a manifest.	Section 2.6 and Appendix R
811.403(b)	A permitted facility that accepts special waste must be designated on the manifest as the final destination point.	Section 2.6 and Appendix R
811.403(c)	Special waste should only be accepted only if accompanied by three copies of the manifest from the transporter (who will retain one copy). The receiving facility will send one copy to the Agency, to the person who delivered the special waste, and send information on rejected loads to the Agency in a quarterly report.	Section 2.6 and Appendix R
811.403(d)	Every person who delivers, accepts, and transports special waste shall retain a copy of the special waste transportation record for each transaction for three years.	Section 2.6 and Appendix R
811.404 - Identification record		
811.404(a)	Each special waste shall be accompanied by a special waste profile identification sheet from the waste generator.	Section 2.6 and Appendix R
811.404(b)	Each shipment of special waste must be accompanied by a transportation record, a copy of the original special waste profile identification sheet, and either a special waste recertification by the generator or a certification indicating any change in the characteristics of the waste.	Section 2.6 and Appendix R
811.405 - Recordkeeping. Requirements	Copies of any special waste information shall be retained at the facility until the end of the post-closure care period.	Section 2.6 and Appendix R
811.406 - Proceudres for Excluding Regulated Hazardous Wastes	A load-checking program that meets the requirement of Section 811.323 shall be implemented for the regulation of hazardous waste disposal.	Section 2.6 and Appendix R
Subpart E: Construction Quality Assurance Programs		
811.501 - Scope and Applicability		
811.502 - Duties and Qualifications for Key Personel		
811.502(a)	A third party professional engineer shall be appointed as a construction quality assurance (CQA) officer, who will supervise and be responsible for all inspections, testing, and other activities required to be implemeneted as part of the CQA program.	Section 2.5 and Appendix O
811.502(b)		
811.503 - Inspection Activities		
811.503(a)	The CQA officer shall be present to provide supervision and assume responsibilities for the inspection of all major design features. If the CQA Officer is unable to be present to perform, the Officer shall provide in writing reasons for this absence and a designation of a CQA officer-in-absentia.	Section 2.5 and Appendix O
811.503(b)		

Regulation	Compliance Text	Location in Application
811.504 - Sampling Requirements		
811.504(a)	A sampling program shall be implemented for all construction activities to ensure the sampling program shall be designed prior to construction and is based upon statistical sampling techniques.	Section 2.5 and Appendix O
811.504(b)		
811.505 - Documentation		
811.505(a)	A daily summary report shall be prepared by the CQA Officer which includes photographic records. Acceptance reports will be completed after completion of construction of each major phase.	Section 2.5 and Appendix O
811.505(b)		
811.505(c)		
811.505(d)		
811.506 - Foundations and Subbases		
811.506(a)	The CQA officer shall ensure that the site investigation is carried out in accordance with the plans, and record all observations and modifications.	Section 2.5 and Appendix O
811.506(b)		
811.506(c)		
811.507 - Compacted Earth Liners		
811.507(a)	Construction of the clay liner shall be tested and inspected. A test liner shall be constructed prior to construction of the landfill liner to verify the suitability of the materials and construction procedures.	Section 2.5 and Appendix O
811.507(b)		
811.507(c)		
811.508 - Geomembranes		
811.508(a)	The CQA officer shall exercise professional judgment while constructing a geomembrane system.	Section 2.5 and Appendix O
811.508(b)		
811.508(c)		
811.508(d)		
811.508(e)		
811.509 - Leachate Collection Systems		
811.509(a)	The CQA officer shall inspect and exercise professional judgment in the construction of the leachate collection system.	Section 2.5 and Appendix O
811.509(b)		
811.509(c)		
Subpart G: Financial Assurance		
811.700 - Scope, Applicability, and Definitions		
811.700(a)	Financial assurance shall be provided for all MSWLF units unless otherwise exempt. MSWLF units must demonstrate financial assurance by April 9, 1997. No person, other than the State of Illinois, shall conduct any disposal operation at a MSWLF unit, unless that person complies with the financial assurance requirements	Section 2.9 and Appendix S
811.700(b)		
811.700(c)		
811.700(d)		
811.700(e)		
811.700(f)		
811.700(g)		
811.701 - Upgrading Financial Assurance		
811.701(a)	The owner or operator shall maintain financial assurance equal to or greater than the current cost estimate at all times.	Section 2.9 and Appendix S
811.701(b)	The owner or operator must increase the total amount of financial assurance so as to equal the current cost estimate within 90 days of an increase in the current cost estimate, decrease in the value of a trust fund, no longer meeting the gross revenue test, or substituting alternative financial assurance.	Section 2.9 and Appendix S
811.701(c)	The owner or operator of a MSWLF unit shall annually make adjustments for inflation.	Section 2.9 and Appendix S
811.702 - Release of Financial Assurance		
811.702(a)	The Agency releases the owner or operator from financial requirements pursuant to 35 Ill. Adm. Code 813.403(b), or if alternative financial assurance is substituted.	N/A
811.702(b)		
811.703 - Application of Proceeds and Appeals		
811.703(a)	The Agency may sue to enforce its rights under financial instruments or order the modification of the closure and post-closure care cost estimate or type of financial assurance.	N/A
811.703(b)		
811.703(c)	Appeals to the Board as a permit denial pursuant to 35 Ill. Adm. Code 105 and Section 21.1(e) of the Act	N/A

Regulation	Compliance Text	Location in Application
811.704 - Closure and Post-Closure Care Cost Estimates		
811.704(a)	A written cost estimate of the cost of closure of all parts of the facility where wastes have been deposited.	Section 2.9 and Appendix S
811.704(b)	The cost estimate must be revised whenever a change in the Closure or Post-Closure Plan increases the cost estimate.	Section 2.9 and Appendix S
811.704(c)	The owner must have a written cost estimate for the closure of all parts of the facility based on premature closure and third party implementation.	Section 2.9 and Appendix S
811.704(d)		
811.704(e)	The cost estimate cannot be reduced by allowance for the salvage value of equipment or waste, resale value of land, or sale of gas.	Section 2.9 and Appendix S
811.704(f)	Cost estimate must include costs for all activities to close the facility.	Section 2.9 and Appendix S
811.704(g)	Blank	N/A
811.704(h)	A written cost estimate of post closure care based on: 1) groundwater monitoring, 2) cover placement and stabilization, 3) alternate landfill gas disposal, and 4) cost estimates beyond the design period is required	Section 2.9 and Appendix S
811.704(i)	If the site permit requires a closure activity, the cost must be included for that activity	Section 2.9 and Appendix S
811.704(j)	Once an activity has been completed an application for significant permit modification may be filed, which zeroes the element of that cost estimate.	N/A
811.704(k)	A detailed written estimate, in current dollars, of the cost of hiring a third party to perform the corrective action in accordance with the program required for any known release. Financial mechanism must be established to cover the corrective action costs (if the facility is triggered into corrective action)	Section 2.9 and Appendix S
811.705 - Revision of Cost Estimate		
811.705(a)	Closure and post closure costs shall be upgraded with each new application for permit renewal or change in cost estimate.	Section 2.9 and Appendix S
811.705(b)		
811.705(c)		
811.705(d)		
811.706 - Mechanisms for Financial Assurance	The available mechanisms for financial assurance include: 1) a trust fund (811.710), 2) surety bond guaranteeing payment (811.711), 3) surety bond guaranteeing performance (811.712), 4) letter of credit (811.713), 5) closure insurance (811.714), 6) self insurance (811.715), 7) use of multiple financial mechanisms (811.707), 8) use of financial mechanism for multiple sites (811.708), 9) trust fund for unrelated sites (811.709), 10) corporate financial test (811.719), and 11) corporate guarantee (811.720).	Section 2.9 and Appendix S
811.707 - Use of Multiple Financial Mechanisms		
811.708 - Use of a Financial Mechanism for Multiple Sites		
811.709 - Trust Fund for Unrelated Sites		
811.710 - Trust Fund		
811.711 - Surety Bond Guaranteeing Payment		
811.712 - Surety Bond Guaranteeing Performance		
811.713 - Letter of Credit		
811.714 - Closure Insurance		
811.715 - Self-Insurance for Non-Commercial Sites		
811.716 - Local Government Financial Test	A unit of local government owner or operator may demonstrate financial assurance if applicable.	N/A
811.717 - Local Government Guarantee	An owner or operator may demonstrate financial assurance by obtaining a written guarantee provided by a local unit of government	N/A
811.718 - Discounting	For facilities providing financial assurance solely through a trust fund, the Agency allows discounting of closure and post-closure cost estimates and correction action cost estimates.	N/A
811.718(a)		
811.718(b)		
811.718(c)		
811.718(d)		
811.719 - Corporate Financial Test	The available mechanisms for financial assurance include: 1) a trust fund (811.710), 2) surety bond guaranteeing payment (811.711), 3) surety bond guaranteeing performance (811.712), 4) letter of credit (811.713), 5) closure insurance (811.714), 6) self-insurance (811.715), 7) use of multiple financial mechanisms (811.707), 8) use of financial mechanism for multiple sites (811.708), 9) trust fund for unrelated sites (811.709), 10) corporate financial test (811.719), and 11) corporate guarantee (811.720).	Section 2.9 and Appendix S
811.720 - Corporate Guranatee		

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Regulation	Compliance Text	Location in Application
TITLE 35 SECTION 812		
Subpart A: General Standards for All Landfills		
812.101 - Scope and Applicability		
812.101(a)	All persons except those exempted by Section 21(d) of the Environmental Protection Act (Act) shall submit an application for a permit to develop and operate a landfill, which must contain the information in this Subpart and Section 39(a) of the Act.	---
812.101(b)	Subpart A contains general standards applicable to all landfill. Subpart B contains additional standards applicable to landfills which accept only inert waste. Subpart C contains additional standards applicable to landfills which accept chemcial and putrescible waste.	
812.101(c)	All general provisions of 35 Ill. Adm. Code 810 apply to this Part.	
812.102 - Certification by Professional Engineer	The design must be certified by a professional engineer.	Section 1 and Design Drawings
812.103 - Application Fees	The permit application must be accompanied by all filing fees required.	Completed
812.104 - Required Signatures		
812.104(a)	Permit applications require the name, address, and telephone number of an authorized agent of the operator and owner.	Section 1
812.104(b)	All permit applications shall be signed by an authorized agent and accompanied by an oath or affidavit, which is notarized.	Section 1
812.105 - Approval by Unit of Local Government	State whether the facility is subject to the site location suitability approval requirements of Section39© and 39.2 of the Act.	Section 1
812.106 - Site Location Map		
812.106(a)	A site location map of the most recent United States Geological Survey (USGS) quadrangle of the area from the 7.5 minute series, or on a map which includes 1) the permit area and all adjacent property extending at least 1,000 meters (3,300 feet) beyond the boundary of the facility; 2) all surface waters; 3) prevailing wind direction; 4) all rivers protected under the Wild and Scenic Rivers Act; 5) the limits of all 100-year floodplains; 6) all natural areas designated as a Dedicated Illinois Nature Preserve; 7) all historic and archaeological sites; 8) all critical habitats under the Endangered Species Act; and 9)all main service corridors, transportation routes, and access roads.	Section 2.1 , Appendix F, and Design Drawings
812.106(b)		
812.106(c)		
812.106(d)		
812.106(e)		
812.106(f)		
812.106(g)		
812.106(h)		
812.106(i)		
812.107 - Site Plan Map		
812.107(a)	The application must include maps, including cross section maps of the site boundaries, showing the location of the facility on a scale no smaller than one inch equals 200 feet containing a two-foot contour interval. This includes the entire permit area, boundaries above and below ground levels of the facility and all units, location of borrow areas, boundaries of all areas to be disturbed, the proposed phasing of the facility (including a delineation of the area to be disturbed and closed each year), roads in and around the facility, devices for controlling access to the facility, devices for controlling litter, fire protection facilities, and utilities.	Design Drawings
812.107(b)		
812.107(c)		
812.107(d)		
812.107(e)		
812.107(f)		
812.107(g)		
812.107(h)		
812.107(i)		
812.107(j)		

Regulation	Compliance Text	Location in Application
812.108 - Narrative Description of the Facility		
812.108(a)	The permit application shall contain a written description of the facility with supporting documentation describing: the type of waste disposal units and the types of wastes expected in each unit; an estimate of the maximum capacity of each unit and the rate at which waste is to be placed.	Section 2.3, Section 2.6, Appendix N, and Appendix R
812.108(b)		
812.108(c)	The permit application shall contain a written description of the facility with supporting documentation describing the manner in which waste will be placed and compacted to comply with 35 Ill. Adm. Code 811.105.	Section 2.6 and Appendix R
812.108(d)	The permit application shall contain a written description of the facility with supporting documentation describing: the estimated unit weight of the waste; the length of time each unit will receive waste; and the design period to be used for each unit.	Section 2.3 and Appendix N
812.108(e)		
812.108(f)		
812.108(g)	The permit application shall contain a written description of the facility with supporting documentation describing the size of the open face area, including all information showing that slopes steeper than two to one will be stable and in compliance with 35 Ill. Adm. Code 811.107 (b).	Section 2.6 and Appendix R
812.108(h)	The permit application shall contain a description of how units will be developed to allow contemporaneous closure and stabilization pursuant to 35 Ill. Adm. Code 811.110, 811.111, 811.204, 811.205, or 811.322.	Section 2.6 and Appendix R
812.108(i)	The permit application shall contain a description of all equipment to be used at the facility for complying with 35 Ill. Adm. Code 807.304.	Section 2.6 and Appendix R
812.108(j)	The permit application shall contain a written description of the facility with supporting documentation describing a litter control plan for complying with 35 Ill. Adm. Code 811.10(k).	Section 2.6 and Appendix R
812.108(k)	The permit application shall contain a salvaging plan including a description of all salvage facilities and a plan for complying with 35 Ill. Adm. Code 811.108.	Section 2.6 and Appendix R
812.108(l)	The permit application shall contain a written description of the facility with supporting documentation describing all utilities for operation in compliance with 35 Ill. Adm. Code 811.107(d).	Section 2.6 and Appendix R
812.108(m)	The permit application shall contain a boundary control plan describing how the operator will comply with the requirements of 35 Ill. Adm. Code 811.109	Section 2.6 and Appendix R
812.108(n)	The permit application shall contain a written description of the facility with supporting documentation describing a maintenance plan describing how the operator will comply with 35 Ill. Adm. Code 811.107(c) and (e).	Section 2.6 and Appendix R
812.108(o)	The permit application shall contain a written description of the facility with supporting documentation describing an air quality plan describing the methods to be used to comply with the open burning requirements of 35 Ill. Adm. Code 811.107(f) and for controlling dust in compliance with 35 Ill. Adm. Code 811.107(g).	Section 2.6 and Appendix R
812.108(p)	The permit application shall contain a written description of the facility with supporting documentation describing a noise control plan describing how the operator will control noise in accordance with 35 Ill. Adm. Code 811.107(h).	Section 2.6 and Appendix R
812.108(q)	The permit application shall contain an odor control plan.	Section 2.6 and Appendix R
812.108(r)	The permit application shall contain a written description of the facility with supporting documentation describing the procedures and plans for the vector control plan that will be used at the facility to comply with the requirements of 35 Ill. Adm. Code 811.107(i).	Section 2.6 and Appendix R
812.108(s)	The permit application shall contain a firefighting and fire safety plan.	Appendix E
812.108(t)	The permit application shall contain a transportation plan which includes all existing and planned roads in the facility that will be used during the operation of the landfill facility, the size and type of such roads, and the frequency with which they will be used.	Section 2.6, Appendix R, and Design Drawings
812.109 - Location Standards		
812.109(a)	The permit application shall contain: documentation that the facility will operate in compliance with 35 Ill. Adm. Code 811.102(a); a floodplain determination containing documentation that the facility is not located within the floodplain of the 100-year flood event or the facility meets the requirements of 35 Ill. Adm. Code 811.102(b), documentation from the State Historic Preservation Officer that the facility will be in compliance with 35 Ill. Adm. Code 811.102(c), documentation from the Illinois Nature Preserves Commission that the facility will be in compliance with 811.102(c), documentation that the facility will be in compliance with 35 Ill. Adm. Code 811.102(d), documentation that a facility located within a wetland is in compliance with Section 404 of the Clean Water Act, and documentation that the facility is in compliance with 35 Ill. Adm. Code 811.102(f).	Section 2.1 and Appendix F
812.109(b)		
812.109(c)		
812.109(d)		
812.109(e)		
812.109(f)		
812.109(g)		
812.110 - Surface Water Control		
812.110(a)	The permit application shall contain a plan for controlling surface water which demonstrates compliance with 35 Ill. Adm. Code 811.103, and shall contain the following: a copy of the NPDES permit or copy of the NPDES permit application, a map showing the location of all structures affected by the surface water runoff from disturbed areas on the facility; detailed designs of all structures to be constructed during developments of the facility and during the first five year operating period; and estimated construction dates of all structures to be constructed beyond the first five year operating period.	Section 2.3, Section 2.4, Appendix M, and Design Drawings
812.110(b)		
812.110(c)		
812.110(d)		

Regulation	Compliance Text	Location in Application
812.111 - Daily Cover		
812.111(a)	The application shall contain a description of the material to be used as daily cover including: a description of the soil to be used, including its classification and approximate hydraulic conductivity, or documentation that any proposed alternative materials or procedures to substitute for daily cover meet the minimum requirements of 35 Ill. Adm. Code 811.106 (b).	Section 2.6, Appendix R, and Design Drawings
812.111(b)		
812.112 - Legal Description	The permit application shall contain a legal description of the facility boundary and the boundaries of all units included in the facility. This legal description shall identify the nature and location of all stakes and monuments required by Section 811.104 and shall be prepared by or under the supervision of a professional surveyor, who shall affix a professional seal to the work.	Appendix D
812.113 - Proof of Property Ownership and Certification	Certificate of ownership of the permit area or a copy of the lease shall be included, in addition to any prior conduct certifications and certification that the Agency will be notified within seven days of any changes in ownership or conditions in the lease affecting the permit area.	Section 1 and Appendix D
812.114 - Closure Plans		
812.114(a)	The permit shall include a written closure plan that contains: a map showing the configuration of the facility after closure of all units with a contour map showing the proposed final topography and location of all facility-related structures to remain as permanent features after closure, steps necessary for premature final closure, steps necessary for final closure at the end of its intended operating life, steps necessary to prevent damage to the environment during temporary suspension of waste acceptance, a description of steps to decontaminate equipment during closure, an estimate of the expected year of closure, schedules for premature and final closure which include total time required to close the site and time required for closure activities, and a description of methods for compliance with all closure requirements of 35 Ill. Adm. Code 811.	Section 2.9, Appendix S, and Design Drawings
812.114(b)		
812.114(c)		
812.114(d)		
812.114(e)		
812.114(f)		
812.114(g)		
812.114(h)		
812.115 - Postclosure Care Plans	The application shall contain a postclosure care plan which includes a written description of measures to be taken during the postclosure care period.	Section 2.9 and Appendix S
812.116 - Closure and Postclosure Cost Estimates	The application shall contain an estimate of the costs of postclosure care and maintenance.	Section 2.9 and Appendix S
812.117 - Electronic Reporting	The filing of any document pursuant to any provision of this Part as an electronic document is subject to 35 Ill. Adm. Code 810.105.	N/A
Subpart C: Additional Information Required for Putrescible and Chemical Waste		
812.301 - Scope and Applicability		---
812.302 - Waste Analysis	A landfill that accepts only chemical wastes must include the results of a waste analysis.	N/A
812.303 - Site Location		
812.303(a)	The permit application shall contain site location map showing the location of: all water supply wells in use for drinking water; all setback zones established pursuant to Section 14.2 or 14.3 of the Act, any sole source aquifer or that an impervious strata exists between the facility and the aquifer that meet the minimum requirements of 35 Ill. Adm. Code 811.302(b), units in the setback zone, all state and federal parks and recreational areas, all state, federal or interstate highways and the location of any barriers necessary, all occupied dwellings, hospitals and schools, and all airports.	Section 2.1, Appendix F, Section 2.2, and Geologic Drawings
812.303(b)	If any areas of structures in the site location map require demonstration or showing then documentation of that must accompany the map.	Section 2.1 and Appendix F
812.304 - Waste Shredding	If the facility plans on waste shredding or landfill shredded waste, the application must demonstrate compliance with 35 Ill. Adm. Code 811.303(b) and a description of the mechanical shredder.	N/A
812.305 - Foundation Analysis and Design		
812.305(a)	The permit application shall contain a foundation study and analysis showing that the unit demonstrates compliance with 811.304 and 811.305.	Section 2.3 and Appendix J
812.305(b)	The study shall be performed under the supervision of a registered professional engineer.	Section 2.3 and Appendix J
812.305(c)	The following information shall be included in the permit application: results of tests performed on foundation materials; estimated settlement of the unit; diagrams and cross sections of any proposed sub-base or foundation construction; specifications for soil to be used for foundation construction shall include, but not be limited to, soil classification, permeability, moisture content, moisture-density relationship, plasticity and strength; and a construction quality assurance program for proper implementation of the foundation.	Section 2.3 and Appendix J

Regulation	Compliance Text	Location in Application
812.306 - Design of the Liner System		
812.306(a)	The application shall contain cross sections and plan view of the liner system, a description of construction methods and equipment to be utilized, and a CQA Plan pursuant to 35 Ill. Adm. Code 811.Subpart E, a description of the test liner, including: diagrams and supporting documentation demonstrating the liner material is in compliance, or a detailed description of the test liner, if constructed prior to the permit application, and the results of results of tests showing that the test liner will be constructed and evaluated in accordance with 35 Ill. Adm. Code 811.306(d).	Section 2.3, Section 2.5, Appendix O, and Design Drawings
812.306(b)	The application shall contain: a description of the properties of the geomembrane; documentation that the geomembrane meets minimum requirements; description of the methods to seam the geomembrane in the field; a plan showing the proposed layout of the individual panels and the locations of all openings through the geomembrane; cross section and description of how openings in the membrane will be constructed to minimize leaks; and a CQA plan for proper construction, seaming and inspection of the geomembrane.	Section 2.3, Section 2.5, Appendix O, and Design Drawings
812.306(c)	For slurry trenches and cutoff walls, a description, location and description of boreholes, results of testing, and CQA Plan must be provided.	N/A
812.307 - Leachate Drainage and Collection Systems		
812.307(a)	The following shall be included in the permit application: a plan view of the leachate collection system, showing pipe locations, cleanouts, manholes, sumps, leachate storage structures and other related information; cross sections and descriptions of manholes, sumps, cleanouts, connections and other appurtenances; the locations of all leachate level monitoring locations; a stability analysis showing that the side slopes will maintain the necessary static and seismic safety factors during all phases of operation; all calculations, assumptions and information used to design the leachate collection and drainage system; a description of the methods to be used to clean and otherwise maintain the leachate collection and drainage system, including the number and location of access and cleanout points; and a CQA program to insure proper construction of the systems pursuant to 35 Ill. Adm. Code 811. Subpart E.	Section 2.3, Appendix K, and Design Drawings
812.307(b)		
812.307(c)		
812.307(d)		
812.307(e)		
812.307(f)		
812.307(g)		
812.308 - Leachate Management System		
812.308(a)	The application shall contain the following information: leachate disposal methods including the approved NPDES permit or, NPDES application, documentation to demonstrate that the offsite treatment work meets requirements, or pretreatment authorization from the POTW; design of tanks, lagoons, and all other treatment or storage units; a map showing the location of all units, piping and monitoring stations; and a description of the leachate monitoring system, including all parameters to be monitored and the location of sampling points.	Section 2.3, Appendix K, and Design Drawings
812.308(b)	The operator may include a request for authorization to recycle leachate.	N/A
812.309 - Landfill Gas Monitoring Systems		
812.309(a)	The permit application shall contain a plan to monitor the buildup and composition of landfill gas including: a description of the most likely paths of migration of landfill gas expected to be generated by the unit, supported by the results of any predictive modeling study of gas flow through the strata surrounding the facility; the location and design of sampling points; and support for the items under subsections (a) and (b) must be provided and shall include the results of the predictive modeling study of the gas flow in accordance with 35 Ill. Adm. Code 811.310(b)(3).	Section 2.3, Section 2.6, Section 2.8, Appendix R, and Design Drawings
812.309(b)		
812.309(c)		
812.310 - Gas Collection Systems		
812.310(a)	The permit application shall contain, when a gas collection system is required, a plan for collecting landfill gas from the unit. The plan shall contain information to demonstrate compliance with 35 Ill. Adm. Code 811.311, including: location of collection points; layout and design of the collection system; a description of and specifications for all machinery, compressors, flares, piping and other necessary parts to the system; and a gas condensate disposal plan.	Section 2.3, Section 2.6, Section 2.8, Appendix L, Appendix R, and Design Drawings
812.310(b)		
812.310(c)		
812.310(d)		
812.311 - Landfill Gas Disposal		
812.311(a)	When a permit application contains a plan for gas collection system, then a plan for landfill gas disposal shall be submitted and shall contain the following: the approved air discharge permit or, if the permit is pending, a copy of the air discharge permit application required pursuant to 35 Ill. Adm. Code 200-245; a map showing the location of the gas processing facility; designs for the disposal system; a gas processing plan which includes a description of the beneficial uses to be derived for the gas and the design of the processing system; and where an offsite processing plant is utilized, the application shall contain documentation showing that the plant meets all requirements of 35 Ill. Adm. Code 811.312(g).	Section 2.3, Appendix L, and Design Drawings
812.311(b)		
812.311(c)		
812.311(d)		
812.311(e)		
812.312 - Intermediate Cover		
812.312(a)	The application shall contain a description of the material to be used as intermediate cover including: a description of the soil to be used, including its classification and approximate hydraulic conductivity, or documentation that any proposed alternative materials or procedures to substitute for daily cover meet the minimum requirements of 35 Ill. Adm. Code 811.313.	Section 2.3, Section 2.6, Appendix R, and Design Drawings
812.312(b)		

Regulation	Compliance Text	Location in Application
812.313 - Design of the Final Cover System		
812.313(a)	The permit application shall contain the following documentation for the final cover system: material specifications; placement techniques; estimates of settling; description of final protective cover; description of how the low permeability layer will tie into liner system; and a CQA program for the final cover system.	Section 2.3, Section 2.5, Appendix O, and Design Drawings
812.313(b)		
812.313(c)		
812.313(d)		
812.313(e)		
812.313(f)		
812.314 - Description of the Hydrogeology		
812.314(a)	The hydrogeologic investigation shall contain the following information: a narrative description of the regional setting; a narrative description characterizing the hydrogeological conditions within the permit area; geological cross sections of the permit area showing all water bearing strata, water elevations and all geologic units; location of all bore holes and test pits; all well and bore logs; lab and field test data; description of each geological unit found within the study area; and description of all water bearing strata under the facility.	Section 2.2
812.314(b)		
812.314(c)		
812.314(d)		
812.314(e)		
812.314(f)		
812.314(g)		
812.314(h)		
812.315 - Plugging and Sealing of Drill Holes	The application shall contain a plan describing the techniques and materials to be used to plug and seal drill holes.	Section 2.8
812.316 - Results of the Groundwater Impact Assessment		
812.316(a)	The following data shall be included in the GIA: documentation of the contaminant transport model used for assessment; modeling data; sensitivity analysis; predicted concentration vs time over 100 years; predicted concentration vs distance for 100 years; model reliability; validity of model parameters; and a written evaluation and analysis of the GIA	Section 2.7 and Appendix P
812.316(b)		
812.316(c)		
812.316(d)		
812.316(e)		
812.316(f)		
812.316(g)		
812.316(h)		
812.317 - Groundwater Monitoring Program		
812.317(a)	The groundwater monitoring plans shall contain: map showing ZOA; distance from the ground surface to the bottom of the uppermost aquifer; location and depth of groundwater monitoring points, monitoring well design; a list of parameters being tested; concentration vs time profile; description of sampling procedure; description of preservation techniques; description of chain of custody, packing and transporting plans; laboratory analysis and procedures, quality control and error detection; description of statistical analysis techniques; description of groundwater quality standards; and a description of the statistical method to be used.	Section 2.8
812.317(b)		
812.317(c)		
812.317(d)		
812.317(e)		
812.317(f)		
812.317(g)		
812.317(h)		
812.317(i)		
812.317(j)		
812.317(k)		
812.317(l)		
812.317(m)		
812.318 - Operating Plans		
812.318(a)	The application shall contain all information necessary to demonstrate compliance with 35 Ill. Adm. Code 811.321(a).	Section 2.3, Section 2.6, and Appendix R
812.318(b)	The application shall contain a narrative description of the initial waste placement plan.	Section 2.3, Section 2.6, and Appendix R