

**ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 AHWMMMA POST-CLOSURE PERMIT APPLICATION
 CHECKLIST**

Facility Name: _____
 Facility Identification Number: _____
 Facility Address: _____
 Facility Phone Number: _____
 Application Revision Number: _____

Facility Contact: _____
 Permit Writer(s) : _____
 Date Application Received: _____
 Date Review Completed: _____

REQUIREMENT	ADEM ADMIN. CODE RULE	LOCATION IN APPLICATION (SECTION/PAGE #)	COMMENTS/DEFICIENCIES
Signature	335-14-8-.02(2)(a)		
Certification Statement	335-14-8-.02(2)(d)		
Part A Application	335-14-8-.02(4)		
Must meet all the requirements of the given rule	335-14-8-.02(4)(a)-(n)		
General Facility Description	335-14-8-.02(5)(b)1.		
Over all description of the facility and each hazardous waste producing process.	335-14-8-.02(5)(b)1.		
Description, including code number, of each hazardous waste generated at the facility	335-14-8-.02(19)(a)		
Security Procedures	335-14-8-.02(5)(b)4.		
24 Hour surveillance system (e.g. continuous television monitoring or patrolling guards/facility personnel) that continuously controls or monitors entry onto the closed hazardous waste management unit, or	335-14-5-.02(5)(b)1.		

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Physical barrier (e.g. fence or fence combined with a cliff) which completely encompasses the closed hazardous waste management unit and prevents unauthorized access	335-14-5-.02(5)(b)2.		
Inspection Schedule	335-14-8-.02(5)(b)5.		
Written schedule for inspection monitoring equipment, safety and emergency equipment, security equipment, and each closed hazardous waste unit	335-14-5-.02(6)(b)1.		
Justification of Any Request for a Waiver(s) of the Preparedness and Prevention Requirements of ADEM Admin. Code R. 335-14-5-.03	335-14-8-.02(5)(b)5.		
Location Information	335-14-8-.02(5)(b)11.		
Documentation of the political jurisdiction in which the facility is located	335-14-8-.02(5)(b)11.(i)		
Documentation of whether the facility is located in a 100-year floodplain	335-14-8-.02(5)(b)11.(iii)		
Post-Closure Plan	335-14-8-.02(5)(b)13.		
Description of appropriate monitoring/maintenance activities and frequencies, including:	335-14-5-.07(9)(b)		

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Procedures for maintaining the integrity and the effective of the final cover system, and repairing the final cover system to correct the effects of subsistence, erosion, settling, or other events	335-14-5-.14(11)(d)1.		
Procedures for the monitoring, maintenance, and operation of any leak detection, collection, and/or removal systems	335-14-5-.14(11)(d)2-3.		
Procedures for maintaining the groundwater monitoring systems to ensure compliance with ADEM Admin. Code Rule 335-14-5-.06(8)(c)	335-14-5-.14(11)(d)4.		
Maintenance of the run-on/run-off control systems	335-14-5-.14(11)(d)5.		
Protection of maintenance of surveyed bench marks	335-14-5-.14(11)(d)6.		
Documentation that the landfill and associated monitoring equipment will be visually inspected every seven days, and that such inspections will be documented on an inspection log.	335-14-5-.14(11)(d)7.		
Inclusion of the above items on the facility inspection schedule.	335-14-8-.02(5)(b)5.		
Post-Closure Notices	335-14-8-.02(5)(b)14.		
Documentation demonstrating that a survey plat indicating the locations of all hazardous waste units have been filed with the local land-use authority.	335-14-5-.07(7)		

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Documentation demonstrating that the Permittee has provided to the local land-use authority and the Department a record of the type, location, and quantity of hazardous wastes or waste residues remaining in each hazardous waste unit at the facility	335-14-5-.07(10)(a)		
Documentation demonstrating that a notation on the deed to the property that will in perpetuity notify any potential purchaser that: <ul style="list-style-type: none"> • the land was used to manage hazardous waste, • its use is restricted, and • the survey plat and record required by ADEM Admin. Code Rule 335-14-5-.07(7) has been filed with the local land-use authority and ADEM. 	335-14-5-.07(10)(b)1.		
Post-Closure Cost Estimate and Financial Assurance	335-14-8-.02(5)(b)16.		
Post Closure Costs should be based on: <ul style="list-style-type: none"> • third party costs • fully loaded labor rate • no salvage values • no operational credits (gas, crops, etc.) • most costly extent of operations and should address all costs associated with post-closure care, including: <ul style="list-style-type: none"> • inspection costs • administrative costs • maintenance and repair costs • transportation costs 	335-14-5-.08(5)		
Post-Closure Financial Assurance should be one of the approved methods and use standard wording	335-14-5-.08(6)		

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<p align="center">Topographic Map</p>	<p align="center">335-14-8-.02(5)(b)19.</p>		
<p>The map must show a distance of 1000 feet beyond the facility boundary to a scale of not more than 1"=200', and clearly show, on multiple maps if necessary:</p> <ul style="list-style-type: none"> • map scale and date • 100-year floodplain area • surface waters including intermittent streams • surrounding land uses • wind rose • map orientation • legal boundaries • access controls • injection and withdrawal wells (include off-site) • all facility structures • drainage and flood protection barriers • all hazardous waste units • proposed point of compliance • proposed groundwater monitoring wells • identification of uppermost aquifer • extent of any plume of contamination • locations of all solid waste management units 	<p>335-14-8-.02(5)(b)19. 335-14-8-.02(5)(c)3. 335-14-8-.02(5)(c)4.(i)-(ii) 335-14-8-.02(5)(d)1.(i)</p>		
<p align="center">Groundwater Assessment Information</p>	<p align="center">335-14-8-.02(5)(c)1.-2.</p>		
<p>Summary of data obtained during interim status or the groundwater quality assessment (new applications) and/or during the previous permit period (renewals). One hardcopy and one electronic spreadsheet copy (if possible) of all individual constituent data of all wells and all sampling events should be provided.</p>	<p align="center">335-14-8-.02(5)(c)1.</p>		

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<p>Identification of the uppermost aquifer and aquifers hydraulically interconnected beneath the facility, including:</p> <ul style="list-style-type: none"> • Groundwater flow direction and rate • Basis for identification • Supporting data and calculations <p>If possible, a graphical representation of the following items should be included with a thorough discussion in the application text:</p> <ul style="list-style-type: none"> • Groundwater flow direction and rate • Uppermost aquifer boundaries • Uppermost aquifer Lithology • Hydraulic interconnections (if any) 	335-14-8-.02(5)(c)2.		
<p>A description of any existing plume(s) of contamination, including:</p> <ul style="list-style-type: none"> • 3-dimensional extent of the plume. • Concentrations of each Appendix IX constituent throughout the plume. 	<p>335-14-8-.02(5)(c)4.</p> <p>335-14-8-.02(5)(c)4.(i)</p> <p>335-14-8-.02(5)(c)4.(ii)</p>		
Groundwater Monitoring System	335-14-8-.02(5)(c)5.		
<p>Detailed plans and engineering report describing the monitoring well system:</p> <ul style="list-style-type: none"> • Number of wells • Well locations • Well Design Specifications and Construction Diagrams • Boring Logs • Assurance of unaffected groundwater measurements 	335-14-5-.06(8)		
Proposed Point of Compliance	335-14-5-.06(6)		

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<p align="center">Detection Monitoring Plan (if no hazardous constituents have been detected in groundwater)</p>	335-14-8-.02(5)(c)6.	NA	
<p>Proposed list of indicator parameters. List should include, at a minimum:</p> <ul style="list-style-type: none"> • All Appendix VII constituents for each hazardous waste handled at the facility • Temperature, Specific Conductance, and pH 	335-14-8-.02(5)(c)6.(i)	NA	
<p>Proposed sampling frequencies for each individual well and indicator parameter.</p> <p>(Optional: ADEM will specify frequency in the permit if no proposal is presented)</p>		NA	
<p>Background concentrations or procedures to calculated them</p>	335-14-8-.02(5)(c)6.(iii)	NA	
<p>Sampling and Analysis Plan; should included detailed discussion of methods/procedures for:</p> <ul style="list-style-type: none"> • Sample collection • Groundwater surface elevation measurement • Sampling equipment decontamination • Sample preservation and shipment • Chain-of-Custody control • Field QA/QC • Field documentation of proper sampling procedures • Analytical methods • Laboratory QA/QC 	335-14-8-.02(5)(c)6.(iv) 335-14-5-.06(8)(d)	NA	
<p>Statistical comparison procedures</p>	335-14-8-.02(5)(c)6.(iv) 335-14-5-.06(8)(h)	NA	

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<p align="center">Compliance Monitoring Plan (if hazardous constituents have been detected in groundwater)</p>	335-14-8-.02(5)(c)7.		
<p>Proposed list of hazardous constituents to be monitored for. List should include, at a minimum:</p> <ul style="list-style-type: none"> • All Appendix VII constituents for each hazardous waste handled at the facility • Temperature, Specific Conductance, and pH • Any Appendix IX constituents which have been detected in the groundwater 	335-14-8-.02(5)(c)7.(iii)		
<p>Proposed concentration limits for each hazardous constituent to be monitored for</p>	335-14-8-.02(5)(c)7.(iii) 335-14-5-.06(5)(a)		
<p>Proposed sampling frequencies for each individual well and indicator parameter.</p> <p>(Optional: ADEM will specify frequency in the permit if no proposal is presented)</p>			
<p>Sampling and Analysis Plan; should included detailed discussion of methods/procedures for:</p> <ul style="list-style-type: none"> • Sample collection • Groundwater surface elevation measurement • Sampling equipment decontamination • Sample preservation and shipment • Chain-of-Custody control • Field QA/QC • Field documentation of proper sampling procedures • Analytical methods • Laboratory QA/QC 	335-14-8-.02(5)(c)7.(vi) 335-14-5-.06(8)(d)		
<p>Statistical comparison procedures</p>	335-14-8-.02(5)(c)7.(vi) 335-14-5-.06(8)(h)		

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<p align="center">Corrective Action Plan</p> <p align="center">(if hazardous constituents have been detected in groundwater above regulatory limits)</p>	<p align="center">335-14-8-.02(5)(c)8. 335-14-5-.06(11)</p>		
<p>Detailed plans and an engineering report describing the corrective action system</p>	<p align="center">335-14-8-.02(5)(c)8.(iii)</p>		
<p>Detailed description of a groundwater monitoring program for the purposes of evaluating the corrective action effort. This program should contain all the components of a compliance monitoring program</p>	<p align="center">335-14-8-.02(5)(c)8.(iv)</p>		
<p align="center">Solid Waste Management Information</p>	<p align="center">335-14-8-.02(5)(d)</p>		
<p>Description of each unit:</p> <ul style="list-style-type: none"> • Type of unit • Unit's designation • General dimensions and structural description (engineering drawing, if available) • Time period of operation • All types of wastes handled in the unit 	<p align="center">335-14-8-.02(5)(d)1.(i)-(v)</p>		
<p>Any available information concerning releases from any solid waste management unit</p>	<p align="center">335-14-8-.02(5)(d)2.</p>		
<p>Results of all sampling and analysis conducted for each unit</p>	<p align="center">335-14-8-.02(5)(d)3.</p>		