

CHAPTER 62-701
SOLID WASTE MANAGEMENT FACILITIES

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62-701.510 Water Quality Monitoring Requirements.

(1) through (5) No change

(6) Evaluation monitoring, prevention measures and corrective action.

(a) Evaluation monitoring and prevention measures. If monitoring parameters are detected in detection wells in concentrations that are significantly above background water quality, or that are at levels above the Department's water quality standards or criteria specified in chapter 62-520, F.A.C., the permittee may resample the wells within 30 days after the sampling data is received, to confirm the data. Should the permittee choose not to resample, the Department will consider the water quality analysis as representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department in writing within 14 days of this finding. The permittee, upon notification to the Department in writing within 14 days of the finding of the above sampling or resampling event, may also choose to demonstrate that a source other than the solid waste disposal unit is expected to be the cause of the observed detections in the water quality analysis. A report documenting this demonstration must be signed and sealed by a Florida registered professional geologist or professional engineer and submitted to the Department within 60 days of the demonstration notification. If a successful demonstration is made

and approved by the Department, the owner or operator may continue detection monitoring as specified in this section. If the Department determines that a successful demonstration has not been made within 60 days after the permittee submits the demonstration report, or the permittee chooses not to pursue such demonstration, then upon notification by the Department, the permittee shall initiate evaluation monitoring as follows:

1. Routine monitoring of all monitoring wells and surface water monitoring locations shall continue according to the requirements of subsection (5) of this rule.

2. Except as provided in paragraph (b) of this subsection, within 90 days of notification from the Department to initiate evaluation monitoring and annually thereafter, the permittee shall sample and analyze a representative sample of the background wells and all affected detection wells for the parameters listed in paragraph (7)(c) of this rule and shall also monitor for boron and un-ionized hydrogen sulfide (by calculation). For purposes of the un-ionized hydrogen sulfide calculation, laboratory parameters shall include total sulfide. Any new parameters detected and confirmed in the affected downgradient wells shall be added to the routine ground water monitoring parameter lists required in subsection (5) of this rule, for the affected wells.

(6)(a)(3) through (6)(c) no change

(7) Water quality parameters. The following list of water quality monitoring parameters shall be used for each type of sampling to be done.

(a) Ground water monitoring parameters:

Field Parameters	Laboratory parameters
Static water level in wells before purging	Total ammonia – N
Specific conductivity	Chlorides
pH	Iron
Dissolved oxygen	Mercury
Turbidity	Nitrate
Temperature	Sodium
Colors and sheens	Total dissolved solids (TDS)
(by observation)	Those parameters listed in 40 C.F.R. Part
	258 Appendix I
(b) Surface water monitoring parameters:	
Field parameters	Laboratory parameters
Specific conductivity	<u>Un-ionized ammonia</u>
pH	Total hardness (as mg/L CaCO ₃)
Dissolved oxygen	Biochemical oxygen demand (BOD ₅)
Turbidity	
Temperature	Iron
Colors, sheens (by observation)	Mercury
	Nitrate
	Total dissolved solids (TDS)
	Total organic carbon (TOC)
	Fecal coliform
	Total phosphorus (as mg/L P)
	Chlorophyll A
	Total nitrogen
	Chemical oxygen demand (COD)
	Total suspended solids (TSS)
	Those parameters listed in 40 C.F.R. Part 258 Appendix I

(c) Those parameters listed in 40 C.F.R. Part 258, Appendix II, as well as the field parameters specified in paragraph (a) of this subsection.

(d) Unlined landfill disposal units shall also monitor for boron and un-ionized hydrogen sulfide (by calculation). For purposes of the un-ionized hydrogen sulfide calculation, laboratory parameters shall include total sulfide.

(8) No Change

Rulemaking Authority 403.061, 403.704 FS. Law Implemented 403.702, 403.704, 403.707 FS. History—New 1-6-93, Amended 1-2-94, 5-19-94, Formerly 17-701.510, Amended 5-27-01, 1-6-10, 8-12-12, 2-15-15.

62-701.730 Construction and Demolition Debris Disposal and Recycling.

(1) through (7) No change

(8) Water quality monitoring. A water quality monitoring plan that meets the criteria set forth in rule 62-701.510 and chapter 62-520, F.A.C., shall be included with the permit application. This plan shall be implemented and maintained by the owner or operator, and shall include provisions to provide the reports required by subsection 62-701.510(8), F.A.C., with the following exceptions:

(a) Unless a disposal unit is constructed or operated within 200 feet of a surface water body, or unless site-specific conditions could reasonably be expected to result in contaminants entering a surface water body, surface water sampling is not required. For purposes of this paragraph, a surface water body does not include a body of water contained completely within the property boundaries of the disposal site that does not discharge from the site to surface waters.

(b) The well spacing requirements of subparagraph 62-701.510(3)(d)3., F.A.C., do not apply. A minimum of one upgradient and two downgradient wells is required, as specified in chapter 62-520, F.A.C.

(c) Detection wells, and compliance wells if applicable, shall be sampled and analyzed at least semi-annually for the following parameters:

Field Parameters	Laboratory Parameters
pH	Aluminum
Turbidity	Chlorides
Temperature	Nitrate
Specific conductivity	Sulfate
Dissolved oxygen	Total dissolved solids (TDS)
Water elevations	Iron
Colors and sheens	Sodium
(by observation)	Arsenic
	<u>Boron</u>
	Cadmium
	Chromium
	<u>Un-ionized hydrogen sulfide (by calculation)</u>
	Lead
	Mercury
	Total ammonia – N
	<u>Total sulfide (for calculation of hydrogen sulfide)</u>
	Xylenes
	Those parameters listed in EPA Methods 601 and 602

(d) Background water quality shall be established in accordance with the provisions of paragraph 62-701.510(5)(b), F.A.C., except that the analysis shall also include sulfate and aluminum. In addition, all background and detection wells shall be sampled and analyzed at least once every five years for those parameters listed in paragraph 62-701.510(7)(a), F.A.C., as well as sulfate and aluminum.

(e) The owner or operator of the facility may request a permit modification from the appropriate District Office of the Department to delete specific laboratory parameters or field parameters from routine analyses of detection or compliance wells and

surface water. The Department will grant a request for a permit modification upon a demonstration that these parameters are not reasonably expected to be in or derived from the waste which was received or disposed of at the facility.

(f) If monitoring parameters are detected in monitoring wells in concentrations which are significantly above background water quality, or which are at levels above the Department's water quality standards or criteria specified in chapter 62-520, F.A.C., the provisions of subsection 62-701.510(6), F.A.C., shall apply.

(9) No change

(10) Long-term care. The owner or operator of the construction and demolition debris disposal facility shall continue to monitor and maintain the integrity and effectiveness of the final cover as well as other appurtenances of the facility, control erosion, fill subsidences, control objectionable odors, implement an odor remediation plan that meets the requirements of paragraph 62-701.530(3)(b), F.A.C., if required, and comply with the water quality monitoring plan for five years from the date of closing. Before the expiration of the long-term care monitoring and maintenance period, the Department may extend the time period if the water quality monitoring system indicates that the facility continues to impact water quality at concentrations which may be expected to result in violations of Department water quality standards or criteria; if site-specific conditions make it likely that any contamination that may emanate from the disposal area would not be detected within the long-term care period; if the final cover does not have well established vegetation or is showing signs of continuing significant erosion problems; or if the permittee has not performed all required monitoring or maintenance.

(11) through (21) No change

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