



SWMP CITATION GUIDE; Active Sanitary Landfills

Use of a Letter of Warning (LOW) or Notice of Violation (NOV) requires photographic or documented evidence. Evidence documents should be clear and legible.

#	Citation	Full Regulation	Recommendation;	If Unsatisfactory Facility should;
I	10 CSR 80-2.020 : Permit Issuance, Construction Permits, Operating Permits, Emergency Permits, and Exemptions			
1	(1)(F) - Site constructed and operated per permit	Each permit issued under this rule shall contain such terms and conditions as the department determines necessary to prevent or minimize potential health hazards, a public nuisance or environmental pollution. Construction and operation of the solid waste disposal area or solid waste processing facility shall be conducted in accordance with the terms and conditions of the permit...	Depending on severity, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must operate/construct site in accordance with approved permit.
2	(2)(B)1 - Site received operating permit prior to accepting waste	Any person desiring to begin the operation of a solid waste disposal area or a horizontal expansion of an existing solid waste disposal area, shall make an application to the department for an operating permit. An operating permit shall be obtained prior to the receipt of waste in the initial area prepared to receive waste in the disposal area or the horizontal expansion area...	NOV (after NOV concurrence).	Until Authorization to Operate has been received, the facility must cease accepting waste or placing waste in unauthorized area.
3	(4)(A) - Permit modification approved prior to implementation	Any permittee desiring to make any change(s) to the approved engineering report or plans for the design, construction, operation, closure or post-closure of either a solid waste disposal area or a solid waste processing facility shall submit a permit modification request to the department. Prior to implementing any change(s), the permittee shall obtain a permit modification approval for the proposed change from the department...	Depending on severity, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must cease activity or apply for and obtain a permit modification to perform the activity.
II	10 CSR 80-2.060 : Certified Solid Waste Technician			
4	(2)(A) - Certified solid waste technician directs or performs site operations	All operations at each solid waste disposal area shall be conducted under the direct control or performed by a certified solid waste technician by January 1, 1989. The certified solid waste technician shall be a supervisor, manager or equipment operator who has primary responsibility for compliance with sections 260.200–260.245, RSMo, corresponding rules and the approved plans and permit conditions for the solid waste disposal area.	According to 10 CSR 80-8.060(2)(B), the facility has 6 months, as of the date the certified operator left or operator's certificate became expired, to have a certified operator at the site. After the initial 6 months, an LOW should be issued and the facility should be required to attend the next available Solid Waste Certification Course. NOV thereafter (after NOV concurrence).	The facility must have a certified solid waste technician that is directly responsible compliance with 260.200 - 260.245 RSMo.

III 10 CSR 80-3.010 : Design and operation:				
Solid Waste Accepted;				
5	(2)(C)1 - Bulky solids crushed on solid ground	Certain bulky solid wastes, such as automobile bodies and furniture shall be crushed on solid ground and then pushed onto the working face near the bottom of the cell. Other bulky items, such as demolition wastes, tree stumps and large timbers shall be pushed onto the working face near the bottom of the cell. Bulky waste shall be excluded from the first layer of waste placed above a composite liner to ensure that the integrity of the liner and leachate collection system has been maintained.	Notation on the checklist. If bulky solid wastes are used in the fluff layer, LOW or NOV (after NOV concurrence) depending on the severity of use in fluff layer. The LOW or NOV should require removal of bulky solids from fluff layer and inspector should mention that during the inspection. When using this citation for an LOW or NOV concurrence, please insure you have photographic evidence.	Bulky solid wastes must not be placed in the fluff layer and must be crushed on solid ground before being placed in the working face. Demolition wastes, tree stumps and large timbers shall be pushed on the working face near the bottom of the cell.
6	(2)(C)3 - Special waste disposal in accordance with approved plans	The disposal of special wastes which have been approved in the construction permit shall be conducted in accordance with the approved design and operating plans plus any additional procedures determined by the department as necessary to protect the environment.	Depending on severity, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence). When using this citation for an LOW or NOV concurrence, please insure you have photographic evidence or documentation.	Facility must ensure all special wastes are handled per approved permit and corresponding regulations.
Solid Waste Excluded;				
7	(3)(B)2C - Personnel trained to recognize excluded waste	The plans shall specify the operating procedures for screening and removal of wastes which are excluded from disposal according to subsection (3)(A) of this rule. Operating procedures for the screening and removal of excluded wastes shall include: C. Training of facility personnel to recognize unacceptable wastes...	Depending on severity, notation on the checklist, LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence). Ideally, you will want photographic evidence.	The facility must cease accepting excluded waste.
8	(3)(C)1 - Entrance sign listing excluded waste present	A sign with the following wording shall be displayed prominently at the site entrance. .Regulated hazardous waste, radioactive materials, polychlorinated biphenyls (PCBs), bulk liquids, highly flammable or volatile substances, septic tank pumpings, major appliances, waste oil, lead acid batteries, waste tires as provided by 10 CSR 80-8, yard waste, explosives and regulated infectious waste are excluded from disposal.	LOW and allow 60 - 90 days for facility to obtain compliance. Should the facility fail to comply, an NOV (after NOV concurrence) should be issued.	The facility must (replace/install) (the/a) sign at the entrance of the facility which satisfies 10 CSR 80-3.010(3)(C)1.
9	(3)(C)2 - Screening and removal of excluded waste implemented	The operating procedures for screening of wastes and for removal of wastes which are excluded from disposal according to subsection (3)(A) of this rule shall be implemented.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence). When using this citation for an LOW or NOV concurrence, please insure you have photographic evidence or documentation that excluded waste was placed in the landfill.	Implement screening and removal of excluded waste as required by permit and/or 10 CSR80-3.010(3)(C)2.

	Site Selection			
10	(4)(C)1 - Site accessible in all weather conditions	The sanitary landfill shall be accessible to vehicles which the sanitary landfill is designed to serve by all-weather roads leading from the public road system; temporary roads shall be provided as needed to deliver wastes to the working face.	Depending on severity, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence). Ideally, you will want photographic evidence.	The facility must ensure the working face is accessible by all weather roads.
	Design			
11	(5)(B)1 - Buffer zone maintained per approved plans	Plans submitted as part of an application for a construction permit after the effective date of this rule shall provide for the maintenance of a one hundred foot (100') - buffer zone between the outer edge of the landfill liner and any property line(s) or any right-of-way(s) of adjoining road(s) when the property line(s) is inside the right-of-way(s) to provide room for assessment and/or remedial actions.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must (maintain, replace or develop) (the/a) 100 foot buffer zone between the outer edge of the landfill liner and the (right-away, road, adjoining property, etc.).
12	(5)(C)1 - Construction and operation of the site in accordance with approved plans and specifications	Construction and operation of the sanitary landfill shall be conducted in accordance with the engineering plans and specifications approved by the department.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must construct and operate the site in accordance with the approved plans and specifications.
13	(5)(C)2 - Operating manual available	The operating manual describing the various tasks that shall be performed during a typical shift shall be available to employees for reference and to the department upon request.	Notation on the checklist. However, should issue re-occur frequently, the facility should be issued an LOW. An NOV, after NOV concurrence, should only be issued when failure to maintain the operations manual on site manifests in a recalcitrant failure to operate the facility in accordance with approved permit.	The facility must maintain a copy of the operations manual at the site and make it available to site employees and the department. The facility should plan to cover different sections of the operations manual at training sessions or safety meetings.
	Survey Control			
14	(7)(C)1 - Boundary markers, benchmarks, horizontal control stations and construction stakes placed and clearly marked to ensure that operations proceed in accordance with approved plan	All boundary markers, benchmarks, horizontal control stations and construction stakes shall be clearly marked and identified.	The determination of sufficient markers should be based on facility's knowledge of working elevations and progression of fill. Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must clearly mark and identify all boundary markers, benchmarks, horizontal control stations and construction stakes.
	Water Quality			
15	(8)(B)1F - MO Clean Water Law permits and approvals for runoff obtained	Provisions for surface water runoff control to minimize infiltration and erosion of cover. All applicable permits and approvals necessary to comply with requirements of the Missouri Clean Water Law and corresponding rules shall be obtained from the department.	LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must obtain a National Pollutant Discharge Elimination System (NPDES) permit and adhere to the Missouri Clean Water Law.

16	(8)(C)1 - Surface water courses and runoff diverted from working face; grading promotes rapid runoff without excessive erosion	Surface water courses and runoff shall be diverted from the sanitary landfill (especially from the working face) by devices such as ditches, berms, and proper grading. The sanitary landfill shall be constructed and graded so as to promote rapid surface water runoff without excessive erosion. Regrading shall be done as required during construction and after completion to avoid ponding of precipitation and to maintain cover integrity.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence). NOV should contain photographic evidence.	The facility must ensure surface water is diverted from the working face and grading promotes rapid runoff without excess erosion.
17	(8)(C)2 - Contact between water and solid waste minimized	The quantity of water coming in contact with solid waste (at the working face or where dumped/piled, not to include blown litter) shall be minimized by the daily operational practices. Water which comes in contact with solid waste shall be managed as leachate in accordance with the approved plans.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence). NOV should contain photographic evidence. Unless contaminated with something posing an environmental risk (such as photographic waste or other waste posing a risk to the environment) water containing blown litter should not need to be managed as leachate, unless blown litter has putrefied within the water.	The facility must minimize water coming in contact with solid waste and treat water coming in contact with solid waste as leachate.
Leachate Collection System				
18	(9)(C)1 - Leachate collection system properly installed and operated per permit and approved plans	The leachate collection systems specified by subsection (9)(B) shall be properly installed and operated in accordance with the permit and the approved design and plans and maintained for the thirty (30)-year post-closure care period, or as long as the department determines necessary.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure leachate collection system is installed and operated per approved permit.
19	(9)(C)2 - Leachate not allowed to discharge off-site or into waters of the state, except in accordance with MO Clean Water Law and rules	Leachate generated by the sanitary landfill shall be controlled on-site and not be allowed to discharge off the sanitary landfill property or discharge into the waters of the state, except in accordance with the approved plans and the Missouri Clean Water Law and corresponding rules.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure leachate is controlled on site and managed in accordance with the approved permit.
Liner System				
20	(10)(B)2 - Liner protected from desiccation and freeze/thaw per approved design	The composite liner shall be protected from the adverse effects of desiccation or freeze/thaw cycles after construction, but prior to placement of waste.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence). SWMP NOV concurrence will depend on SWMP Engineering consultation.	The facility must ensure the liner is protected from desiccation and freeze/thaw events.

21	(10)(C)5 - Liner constructed per approved design	The liner specified by subsection (10)(B) of this rule shall be constructed in accordance with the approved design specifications.	Unless deviation is obvious, please seek SWMP Engineering consultation. Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence). SWMP NOV concurrence will depend on SWMP Engineering consultation.	The facility must construct liner per approved design.
Groundwater Monitoring				
22	(11)(B)4 - All groundwater monitoring wells constructed, identified and secured per 10 CSR 23-4	The inspector is to ensure wells inspected are clearly marked, locked and meet any other requirements for identification listed in the facility's permit. For a full list of Missouri's requirements; Missouri Code of State Regulations: Title 10 - Department of Natural Resources: 23-4.	Unless deviation is obvious, please seek SWMP Engineering and/or DGLS consultation. Mostly, regional inspectors will insure wells are identified, concrete is not cracked/broken and wells are locked. Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence). SWMP NOV concurrence will depend on SWMP Engineering consultation.	The facility must mark and secure all groundwater monitoring wells.
Air Quality				
23	(13)(C) - Burning of solid waste prohibited except with permit	Burning of solid waste shall be prohibited. A burning permit or exemption may be obtained from the department permitting the burning of tree trunks, tree limbs, vegetation and untreated waste lumber. In areas operating under exemption certificates authorized by Chapter 643, RSMo approval shall be obtained from the local pollution control agency. The operating procedures and location for burning practices shall be submitted to the department for review and written approval. Burning at the sanitary landfill shall be conducted in accordance with Chapter 643, RSMo, the corresponding rules, the terms conditions, or both, of the plans, permit, or both, and all local requirements.	NOV (after NOV concurrence).	The facility must cease burning regulated solid waste or obtain a permit.
Gas Control				
24	(14)(C)1 - Decomposition gases not allowed to migrate laterally from landfill	Decomposition gases shall not be allowed to migrate laterally from the sanitary landfill to endanger public health and safety or to pose a hazard to the environment. They shall be controlled on-site, flared or vented to the atmosphere directly through the cover, cut-off trenches or ventilation systems in a way that they do not accumulate in explosive or toxic concentrations, especially within structures. (Information on the limits of flammability of gases is available in such references as the Handbook of Chemistry and Physics, 68th ed. Cleveland, Chemical Rubber Publishing Co., 1987.)	NOV (after NOV concurrence).	The facility must prevent migration of decomposition gases off site.

25	(14)(C)2A - Methane not allowed to concentrate in buildings on-site above 25% LEL (1.25% by volume)	Decomposition gases shall not be allowed to concentrate above the following levels: A. Twenty-five percent (25%) of the lower explosive limit (LEL) or one and one-quarter percent (1.25%) by volume for methane in buildings on the sanitary landfill property.	Depending on severity (occupied structure, un-occupied structure, confined space), LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure methane is not allowed to concentrate above 1.25% in buildings on site.
26	(14)(C)2B - Methane not allowed to concentrate in the soil at the property boundary above 50% LEL (2.5% by volume)	Decomposition gases shall not be allowed to concentrate above the following levels: B. Fifty percent (50%) of the LEL or two and one-half percent (2.5%) by volume for methane in the soil at the property boundary of the sanitary landfill.	NOV (after NOV concurrence).	The facility must reduce methane concentration at the property boundary to less than 2.5%.
27	(14)(C)4 - Methane monitoring program implemented	Owners/operators of all sanitary landfills shall implement a methane monitoring program capable of detecting decomposition gas migration in the most likely zone(s) of migration, to ensure that the standards of paragraph (14)(C)2. of this rule are met. Methane monitoring shall be conducted at least quarterly with equipment warranted by the manufacturer to detect explosive gases under the conditions the equipment is to be used. Facilities shall submit the results of this methane monitoring to the department at least quarterly. The electronic submission of methane monitoring data is required. This submission shall be in a format and manner as prescribed by the department.	NOV (after NOV concurrence).	The facility must implement a methane monitoring program.
Vectors				
28	(15)(C) - Vectors controlled	Vector control contingency programs shall be implemented when necessary to prevent or rectify vector problems.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must implement an effective vector control program.
Aesthetics				
29	(16)(C)1 - Litter controlled	Portable litter fences or other devices shall be used in the immediate vicinity of the working face and at other appropriate locations to control blowing litter. At the end of each operating day, or more often as required, litter shall be removed from the fences and the ground and incorporated into the cell being used. Alternatively, the litter may be containerized for disposal on the next operating day.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence). Water coming in contact with blown litter should not be considered leachate unless blown litter contains putrefied waste or litter has been allowed to putrefy in the water (observed by a sheen, smell or color of water). More extreme instances (i.e. household infectious waste, household hazardous waste, etc., coming in contact with water) will be handled on a case by case basis.	The facility must institute an effective litter control program that ensures litter is properly containerized or incorporated in the working face by the end of each operating day.
30	(16)(C)2 - Solid waste easily blown, covered to prevent litter	Solid wastes that are easily moved by wind shall be covered, as necessary, to prevent becoming airborne and scattered.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure solid waste easily blown is covered.

31	(16)(C)3 - On-site vegetation cleared only as necessary	On-site vegetation should be cleared only as necessary. Natural windbreaks, such as green belts, should be maintained where they will improve the appearance and operation of the sanitary landfill.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must clear only that vegetation which is necessary to ensure proper operation of the facility.
32	(16)(C)4 - Salvaged materials removed daily or stored in aesthetically acceptable manner	Salvage operations shall be conducted in such a manner as to not detract from the appearance of the sanitary landfill. Salvaged materials shall be removed from the sanitary landfill daily or stored in aesthetically acceptable containers or enclosures.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure all salvaged materials are stored in an aesthetically acceptable manner.
	Cover			
33	(17)(B)3 - Final slopes not to exceed 25% without approval	Surface grades and side slopes needed to promote maximum runoff, without excessive erosion, to minimize infiltration. Final side slopes shall not exceed twenty-five percent (25%) unless it has been demonstrated in a detailed slope stability analysis approved by the department that the slopes can be constructed and maintained throughout the entire operational life and post-closure period of the landfill.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must obtain approval before allowing final to exceed 25%.
34	(17)(C)1 - Adequate daily cover applied (6 inches soil or approved ADC)	Cover shall be applied by the end of each operating day regardless of weather; sources of cover, therefore, shall be accessible on all operating days. The thickness of the compacted cover shall not be less than six inches (6"). Sanitary landfills operating twenty-four (24) hours per day shall incorporate all solid waste into one (1) or more cells at least every twenty-four (24) hours. Where a liner and leachate collection system are in place, an alternative daily cover may be approved by the department on a site-specific basis, if the owner/operator demonstrates that the alternative material controls run-on, runoff, disease vectors, fires, odors, blowing litter and scavenging without presenting a threat to human health and the environment.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must apply 6 inches of soil or an approved alternative daily cover at the end of each operating day.
35	(17)(C)2 - Adequate intermediate cover applied (1 foot soil)	Cover shall be increased to a total thickness of at least one foot (1') of compacted cover on filled areas of the sanitary landfill which are idle for more than sixty (60) days.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must increase the soil cover in areas to remain inactive more than sixty days to a total of one foot.
36	(17)(C)3 - Intermediate and active slopes not to exceed 33%	No active, intermediate or final slope shall exceed thirty-three and one-third percent (33 1/3%).	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must immediately reduce the slope exceedances to the required 33% or submit to the Solid Waste Management Program an approvable action plan to attain compliance.
37	(17)(C)4A - Adequate final cover applied- areas without liners	Existing sanitary landfills without composite liners. This final cover shall consist of at least two feet (2') of compacted clay with a coefficient of permeability of 1×10^{-5} cm/sec or less and overlaid by at least one foot (1') of soil capable of sustaining vegetative growth;	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence). SWMP NOV concurrence will depend on SWMP Engineering consultation.	The facility must increase the final cover to consist of a compacted clay layer two feet thick overlaid with one foot of soil capable of sustaining vegetative growth.

38	(17)(C)4B - Adequate final cover applied- areas with liners	Sanitary landfills with composite liners. This final cover shall consist of component layers, in order from top to bottom, as follows: (I) Two feet (2') of soil capable of sustaining vegetative growth; (II) A drainage layer; (III) A geomembrane liner at least as thick as the geomembrane liner described in subparagraph (10)(B)1.G.; (IV) One foot (1') of compacted clay with a coefficient of permeability of 1×10^{-5} cm/sec or less; and	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence). SWMP NOV concurrence will depend on SWMP Engineering consultation.	The facility must install final cover which meets the requirements of 10 CSR 80-3.010(17)(C)4B.
39	(17)(C)8 - Vegetation established within 180 days of application of intermediate or final cover	Vegetation shall be established within one hundred eighty (180) days of application of the cover required by paragraphs (17)(C)2. and 3. of this rule. Vegetation shall be established and maintained to minimize erosion and surface water infiltration.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must establish vegetation.
40	(17)(C)9 - Regrading and recovering performed as necessary	Regrading and recovering shall be performed as necessary to maintain cover slope and integrity.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must regrade and recover as necessary to maintain cover slope and integrity.
41	(17)(C)10 - Borrow areas reclaimed per approved plans	Borrow areas shall be reclaimed in accordance with the approved plans.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence). SWMP NOV concurrence will depend on SWMP Engineering consultation.	The facility must reclaim borrow areas per approved permit.
Compaction				
42	(18)(C)1 - Adequate waste handling equipment available and operated as necessary	Solid waste handling equipment, on any operating day shall be capable of performing and shall perform the following functions: A. Spread the solid wastes to be compacted in layers no more than two feet (2') thick, while confining it to the smallest practicable area; B. Compact the spread solid wastes to the smallest practicable volume; and C. Place, spread and compact the cover as much as practicable.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure adequate waste handling equipment is available and operated as necessary.
43	(18)(C)1A - Waste compacted in layers no more than 2 feet and confined to smallest area practicable			The facility must compact waste in layers no more than two feet thick and confine it to the smallest practical area.
44	(18)(C)1B - Waste compacted to smallest practicable volume			The facility must compact waste to smallest practical volume.
45	(18)(C)1C - Cover compacted as much as practicable			The facility must compact cover as much as practical.
46	(18)(C)2 - Preventive maintenance performed on equipment			A preventive maintenance program should be employed to maintain equipment in operating order.

	Safety	(C) Satisfactory Compliance Operation.		
47	(19)(C)1 - Fire extinguishers provided on all waste handling equipment	1. A fire extinguisher shall be provided on all solid waste handling equipment.	LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure all waste handling equipment has a operable fire extinguisher.
48	(19)(C)2 - Any fires at site or in delivered waste extinguished	2. Any fires in wastes being delivered to the sanitary landfill or which occur at the working face or within equipment or personnel facilities shall be extinguished.	Depending on severity, circumstances and outcome of situation, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must quickly extinguish all fires occurring at the site in a manner protective of the working face, staff and guests.
49	(19)(C)3 - Communications equipment available for emergencies	3. Adequate communications equipment shall be available at the sanitary landfill for emergency situations.	Depending on severity, circumstances and outcome of situation, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure adequate communication is operable and available for use in emergency situations.
50	(19)(C)4 - Scavenging prohibited	4. Scavenging shall be prohibited at all times to avoid injury and to prevent interference with sanitary landfill operations.	LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must prohibit and prevent scavenging.
51	(19)(C)5 - Site access controlled by established roadways and limited to hours of operation	5. Access to the sanitary landfill shall be controlled and shall be by established roadways only. The sanitary landfill shall be accessible only when operating personnel are on duty. Large containers may be placed at the sanitary landfill entrance so that users can conveniently deposit solid waste after hours. The containers and the areas around them shall be maintained in a sanitary and litter free condition.	LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure site access is controlled and limited to established roadways during operating hours while employees are present. After hours drop off containers may be placed at the entrance to the facility as long as the after hours drop off area is kept sanitary and free of litter.
52	(19)(C)6 - Traffic signs and markers provided to direct traffic to working face	6. Traffic signs or markers should be provided to promote an orderly traffic pattern to and from the discharge area and, if necessary, to restrict access to hazardous areas or to maintain efficient operating conditions. Drivers of manually discharging vehicles should not hinder operation of mechanically discharging vehicles. Vehicles should not be left unattended at the working face or along traffic routes. If a regular user persistently poses a safety hazard, s/he should be barred from the sanitary landfill.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure traffic signs and markers are of sufficient number and design to direct traffic to the working face.
53	(19)(C)7 - Dust control provisions utilized	7. Dust control provisions shall be utilized as necessary for safety purposes and to prevent a nuisance to the surrounding area.	Depending on severity, notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must perform adequate and reasonable dust control so as to prevent migration off site and prevent the creation of a safety hazard.
	Records			
54	(20)(C)1 - Records maintained at the landfill office	Records shall be maintained at the landfill office. Records five (5) years old or older may be stored at an alternate site if approved by the department; such stored records must be made available at the landfill upon request of department personnel. Records must cover at least the following:	LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure adequate records are maintained at the landfill office for 5 years and made available for inspection upon request of department personnel.

55	(20)(C)1A - Major operational problems, complaints or difficulties	A. Major operational problems, complaints or difficulties;	LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure adequate records of major operational problems, complaints and difficulties are maintained at the landfill office and available for inspection for five years.
56	(20)(C)1B - Gas monitoring records: Qtr	B. Gas monitoring results from monitoring and any remediation plans required under section (14) of this rule;	NOV (after NOV concurrence).	The facility must ensure adequate records of gas monitoring results and, when necessary, remediation plans are maintained at the landfill office and available for inspection for five years.
57	(20)(C)1C - Site selection records	C. Any demonstration, certification, finding, monitoring, testing or analytical data required under sections (4) and (11) of this rule; ((4) Site Selection. & (11) Groundwater Monitoring.)	LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure records of initial landfill siting are maintained at the landfill office and available for inspection.
58	(20)(C)1C - Groundwater monitoring records: Qtr.	C. Any demonstration, certification, finding, monitoring, testing or analytical data required under sections (4) and (11) of this rule; ((4) Site Selection. & (11) Groundwater Monitoring.)	LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure adequate records of groundwater monitoring are maintained at the landfill office and available for inspection.
59	(20)(C)1D - Vector control records	D. Vector control efforts;	Depending on severity (having records with nothing noted to having no records at all), notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure adequate records of vector control are maintained at the landfill office and available for inspection for five years.
60	(20)(C)1E - Dust and litter control records	E. Dust and litter control efforts;	Depending on severity (having records with nothing noted to having no records at all), notation on the checklist, an LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure adequate records of dust and litter control are maintained at the landfill office and available for inspection for five years.
61	(20)(C)1F - Quantity of waste handled and remaining airspace records	F. Quantitative measurements of the solid waste handled and an estimate of the air space left at the facility. Every two (2) years after the date of the permit issuance and within sixty (60) days of the anniversary date of the permit issuance, the owner/operator shall submit to the department two (2) copies of a topographic map, prepared under the direction of a land surveyor or by aerial photography, showing the current horizontal and vertical boundaries of solid waste in the sanitary landfill and the boundaries of the sanitary landfill. Maps prepared by aerial photography shall meet the current National Map Accuracy Standards for Photogrammetry as indicated in United States Bureau of the Budget Circular A-16 Exhibit C, dated October 10, 1958;	LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must submit, every two years within 60 days of the anniversary of permit issuance date, to the department two copies of a topographical map, prepared under the supervision of a registered land surveyor or aerial photography, showing the current horizontal and vertical boundaries of solid waste in the landfill. The submission must include an estimate of solid waste handled and remaining air space. Aerial photographs must meet the requirements listed in 10 CSR 80-3.010(20)(C)1F.

62	(20)(C)1G - Description, source, and volume of special wastes received	G. Description, source and volume of special wastes that are received;	LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure adequate records of special waste received are maintained at the landfill office and available for inspection for five years.
63	(20)(C)1I - Closure/post closure plans	I. Closure and post-closure care plans and any monitoring, testing or analytical data as required under 10 CSR 80-2.030(4)(A);	LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure closure and post closure plans are available for inspection at the landfill office.
64	(20)(C)1J - FAI Documentation; month/year approved	J. Any cost estimates and financial assurance documentation required under 10 CSR 80-2.030(4)(B) and (C);	If facility fails to have or allows an FAI to expire, NOV (after NOV concurrence). SWMP tracks FAIs and will, most likely, be the first to observe any FAI issues and react with an NOV. However, any missing documentation at the facility, depending on the severity and recalcitrant nature, should be considered reasoning for issuance of an LOW or NOV (after NOV concurrence).	The facility must update or submit an approvable financial assurance instrument immediately.
65	(20)(C)1K - Solid Waste Technician Certification records	K. Inspection records and training procedures as required under 10 CSR 80-2.060 and subsection (3)(B) of this rule; (Certificates available for inspection)	LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure training records, certificates and procedures are available for inspection.
66	(20)(C)1K - Solid waste screening training and inspection records	K. Inspection records and training procedures as required under 10 CSR 80-2.060 and subsection (3)(B) of this rule; (Records of periodic loads inspections)	LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure adequate records of screening training and load inspection records are maintained at the landfill office and available for inspection.
67	(20)(C)1L - Tonnage fee records	L. Records associated with fees as required under 10 CSR 80-2.080(2);	NOV (after NOV concurrence).	The facility must ensure adequate records of tonnage fees are available at the landfill office for inspection.
68	(20)(C)1M - Corrective actions records	M. Records associated with corrective measures as required under section (10) of this rule; ((10) Liner System.)	LOW and allow 60 - 90 days for facility to obtain compliance or issuance of an NOV (after NOV concurrence).	The facility must ensure adequate corrective actions records are maintained at the landfill office for inspection.