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## Texas Commission on Environmental Quality

### CHECKLIST WORKSHEET

#### MSW COMPOST - FACILITIES WHICH REQUIRE A PERMIT

Reg Ent Name : \_\_\_\_\_

Date : \_\_\_\_\_

Add ID \_\_\_\_\_

Investigator Name \_\_\_\_\_

Item No	Description	Answer	Citations	Notes
	Requirements Applicable to All Compost Facilities			
1	Are composting activities conducted in a manner as not to create a nuisance?		332.4	
2	Are site activities conducted in a manner that prevents the discharge of material to or the pollution of surface water or groundwater?		332.4(3)	
3	Is the facility compliant with Federal Laws? (Refer to specific violation).			
4	Is the facility compliant with State Laws? (Refer to specific violation).			
5	Do compost operations prevent endangerment?		332.4(6)	
6	Are unauthorized or prohibited materials removed and disposed of in a timely manner?		332.4(8)	
7	Is leachate being used in the composting process?		332.4(9)	
8	Is industrial and hazardous waste prohibited?		332.4(11)	
9	Has a request for a variance in writing been submitted?		332.5(b)	
10	Have air quality requirements been met or Ch. 116 authorization been obtained?		332.8(a)(2)	
11	Compliant with Ch. 116? (Applies to New Major Sources or Major Modifications in Non-Attainment Areas Only)		332.8(a)(3)	
12	Is the Air Quality Standard Permit available for review?		332.8(a)(7)	
	Operations Located at MSW Facilities			
13	Has prior approval been received to operate at a landfill?		332.4(7)	
14	Has a modification been submitted for exempt, notification or registration , or, are the operations authorized by a landfill permit? reference 332.6(a)			
	Permit Tier Requirements: Applicable for mixed municipal solid waste facilities. End product standards also apply			
15	Is dust control being implemented?		332.8(e)(1)	
16	Is the volume of bulking material adequate?, and is the material processed in a manner to prevent nuisance?		332.8(e)(2)	
17	Are pneumatic conveyors venting conveying air through fabric filter?		332.8(e)(3)	
18	Are grinders enclosed or outside?			
A	filled during operation?			
B	equipped with fog nozzle?		332.8(e)(4)	
19	Is water or mechanical dust suppression available for conveyors?		332.8(e)(5)	
20	Are nuisance conditions being prevented?		332.8(e)(6)	
21	Has the operator obtained certification by a Registered PE and certification maintained?		332.42(a)	

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**MSW COMPOST - FACILITIES WHICH REQUIRE A PERMIT (Cont)**

22	Has property ownership been established using affidavit?		332.42(b)	
23	Has a pre-opening inspection been conducted by TCEQ?		332.42(c)	
24	Has Compost Form #2 and permit application been submitted?		332.43(1)	
25	Has an annual report been submitted and maintained?		332.43(2)	
26	Is the final product testing report being submitted monthly?		332.43(3)	
27	Has an engineer's appointment been submitted?		332.43(4)	
28	Does the facility meet all location criteria?	· · · · · · · ·	332.44(1) 332.44(2) 332.44(3) 332.44(4) 332.44(5) 332.44(6) 332.44(7) 332.44	
29	Does the facility meet all location criteria?		332.45(1)	
30	Is the facility constructed, maintained and operated to protect surface water?		332.45(2)	
31	Is the delivery of unauthorized or prohibited materials being prevented?		332.45(3)	
32	Is access limited by a fence and a gate?		332.45(4)	
33	Are nuisance and fire hazard conditions being prevented?		332.45(5)	
34	Is the facility utilizing functional aerobic composting methods?		332.45(6)	
35	Are "Site Sign" requirements being met?		332.45(7)	
36	Is access road all-weather?		332.45(8)	
37	Are any significant changes authorized by a permit amendment?		332.45(9)	
38	Are fungicides, herbicides, insecticides and other pesticides prohibited?		332.45(10)	
39	Are end-product standards being met?		332.45(11)	
40	Does the facility have at least one TCEQ certified compost operator?		332.45(12)	
41	Is facility permit maintained on-site?		332.46(a)(1)	
42	Is a log of abnormal events maintained on-site?		332.46(a)(2)	
43	Is final product testing results maintained on-site?		332.46(a)(3)	
44	Is annual report maintained on-site up to five years?		332.46(b)	
45	Has the permit application been prepared and submitted accordingly?		332.47	
46	Has TCEQ authorization been obtained to accept mixed MSW from a governmental unit or entity?	·	332.61(a) 332.51(a)	
	End Product Standards - Applicable to Permitted Facilities			
47	Chemical & Physical Analysis: Analytical method must utilize SW-846, EPA-600, or Composting Council recommendations?	· · ·	332.71(b)(1)(B) 332.71(b)(1) 332.71(b)(1)(C) 332.71(b)(1)(A)	

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**MSW COMPOST - FACILITIES WHICH REQUIRE A PERMIT (Cont)**

48	Pathogen Analysis: Analytical method must utilize Standard Methods for the Examination of Water & Waste Water?		332.71(b)(3)	
49	Foreign Matter Analysis: Analytical method must utilize Composting Council recommendations?		332.71(b)(4)	
50	Salinity & pH Analysis: Analytical method must utilize NCR Method 14 for SME?		332.71(b)(4)	
51	Total Fixed & Volatile Solids Analysis: Analytical method shall utilize Method 2540 G?		332.71(b)(5)	
52	Maturity Analysis: Analytical method shall utilize ROM Calculation Method [described in 332.71(d)] or method described in QAQC Plan?		332.71(b)(6)	
53	Is sample collection, preservation & analysis conducted according to Approved QAQC Plan?		332.71(c)	
54	Is the Maturity Testing Protocol approved and followed?		332.71(d)	
55	Are the batch numbers identifying the final product sampling batch maintained?		332.71(e)(1)(A)	
56	Are the quantities, types and sources of feedstocks received and the dates received maintained?		332.71(e)(1)(B)	
57	Is the quantity and final product grade maintained?		332.71(e)(1)(C)	
58	Is the date of sampling recorded?		332.71(e)(1)(D)	
59	Is the analytical data, used to characterize the final product, maintained?		332.71(e)(1)(E)	
60	Are the following records maintained?: A) sampling plan & procedures; B) training & certification records; C) maturity protocol test results.	- - -	332.71(e)(2)(C) 332.71(e)(2) 332.71(e)(2)(A) 332.71(e)(2)(B)	
61	Are records available for inspection?		332.71(e)(3)	
62	Is the facility sampling once every 3000 cy (or monthly) with 9 grab samples?		332.71(f)(2)	
63	Are grab samples taken from the base of the stockpile 12" in; from the exposed surface; and 2' in from the exposed surface?		332.71(g)(1)	
64	If sampling from stopped conveyors, are samples taken along the entire width and depth of the belt?		332.71(g)(2)(A)	
65	If sampling from moving conveyors, are samples taken from the end in "D" shape?		332.71(g)(2)(B)	
66	Is the final product tested for Total Metals?	- - - - - - - - - - -	332.71(h)(1)(H) 332.71(h)(1) 332.71(h)(1)(J) 332.71(h)(1)(I) 332.71(h)(1)(G) 332.71(h)(1)(F) 332.71(h)(1)(E) 332.71(h)(1)(D) 332.71(h)(1)(C) 332.71(h)(1)(B) 332.71(h)(1)(A)	
67	Do pathogen analytical results include, salmonella and fecal coliform?	- -	332.71(h)(6)(A) 332.71(h)(6)(B) 332.71(h)(6)	
68	Are batch numbers identifying the final product submitted twice annually?		332.71(j)(1)(A)	
69	Are the quantities, types and sources of feedstocks received submitted twice annually?		332.71(j)(1)(B)	

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70	Is the quantity of final product required by 332.71(e)(1)(C) submitted twice annually?		332.71(j)(1)(C)	
71	Is the Permit # of disposal facility submitted twice annually, if product not Grades 1 or 2?		332.71(j)(1)(D)	
72	Are all analytical results submitted twice annually?		332.71(j)(1)(E)	
73	Is the date of sampling submitted twice annually?		332.71(j)(1)(F)	
74	Are reports submitted within 2 months after reporting period ends?		332.71(j)(2)	
75	Are compost labeling requirements being met?		332.74	
76	Other Violations?			