STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION RESOURCE RECOVERY AND MANAGEMENT FACILITY INSPECTION REPORT

GMS'≪	I.D. No. Inspection Date:	<u></u>	1/1	9/9	10
Faci	Tity Name: Cudioe Key Incinerators Permit No.: 5044-133223 Expirat	ion [ate:	51	1310
Addr	ess (or location by section, township and range): 19/665/28 E				
	: Cudice Key State: FL Zip:	33	24	2	
-	ittee or Operating Authority: Monroe Co. Municipal Service Di				
	ess (Mailing): Wing TT-B, Public Serv Bldocity: Stock 15 State: FL				330
	phone Number (Permittee or Operating Authority): (305) 745-1771 (facility) 29				
Insp	ection Participants - Include All Landfill and Department Employees Specifying Titles (In ector) Leslie Rueth DER ESI Charles Gates - Supe	dicat	e Pr	incip	al _
	OF FACILITY: tary Landfill Volume Reduction				
c	Tass I Tass III: Trash/Yard Trash Tass III: Yard Trash Composting				
	EnergyMaterials OF INSPECTION:				•
c	onstruction Completion (phase)ClosureReinspection perationPost-ClosureComplaint Response	Fac 0th		y Fil	e Rev
REQU	IREMENTS				
RESP	REQUIREMENTS LISTED ON THIS INSPECTION REPORT ARE BASED UPON RULES OF THE FLORIDA ADMINIS ONSE TO A REQUIREMENT (UNLESS OTHERWISE NOTED) REFLECTS A VIOLATION OF THE CORRESPONDING VIOLATION IS DISCUSSED IN THE NARRATIVE SECTION OF THIS REPORT.				A "N .E(S).
I	CONSTRUCTION VERIFICATION	Yes	No	Unk	N/A
1.	Subgrade or foundation adequately prepared? 17-7.050(4)(a)(d)				
2.	Liner construction/installation according to plans? 17-7.050(4)(a)(c)(d)	-			
3.	Leachate control system installation according to plans? 17-7.050(4)(e)(f)	\vdash			
4.	Surface water management system construction according to plans? 17-7.050(4)(g)(h)	-			
5.	Gas control system installation according to plans? 17-7.050(4)(i)(j)				
6.	Groundwater monitoring system constructed per approved plan? 17-7.050(3)(e)(5)(a)				
II	OPERATIONS				
7.	Copy of approved drawings, plans, reports, operational plan, supporting information, and permit kept on-site? 17-7.030(8)				·
8.	All permit specific conditions complied with? 17-7.030(1)	Z	,		
9.	Only permitted waste types disposed of? 17-7.050(1)	5			
10.	Sludge properly disposed of at site (indicate type in "comments")? 17-7.050(1)				
11.	Waste quantity/type records kept and forwarded as required? 17-7.050(5)(c)				
12.	Weighing or measuring of incoming waste? 17-7.050(5)(b)	\Box			
13.	Method and sequence of filling waste according to plans? 17-7.050(5)(b)	\vdash			
14.	Waste compaction as required? 17-7.050(5)(j)				
15.	Working face/grades above ground no greater than a slope of 30 degrees? 17-7.050(5)(k)				
16.	Narrow working face practiced? 17-7.050(5)(1)	\Box			
17.	Attendant present? 17-7.050(5)(d)				
18.	Sufficient operating equipment? 17-7.050(5)(e)				,
19.	Sufficient reserve equipment (or other arrangements)? 17-7.050(5)(e)	\Box			
20.	Safety devices on equipment to shield and protect operators? 17-7.050(5)(e)				
21.	Adequate communication facilities? 17-7.050(5)(d)	+			
22.	Salvaging or resource recovery under control of operating authority? 17-7.050(5)(q)				
23.	Burning of allowable wastes only, in a properly operated incinerator/trench burner with a valid air permit? 17-7.060(1)				
24.	Proper control or disposal of asbestos and other special wastes? 17-7.060				
25.	Required signs for operational directions and public information? 17-7.050(5)(c)	K	EC	ive	D I
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II	MAINTENANCE				٠
6.	Effective and intact barrier to prevent unauthorized entry and dumping? 17-7.050(5)(c)				
7.	Adequate vector control by approved methods? 17-7.050(5)(p)	-			
8.	Disposal area easily accessible? 17-7.050(2)(c)(5)(c)		 		\vdash
9.	Retention and/or detention ponds/ditches, culverts, berms maintained? 17-7.050(4)(g)(h)	 -			
0.	Adequate approved dust control methods? 17-7.050(5)(c)				
1.	Litter control maintained? 17-7.050(5)(c)	ļ	-		\vdash
2.	Fire protection and fire fighting facilities adequate and operational? 17-7.050(5)(c)				-
3.	Groundwater wells intact and functioning properly? 17-7.075(6)	 -	 		\vdash
4.	Gas vents intact and functioning properly? 17-7.050(5)(i)				╁
V	WATER MANAGEMENT AND MONITORING	-	-	-	╁
5.	Groundwater sampling and testing according to standard procedures and at required frequency? 17-7.050(3)(e)(5)(a)				
6.	Mixing of leachate and stormwater prevented or minimized? 17-7.050(4)(h)		\dagger		_
37.	Stormwater runon/runoff controlled, collected, treated as required? 17-7.050(4)(h)(5)(g)		 	ļ	1
8.	Leachate control, collection and treatment as required? 17-7.050(4)(e)(5)(h)	,	 	ļ	+
,	COVER	 	+		
39.	Adequate quantity of acceptable cover material on hand? 17-7.050(2)(c)				
10.	Frequency, amount and quality of initial cover, as required? 17-7.050(5)(m)	-	 	 	+-
11.	Frequency, amount and quality of intermediate cover, as required? 17-7.050(5)(n)	-	 		╁
2.	Frequency, amount and quality of final cover, as required? 17-7.050(5)(0);17-7.073(6)(c)	 	 		+
3.	Adequate erosion control? 17-7.073(6)(c)		-	<u> </u>	+
	CLOSURE		-	<u> </u>	┼
14.	Final cover installation according to approved design plans and present condition and function adequate? 17-7.073(6)(c)				
5.	Facility meets closure requirements prohibiting unauthorized dumping? 17-7.073(6)(h)				\top
6.	All actions for closure completed satisfactorily according to approved closure operation plan? 17-7.073(7)				
17.	Final survey and as-built report with all survey monuments and other permanent markers installed satisfactorily? 17-7.074(2)(3)				
18.	Authorized use of closed landfill and integrity of environmental protection measures maintained? 17-7.074(6)(7)				
9.	Long term care performed adequately? 17-7.075				
/11	NON-LANDFILL SITES				
. o	Volume reduction plant operation in compliance with all permit conditions and other applicable requirements? 17-7.090	/			
11.	Transfer station operation in compliance with all requirements and general permit conditions? 17-7.091				
52.	Milling facility in compliance with all required conditions of operation? 17-7.060(4)		<u> </u>		
i3.	Resource recovery facility in compliance with all permit conditions and applicable requirements? 17-7.090				
	NARRATIVE				,
iece	anation for all "no" responses and other comments (continue on separate sheet if ssary) PRIMARY SECONDARY			·	
	1711 T 1915 1711		· · · ·		
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	GULLOTINE STUCK ON UNIT 8				
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ADORESS	CINDIONIONO	CONTACT 305/	
	, CUDJOE KEY, FL.	CHARLES G	
APIS (PERMIT #	EXPIRATION DATE	
	#7: A044-140125	10-13-	
	ID WASTE INCINE	RATOR W/ AFT	ERBURNER
INSPECTION DATE	AUDIT TYPE	COMPLIANCE S	Patus
4/19/90			
INSPECTION COMMENTS	/RECOMMENDATIONS		
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CUDJOE KEY	FL.	33042	3	0	0	0	0	33		ξ.		
PHONE	SOURCE ID	•	4	0			5	34				
(305)296-9680	A044	- 140125	5		0	0	 	35	 			
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INCINERATOR		NORMAL	6	0	0	0	5	36	<u> </u>			<u> </u>
CONTROL EQUIPMENT		OPERATING MODE	7	0	15	5	0	37				
SECONDARY CHAM	IBER	NURMAL	8	5	0	0	0	38			٠.	
DESCRIBE EMISSION POINT			9	0	0	0	0	39				
START 3 DIAMETER STELL STACK HEIGHT ABOVE GROUND LEVEL	STOP L	ATIVE TO OBSERVER	10	0	0	5	5	40				1
START 50' STOP		5' STOP	11	0	20	10	5	41				
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START 600' STOP SAME	START N	NW STOP	12	6	5	5_	5	42		ļ <i></i>	· · · · · · · · · · · · · · · · · · ·	
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START LOFTING	STOP		14	5	5	10	0	44	<u> </u>	· ·		
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CONTROL EQUIPMENT		OPERA	TING MODE	7	5	5	5	5	37				
SECONDARY CHAI	MBLR	l N	URMAL	8	4	40	10	5	38		1		
DESCRIBE EMISSION POINT				9	5	5	5	3-	39		 	-	+-
START STEEL STACK	STOP -			10	 	 	1	 	40	-	 	 	+-
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START SKY	STOP			20	0	20	10	0	50				
BACKGROUND COLOR	SKY COND			21	0	0	0	0	51			<u> </u>	
START WHITE STOP	START PT		STOP	22	0	0	0	5	52				
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STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION RESOURCE RECOVERY AND MANAGEMENT FACILITY INSPECTION REPORT

	ction Date:				
Facility Name: Cudioc Key Air Curtain Destr. Permit No.: A044-17308	Expirat	tion C	ate:	12.	-8-0
Address (or location by section, township and range): 19/665/28 E					
city: Cudice Key State: FL	Zip:	33	04	2	
Permittee or Operating Authority: Monroe Co. Municipal Service	Distri	ct			
Address (Mailing): Wing T-B, Public Serv. Bldg City: Stock 15. 5	State: <u></u>	<u>L</u>	,Z	ip: _	330
Telephone Number (Permittee or Operating Authority): (305) 745-1771 (Faci					
Inspection Participants - Include <u>All</u> Landfill and Department Employees Specifying Inspector)	Titles (In	ndicat	e Pr	incip	al
TYPE OF FACILITY: Sanitary Landfill Class II Class III: Trash/Yard Trash Class III: Yard Trash Composting Resource Recovery Energy Materials					
TYPE OF INSPECTION: Construction Completion (phase)ClosureReinspectionYOperationPost-ClosureComplaint Res		FacOth		y Fi1	e Rev
REQUIREMENTS					
THE REQUIREMENTS LISTED ON THIS INSPECTION REPORT ARE BASED UPON RULES OF THE FLOR RESPONSE TO A REQUIREMENT (UNLESS OTHERWISE NOTED) REFLECTS A VIOLATION OF THE COREACH VIOLATION IS DISCUSSED IN THE NARRATIVE SECTION OF THIS REPORT.	IDA ADMINI: RESPONDING	STRATI DEPAI	VE C	ODE.	A "N .E(S).
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2. Liner construction/installation according to plans? 17-7.050(4)(a)(c)(d)					
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5. Gas control system installation according to plans? 17-7.050(4)(i)(j)		1			
6. Groundwater monitoring system constructed per approved plan? 17-7.050(3)(e)(5)(a)	1			
II OPERATIONS					
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8. All permit specific conditions complied with? 17-7.030(1)					
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13. Method and sequence of filling waste according to plans? 17-7.050(5)(b)		1			
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15. Working face/grades above ground no greater than a slope of 30 degrees? 17-7.0	050(5)(k)	1			
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18. Sufficient operating equipment? 17-7.050(5)(e)					
19. Sufficient reserve equipment (or other arrangements)? 17-7.050(5)(e)		+			
20. Safety devices on equipment to shield and protect operators? 17-7.050(5)(e)		1			
21. Adequate communication facilities? 17-7.050(5)(d)		+			
22. Salvaging or resource recovery under control of operating authority? 17-7.050	(5)(q)	+			
23. Burning of allowable wastes only, in a properly operated incinerato trench burner with a valid air permit? 17-7.060(1)					
24. Proper control or disposal of asbestos and other special wastes? 17-7.060			CFI	VED	
25. Required signs for operational directions and public information? 17-7.050(5)	(c)	E) 41 (102)	OD BANK	W LHEST: PET	
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REQU	IREMENTS	Yes	No	Unk	N/A
III	MAINTENANCE	<u> </u>	1		
26.	Effective and intact barrier to prevent unauthorized entry and dumping? 17-7.050(5)(c)				
27.	Adequate vector control by approved methods? 17-7.050(5)(p)				
28.	Disposal area easily accessible? 17-7.050(2)(c)(5)(c)	<u> </u>	T		
29.	Retention and/or detention ponds/ditches, culverts, berms maintained? 17-7.050(4)(g)(h)	<u> </u>			
30.	Adequate approved dust control methods? 17-7.050(5)(c)				
31.	Litter control maintained? 17-7.050(5)(c)	 	1	ļ	
32.	Fire protection and fire fighting facilities adequate and operational? 17-7.050(5)(c)	 	t		
33.	Groundwater wells intact and functioning properly? 17-7.075(6)	 	+		
34.	Gas vents intact and functioning properly? 17-7.050(5)(i)	+	\vdash	 	
IV	WATER MANAGEMENT AND MONITORING	+	\vdash	 	
35.	Groundwater sampling and testing according to standard procedures and at required frequency? 17-7.050(3)(e)(5)(a)				
36.	Mixing of leachate and stormwater prevented or minimized? 17-7.050(4)(h)				
37.	Stormwater runon/runoff controlled, collected, treated as required? 17-7.050(4)(h)(5)(g)				
38.	Leachate control, collection and treatment as required? 17-7.050(4)(e)(5)(h)	 	<u> </u>		
<u>v</u>	COVER	+	†		
39.	Adequate quantity of acceptable cover material on hand? 17-7.050(2)(c)				
40.	Frequency, amount and quality of initial cover, as required? 17-7.050(5)(m)	-	 		┼
41.	Frequency, amount and quality of intermediate cover, as required? 17-7.050(5)(n)	┼	+-	 	├─
42.	Frequency, amount and quality of final cover, as required? 17-7.050(5)(0);17-7.073(6)(c)	+	├	ļ <u>.</u>	
43.	Adequate erosion control? 17-7.073(6)(c)	┼	╂-	<u> </u>	
VI			-		├
	CLOSURE				
44.	Final cover installation according to approved design plans and present condition and function adequate? 17-7.073(6)(c)	'			
45.	Facility meets closure requirements prohibiting unauthorized dumping? 17-7.073(6)(h)				
46.	All actions for closure completed satisfactorily according to approved closure operation plan? 17-7.073(7)	<u> </u>			
47.	Final survey and as-built report with all survey monuments and other permanent markers installed satisfactorily? 17-7.074(2)(3)				
48.	Authorized use of closed landfill and integrity of environmental protection measures maintained? 17-7.074(6)(7)				
49.	Long term care performed adequately? 17-7.075				
VII	NON-LANDFILL SITES				
50.	Volume reduction plant operation in compliance with all permit conditions and other applicable requirements? 17-7.090				
51.	Transfer station operation in compliance with all requirements and general permit conditions? 17-7.091				
52.	Milling facility in compliance with all required conditions of operation? 17-7.060(4)				
53.	Resource recovery facility in compliance with all permit conditions and applicable requirements? 17-7.090				
VII	NARRATIVE				
Expl	anation for all "no" responses and other comments (continue on separate sheet if				
_	Air Curtain Incinerator - mt operating at time	0	F		
	inspection-due to wind condifiens				
<u> </u>			·	·	
		· 		~	
Sign	ed: <u>Aldre Bucth / 4/19/90</u> Received: <u>Charles Salus /4/19</u> DER Representative Date Site Representative Date	2 <i>1.90</i>	2CE	isw)
Depa	rtment copy (white)	ΔPI	2 2	3 199	าก

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION RESOURCE RECOVERY AND MANAGEMENT FACILITY INSPECTION REPORT

GMS I.D. No	Inspection Date: _	4/19	190	
Facility Name: Cudjoe Key Landfill Permit No .:	Expiratio	Date:	4	1191
Address (or location by section, township and range): 19/665/28E				
City: Cudjoe Key State: FL	Zip:	304	12	
Permittee or Operating Authority: Monroe Co. Municipal Serv				
Address (Mailing): Wing II-B, Public Serv. Biologity: Stock 15	5. State: Fl.	2	'ip: ₫	20C
Telephone Number (Permittee or Operating Authority): 1305) 745-177)				
Inspection Participants - Include <u>All</u> Landfill and Department Employees Spec Inspector)	•			
TYPE OF FACILITY: Sanitary Landfill Class I Class II Class III: Trash/Yard Trash Class III: Yard Trash Composting Resource Recovery			,	
		Facili Other	ty Fil	e Rev
REQUIREMENTS			٠	
THE REQUIREMENTS LISTED ON THIS INSPECTION REPORT ARE BASED UPON RULES OF TH RESPONSE TO A REQUIREMENT (UNLESS OTHERWISE NOTED) REFLECTS A VIOLATION OF TEACH VIOLATION IS DISCUSSED IN THE NARRATIVE SECTION OF THIS REPORT.				
I CONSTRUCTION VERIFICATION	Y	es No	Unk	N/A
 Subgrade or foundation adequately prepared? 17-7.050(4)(a)(d) 				
 Liner construction/installation according to plans? 17-7.050(4)(a)(c)(d) 	1)	+	-	
3. Leachate control system installation according to plans? 17-7.050(4)(e)				
4. Surface water management system construction according to plans? 17-7.0				
5. Gas control system installation according to plans? 17-7.050(4)(i)(j)				
6. Groundwater monitoring system constructed per approved plan? 17-7.050(3	()(e)(5)(a)			
II OPERATIONS		_		
 Copy of approved drawings, plans, reports, operational plan, supporting and permit kept on-site? 17-7.030(8) 	information,	1		
8. All permit specific conditions complied with? 17-7.030(1)				
9. Only permitted waste types disposed of? 17-7.050(1)	l v	7		
10. Sludge properly disposed of at site (indicate type in "comments")? 17-7	.050(1)	1		
11. Waste quantity/type records kept and forwarded as required? 17-7.050(5)	(c)			
12. Weighing or measuring of incoming waste? 17-7.050(5)(b)	l v	1	- 1	
13. Method and sequence of filling waste according to plans? 17-7.050(5)(b)	r			
14. Waste compaction as required? 17-7.050(5)(j)	v			
15. Working face/grades above ground no greater than a slope of 30 degrees?	17-7.050(5)(k)			
16. Narrow working face practiced? 17-7.050(5)(1)				
17. Attendant present? 17-7.050(5)(d)	V			
18. Sufficient operating equipment? 17-7.050(5)(e)	v			
19. Sufficient reserve equipment (or other arrangements)? 17-7.050(5)(e)	v			
20. Safety devices on equipment to shield and protect operators? 17-7.050(5)(e) _V			
21. Adequate communication facilities? 17-7.050(5)(d)	V			
22. Salvaging or resource recovery under control of operating authority? 17	7-7.050(5)(q)	/		
23. Burning of allowable wastes only, in a properly operated incinerator/trench burner with a valid air permit? 17-7.060(1)				
24. Proper control or disposal of asbestos and other special wastes? 17-7.0	- 1 m			
25. Required signs for operational directions and public information? 17-7.	050(5)(c)	ez vel	,	
Department copy (white)		9 40/		

III	MAINTENANCE		,			
26.	Effective and intact barrier to prevent unauthorized entry and dumping? 17-7.050(5)(c)					
27.	Adequate vector control by approved methods? 17-7.050(5)(p)					1
28.	Disposal area easily accessible? 17-7.050(2)(c)(5)(c)	/				1
29.	Retention and/or detention ponds/ditches, culverts, berms maintained? 17-7.050(4)(g)(h)					1
30.	Adequate approved dust control methods? 17-7.050(5)(c)		/*			1
31.	Litter control maintained? 17-7.050(5)(c)		. 734-			$\frac{1}{2}$
32.	Fire protection and fire fighting facilities adequate and operational? 17-7.050(5)(c)					$\frac{1}{2}$
33.	Groundwater wells intact and functioning properly? 17-7.075(6)	V				$\frac{1}{2}$
34.					 	1
IV	WATER MANAGEMENT AND MONITORING					$\frac{1}{1}$
35.						
36.	Mixing of leachate and stormwater prevented or minimized? 17-7.050(4)(h)			-		1
37.	Stormwater runon/runoff controlled, collected, treated as required? 17-7.050(4)(h)(5)(g)					1
38.	Leachate control, collection and treatment as required? 17-7.050(4)(e)(5)(h)	<u> </u>				1
<u> </u>	COVER					1
39.	Adequate quantity of acceptable cover material on hand? 17-7.050(2)(c)					l
40.	Frequency, amount and quality of initial cover, as required? 17-7.050(5)(m)	1/	<u> </u>			$\left\{ \right.$
41.	Frequency, amount and quality of intermediate cover, as required? 17-7.050(5)(n)	V				-
42.						$\frac{1}{1}$
	Frequency, amount and quality of final cover, as required? 17-7.050(5)(0);17-7.073(6)(c)			<i>'</i>		$\frac{1}{2}$
43.		·/		·		1
VI 44.	CLOSURE Final cover installation according to approved design plans and present condition and function adequate? 17-7.073(6)(c)	,				
45.	Facility meets closure requirements prohibiting unauthorized dumping? 17-7.073(6)(h)					1
	All actions for closure completed satisfactorily according to approved closure operation plan? 17-7.073(7)					-
47.	Final survey and as-built report with all survey monuments and other permanent markers installed satisfactorily? 17-7.074(2)(3)	, ,				
48.	Authorized use of closed landfill and integrity of environmental protection measures maintained? 17-7.074(6)(7)					
49.	Long term care performed adequately? 17-7.075					
VII 50.	NON-LANDFILL SITES Volume reduction plant operation in compliance with all permit conditions and other applicable requirements? 17-7.090					
51.	Transfer station operation in compliance with all requirements and general permit conditions? 17-7.091					1
52.	Milling facility in compliance with all required conditions of operation? 17-7.060(4)					1
53.	Resource recovery facility in compliance with all permit conditions and applicable requirements? 17-7.090					
VIII	NARRATIVE	<u> </u>		· · · · · · · · · · · · · · · · · · ·		
	anation for all "no" responses and other comments (continue on separate sheet if ssary)					
	Fugitive dust was a real problem during inspection - Value had wetted roads. Dust primarily from ash stor landfill expansion project (liner material). No cover the ash pile or somehow control dust problems face within requirements.		<u> P</u>		ay —	
Depa	ed: <u>Alslie Buth</u> 14/19/90 Received: <u>Classes States</u> 14/1 DER Representative Date Site Representative Date rtment copy (white) lity copy (vellow)	2/2 R	ece	9VE		_

Page 2

Yes No Unk N/A

REQUIREMENTS