



BIGGS & MATHEWS ENVIRONMENTAL

Consulting Engineers • Hydrogeologists

Mansfield • Wichita Falls

October 7, 2016

Chance Goodin
Manager, Municipal Solid Waste Section
MC-124
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Re: Skyline Landfill
Dallas and Ellis Counties, Texas
TCEQ Permit No. MSW 42D
Permit Modification – Use of Posi-Shell Base Mix and Quick Cover Alternate Daily Cover
as Alternative Daily Cover Material
RN 100542232; CN 603572132

Dear Mr. Goodin:

On behalf of Waste Management of Texas, Inc., enclosed is a permit modification for the Skyline Landfill, TCEQ Permit No. MSW 42D. This permit modification has been prepared consistent with Title 30 of the Texas Administrative Code (TAC) §305.70(k)(1). The proposed permit modification includes a revision to the Site Operating Plan for the use of an alternative daily cover material on a permanent basis. A permit modification narrative is included in this submittal.

One original and two copies of the permit modification are provided for your review and comment. Revisions have been highlighted and the revision number and date are noted on each page revised. A copy of the modification has been sent to the TCEQ Region 4 Office. A copy of this submittal was placed in the site operating record for this facility.

We believe the enclosed modification to be consistent with the requirements of the Texas Commission on Environmental Quality. Please call or e-mail me if you have any questions at 817-563-1144 or kwelch@biggsandmathews.com.

Sincerely,

BIGGS & MATHEWS ENVIRONMENTAL
TBPE No. F-256 • TBPG No. 50222

Kenneth J. Welch, P.E.
Principal Engineer

Attachments: Permit Modification (original and two copies)

cc: Ms. Paula Carboni, Waste Management of Texas, Inc. (3)
Mr. Tony Walker, TCEQ Region 4 (1)



**CORRESPONDENCE COVER SHEET
WASTE PERMITS DIVISION
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**

Date: 10/07/2016
 Facility Name: Skyline Landfill
 Permit or Registration No.: 42D

Nature of Correspondence:
 Initial/New
 Response/Revision*

*If Response/Revision, please provide previous TCEQ Tracking No.:

(Previous TCEQ Tracking No. can be found in the Subject line of the TCEQ's response letter to your original submittal.)

This cover sheet should accompany all correspondences submitted to the Waste Permits Division and should be affixed to the front of your submittal as a cover page. Please check the appropriate box for the type of correspondence being submitted. For questions regarding this form, please contact the Waste Permits Division at (512) 239-2335.

Table 1 - Municipal Solid Waste

APPLICATIONS	REPORTS and RESPONSES
<input type="checkbox"/> New Notification	<input type="checkbox"/> Closure Report
<input type="checkbox"/> New Permit (including Subchapter T)	<input type="checkbox"/> Groundwater Alternate SRC Demonstration
<input type="checkbox"/> New Registration (including Subchapter T)	<input type="checkbox"/> Groundwater Corrective Action
<input type="checkbox"/> Major Amendment	<input type="checkbox"/> Groundwater Monitoring Report
<input type="checkbox"/> Minor Amendment	<input type="checkbox"/> Groundwater Statistical Evaluation
<input type="checkbox"/> Limited Scope Major Amendment	<input type="checkbox"/> Landfill Gas Corrective Action
<input checked="" type="checkbox"/> Notice Modification	<input type="checkbox"/> Landfill Gas Monitoring
<input type="checkbox"/> Non-Notice Modification	<input type="checkbox"/> Liner Evaluation Report
<input type="checkbox"/> Transfer/Name Change Modification	<input type="checkbox"/> Soil Boring Plan
<input type="checkbox"/> Temporary Authorization	<input type="checkbox"/> Special Waste Request
<input type="checkbox"/> Voluntary Revocation	<input type="checkbox"/> Other:
<input type="checkbox"/> Subchapter T Workplan	
<input type="checkbox"/> Other:	

Table 2 - Industrial & Hazardous Waste

APPLICATIONS	REPORTS and RESPONSES
<input type="checkbox"/> New	<input type="checkbox"/> Annual/Biennial Site Activity Report
<input type="checkbox"/> Renewal	<input type="checkbox"/> CfPT Plan/Result
<input type="checkbox"/> Post-Closure Order	<input type="checkbox"/> Closure Certification/Report
<input type="checkbox"/> Major Amendment	<input type="checkbox"/> Construction Certification/Report
<input type="checkbox"/> Minor Amendment	<input type="checkbox"/> CPT Plan/Result
<input type="checkbox"/> Class 3 Modification	<input type="checkbox"/> Extension Request
<input type="checkbox"/> Class 2 Modification	<input type="checkbox"/> Groundwater Monitoring Report
<input type="checkbox"/> Class 1 ED Modification	<input type="checkbox"/> Interim Status Change
<input type="checkbox"/> Class 1 Modification	<input type="checkbox"/> Interim Status Closure Plan
<input type="checkbox"/> Endorsement	<input type="checkbox"/> Soil Core Monitoring Report
<input type="checkbox"/> Temporary Authorization	<input type="checkbox"/> Treatability Study
<input type="checkbox"/> Voluntary Revocation	<input type="checkbox"/> Trial Burn Plan/Result
<input type="checkbox"/> 335.6 Notification	<input type="checkbox"/> Unsaturated Zone Monitoring Report
<input type="checkbox"/> Other:	<input type="checkbox"/> Waste Minimization Report
	<input type="checkbox"/> Other:

**SKYLINE LANDFILL
DALLAS AND ELLIS COUNTIES, TEXAS
TCEQ PERMIT NO. MSW 42D**

PERMIT MODIFICATION

Prepared for

WASTE MANAGEMENT OF TEXAS, INC.

October 2016



Biggs & Mathews Environmental, Inc.
Firm Registration No. F-256

Prepared by

BIGGS & MATHEWS ENVIRONMENTAL

1700 Robert Road, Suite 100 ♦ Mansfield, Texas 76063 ♦ 817-563-1144

TEXAS BOARD OF PROFESSIONAL ENGINEERS
FIRM REGISTRATION NO. F-256

TEXAS BOARD OF PROFESSIONAL GEOSCIENTISTS
FIRM REGISTRATION NO. 50222

**SKYLINE LANDFILL
DALLAS AND ELLIS COUNTIES, TEXAS
TCEQ PERMIT NO. MSW 42D**

PERMIT MODIFICATION

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PERMIT MODIFICATION NARRATIVE

PART I FORM

ATTACHMENT 1 – LAND OWNERSHIP MAP AND LAND OWNERSHIP LIST

ATTACHMENT 2 – MARKED (REDLINE/STRIKEOUT) PAGES

ATTACHMENT 3 – UNMARKED REVISED PAGES

PERMIT MODIFICATION NARRATIVE

Introduction

The purpose of this permit modification is to provide minor revisions to the Site Operating Plan. These minor revisions include a revised alternative daily cover section and subsequent appendix. This permit modification has been prepared consistent with the applicable provisions of 30 Texas Administrative Code (TAC) §305.70(k) for permit modifications that are *“minor changes to an MSW facility or its operation that do not substantially alter the permit or registration conditions and do not reduce the capability of the facility to protect human health and the environment.”* The proposed permit modification for the Skyline Landfill meets this definition.

The following section identifies each permit modification requirement, identifies the revisions within this permit modification, and states how the proposed revisions meet the specific permit modification requirements:

Proposed Permit Modification

The proposed permit modification requirements established in 30 TAC §305.70(k) and included in this submittal are identified below. The specific permit modification rule is stated in the following narrative in *“italics”* with the proposed revision justification stated. The following describes the proposed permit modification.

30 TAC §305.70(k)(1) – *the use of an alternate daily cover material on a permanent basis in accordance with §330.165(d) of this title (relating to Landfill Cover);*

This permit modification is submitted as a redline/strikeout copy to the Site Operating Plan which was approved on June 9, 2016 as part of TCEQ MSW Permit No. 42D. The proposed revision to the Site Operating Plan reflects an update to the alternative daily cover section and subsequent appendix for the use of an alternative daily cover on a permanent basis.

The Skyline Landfill was authorized for the use of Posi-Shell Base Mix and Quick Cover Alternate Daily Cover as alternative daily cover as a temporary authorization on October 2, 2015. An extension of the temporary authorization was issued on April 8, 2016. These materials were used at the Skyline Landfill and demonstrated their effectiveness as alternative daily cover.

This permit modification includes only the pages within the Site Operating Plan that are revised with this permit modification.

Facility Name: Skyline Landfill
Permittee/Registrant Name: Waste Management of Texas, Inc.
MSW Authorization #: 42D
Initial Submittal Date: 10/7/2016
Revision Date:



Texas Commission on Environmental Quality

Permit/Registration Modification and Temporary Authorization Application Form for an MSW Facility

1. Reason for Submittal

- Initial Submittal Notice of Deficiency (NOD) Response

2. Authorization Type

- Permit Registration

3. Application Type

- Modification with Public Notice Modification without Public Notice
 Temporary Authorization (TA) Modification for Name Change/Transfer

4. Application Fees

- Pay by Check Online Payment

If paid online, e-Pay Confirmation Number: **582EA000233506**

5. Application URL

Is the application submitted for a permit/registration modification with public notice?

- Yes No

If the answer is "Yes", enter the URL address of a publicly accessible internet web site where the application and all revisions to that application will be posted in the space provided: **<http://www0.wm.com/wm/texas/permits.asp>**

6. Confidential Documents

Does the application contain confidential documents?

- Yes No

If "Yes", cross-reference the confidential documents throughout the application and submit as a separate attachment in a binder clearly marked "CONFIDENTIAL."

7. General Facility Information

Facility Name: **Skyline Landfill**
MSW Authorization No.: **42D**
Regulated Entity Reference No.: **100542232**
Physical or Street Address (if available): **1201 North Central St**
City: **Ferris** County: **Ellis** State: **TX** Zip Code: **75125-2101**
(Area code) Telephone Number: **(972) 842-5710**
Latitude: **32°32'48.0** Longitude: **96°39'57.4**

8. Facility Type(s)

- | | | |
|--|-------------------------------------|----------------------------------|
| <input checked="" type="checkbox"/> Type I | <input type="checkbox"/> Type IV | <input type="checkbox"/> Type V |
| <input type="checkbox"/> Type I AE | <input type="checkbox"/> Type IV AE | <input type="checkbox"/> Type VI |

9. Description of the Revisions to the Facility

Provide a brief description of all revisions to the permit/registration conditions and supporting documents referred by the permit/registration, and a reference to the specific provisions under which the modification/temporary authorization application is being made. Also, provide an explanation of why the modification/temporary authorization is requested: **Permit modification prepared consistent with 30 TAC 307.70(k)(1) to include a revision to the Site Operating Plan for the use of an alternate daily cover material on a permanent basis.**

This section is intentionally left blank; please continue to the next page.

10. Facility Contact Information

Site Operator (Permittee/Registrant) Name: Waste Management of Texas, Inc.

Customer Reference No. (if issued)*: **CN603572132**

Mailing Address: **1201 North Central St**

City: **Ferris** County: **Ellis** State: **TX** Zip Code: **75125-2101**

(Area Code) Telephone Number: **(972) 842-5710**

Email Address: **pcarboni@wm.com**

TX Secretary of State (SOS) Filing Number: **22300000**

*If the Site Operator (Permittee/Registrant) does not have this number, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Site Operator (Permittee/Registrant) as the Customer.

Operator Name¹: Same as Site Operator (Permittee/Registrant)

Customer Reference No. (if issued)*: **Same as Site Operator**

(Permittee/Registrant)

Mailing Address:

City: County: State: Zip Code:

(Area Code) Telephone Number:

Email Address:

Charter Number:

¹If the Operator is the same as Site Operator/Permittee type "Same as "Site Operator (Permittee/Registrant)".

*If the Operator does not have this number, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Operator as the customer.

Consultant Name (if applicable): Biggs and Mathews Environmental, Inc.

Texas Board of Professional Engineers Firm Registration Number: **F-256**

Mailing Address: **1700 Robert Rd STE 100**

City: **Mansfield** County: **Tarrant** State: **TX** Zip Code: **76063**

(Area Code) Telephone Number: **(817) 563-1144**

E-Mail Address: **kwelch@biggsandmathews.com**

Agent in Service Name (required only for out-of-state):

Mailing Address:

City: County: State: Zip Code:

(Area Code) Telephone Number:

E-Mail Address:

11. Ownership Status of the Facility

Is this a modification that changes the legal description, the property owner, or the Site Operator (Permittee/Registrant)?

Yes No

If the answer is "No", skip this section.

Does the Site Operator (Permittee/Registrant) own all the facility units and all the facility property?

Yes No

If "No", provide the information requested below for any additional ownership.

Owner Name:

Street or P.O. Box:

City: County: State: Zip Code:

(Area Code) Telephone Number:

Email Address (optional):

Charter Number:

Signature Page

I, Guy R. Campbell, Engineering Manager, North Texas,
(Site Operator (Permittee/Registrant)'s Authorized Signatory) (Title)

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: *Guy R. Campbell* Date: 10-7-16

TO BE COMPLETED BY THE OPERATOR IF THE APPLICATION IS SIGNED BY AN AUTHORIZED REPRESENTATIVE FOR THE OPERATOR

I, _____, hereby designate _____
(Print or Type Operator Name) (Print or Type Representative Name)

as my representative and hereby authorize said representative to sign any application, submit additional information as may be requested by the Commission; and/or appear for me at any hearing or before the Texas Commission on Environmental Quality in conjunction with this request for a Texas Water Code or Texas Solid Waste Disposal Act permit. I further understand that I am responsible for the contents of this application, for oral statements given by my authorized representative in support of the application, and for compliance with the terms and conditions of any permit which might be issued based upon this application.

Printed or Typed Name of Operator or Principal Executive Officer

Signature

SUBSCRIBED AND SWORN to before me by the said Guy R. Campbell

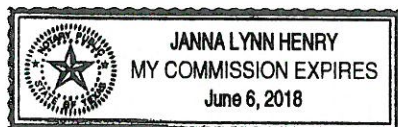
On this 7th day of October, 2016

My commission expires on the 6th day of June, 2018

Janna Lynn Henry
Notary Public in and for

Tarrant County, Texas

(Note: Application Must Bear Signature & Seal of Notary Public)



Permit/Registration Modification with Public Notice

(See Instructions for P.E. seal requirements.)

Required Attachments

Attachment No.

Land Ownership Map	1A
Land Ownership List	1B
Marked (Redline/Strikeout) Pages	2
Unmarked Revised Pages	3

Additional Attachments as Applicable- Select all those apply and add as necessary

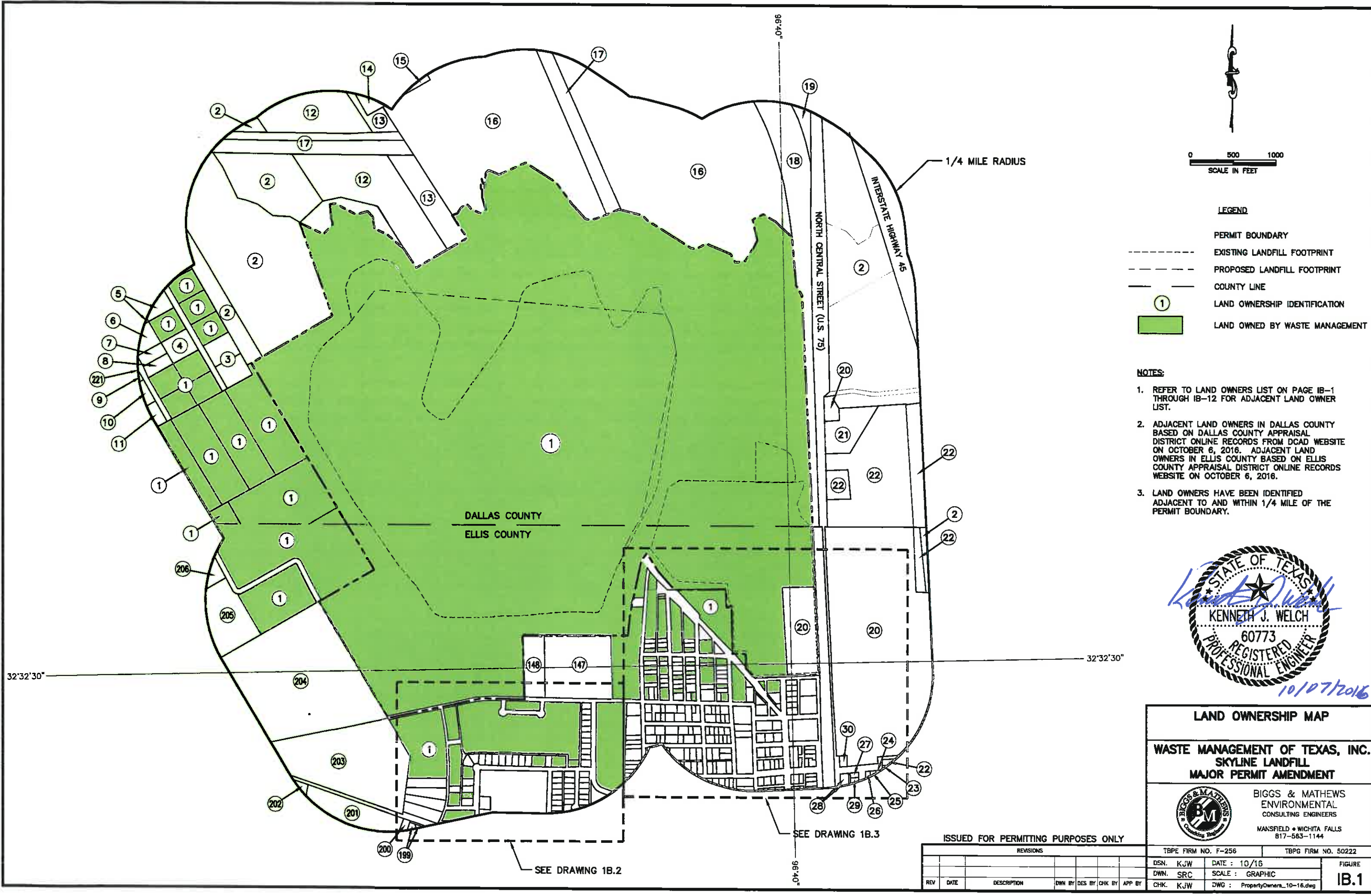
- Signatory Authority
- Fee Payment Receipt
- Confidential Documents

ATTACHMENT 1

LAND OWNERSHIP MAP AND LAND OWNERSHIP LIST

ATTACHMENT 1A
LAND OWNERSHIP MAP

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- LEGEND**
- PERMIT BOUNDARY
 - - - - EXISTING LANDFILL FOOTPRINT
 - - - - PROPOSED LANDFILL FOOTPRINT
 - COUNTY LINE
 - ① LAND OWNERSHIP IDENTIFICATION
 - LAND OWNED BY WASTE MANAGEMENT

- NOTES:**
1. REFER TO LAND OWNERS LIST ON PAGE IB-1 THROUGH IB-12 FOR ADJACENT LAND OWNER LIST.
 2. ADJACENT LAND OWNERS IN DALLAS COUNTY BASED ON DALLAS COUNTY APPRAISAL DISTRICT ONLINE RECORDS FROM DCAD WEBSITE ON OCTOBER 6, 2016. ADJACENT LAND OWNERS IN ELLIS COUNTY BASED ON ELLIS COUNTY APPRAISAL DISTRICT ONLINE RECORDS WEBSITE ON OCTOBER 6, 2016.
 3. LAND OWNERS HAVE BEEN IDENTIFIED ADJACENT TO AND WITHIN 1/4 MILE OF THE PERMIT BOUNDARY.



LAND OWNERSHIP MAP
WASTE MANAGEMENT OF TEXAS, INC.
SKYLINE LANDFILL
MAJOR PERMIT AMENDMENT


BIGGS & MATHEWS
 ENVIRONMENTAL
 CONSULTING ENGINEERS
 MANSFIELD • WICHITA FALLS
 817-563-1144

ISSUED FOR PERMITTING PURPOSES ONLY						TBPE FIRM NO. F-256	TBPG FIRM NO. 50222	
REVISIONS						DSN. KJW	DATE : 10/16	FIGURE
						DWN. SRC	SCALE : GRAPHIC	IB.1
						CHK. KJW	DWG : PropertyOwners_10-16.dwg	
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY		

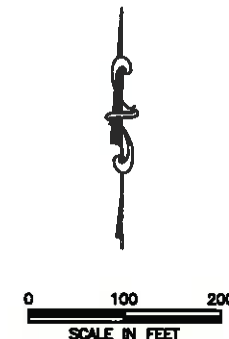
32'32'30"

32'32'30"

SEE DRAWING 1B.2

SEE DRAWING 1B.3

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LEGEND

PERMIT BOUNDARY

① LAND OWNERSHIP IDENTIFICATION

■ LAND OWNED BY WASTE MANAGEMENT

- NOTES:**
1. REFER TO LAND OWNERS LIST ON PAGE IB-1 THROUGH IB-12 FOR ADJACENT LAND OWNER LIST.
 2. ADJACENT LAND OWNERS IN DALLAS COUNTY BASED ON DALLAS COUNTY APPRAISAL DISTRICT ONLINE RECORDS FROM DCAD WEBSITE ON OCTOBER 6, 2016. ADJACENT LAND OWNERS IN ELLIS COUNTY BASED ON ELLIS COUNTY APPRAISAL DISTRICT ONLINE RECORDS WEBSITE ON OCTOBER 6, 2016.
 3. LAND OWNERS HAVE BEEN IDENTIFIED ADJACENT TO AND WITHIN 1/4 MILE OF THE PERMIT BOUNDARY.



LAND OWNERSHIP MAP

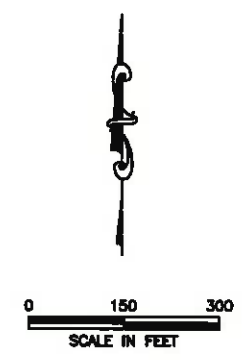
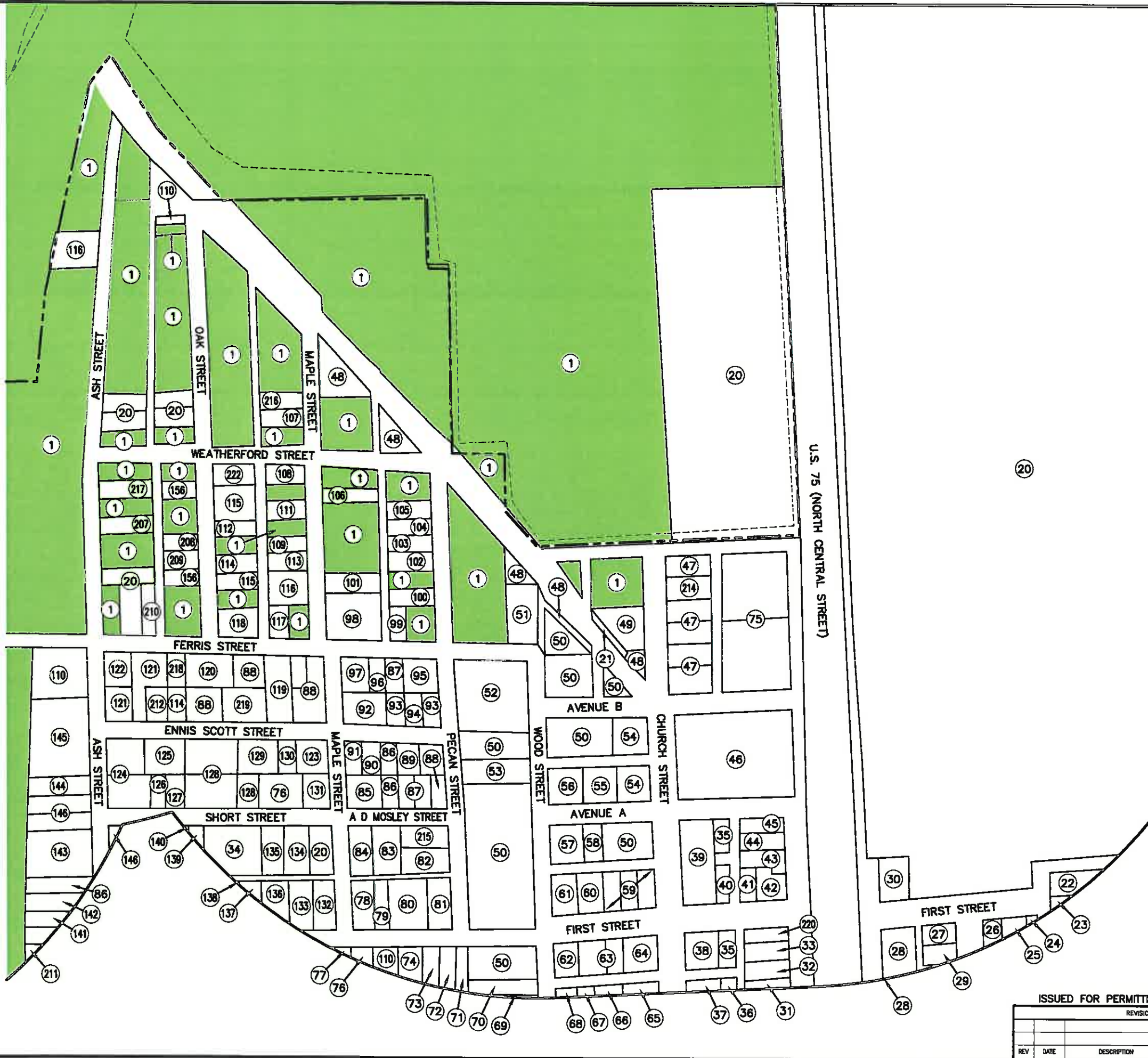
WASTE MANAGEMENT OF TEXAS, INC.
SKYLINE LANDFILL
MAJOR PERMIT AMENDMENT

BIGGS & MATHEWS
 ENVIRONMENTAL
 CONSULTING ENGINEERS
 MANSFIELD • WICHITA FALLS
 817-563-1144

ISSUED FOR PERMITTING PURPOSES ONLY

REVISIONS				TBPE FIRM NO. F-256	TBPG FIRM NO. 50222				
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY	DSN. KJW	DATE : 10/16	FIGURE
							DWN. SRC	SCALE : GRAPHIC	IB.2
							CHK. KJW	DWG : PropertyOwners_10-16.dwg	

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- LEGEND**
- PERMIT BOUNDARY
 - - - - EXISTING LANDFILL FOOTPRINT
 - - - - PROPOSED LANDFILL FOOTPRINT
 - ① LAND OWNERSHIP IDENTIFICATION
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LAND OWNERSHIP MAP

WASTE MANAGEMENT OF TEXAS, INC.
SKYLINE LANDFILL
MAJOR PERMIT AMENDMENT

BIGGS & MATHEWS
 ENVIRONMENTAL
 CONSULTING ENGINEERS
 MANSFIELD • WICHITA FALLS
 B17-583-1144

ISSUED FOR PERMITTING PURPOSES ONLY

REVISIONS				DATE	BY	DESCRIPTION

DSN. KJW	DATE : 10/16	FIGURE IB.3
DWN. SRC	SCALE : GRAPHIC	
CHK. KJW	DWG : PropertyOwners_10-16.dwg	

ATTACHMENT 1B
LAND OWNERSHIP LIST

**Skyline Landfill
Land Owners List
(From Appraisal District Records for Dallas and Ellis County – October 7, 2016)**

1	Waste Management of TX, Inc.	PO Box 276	Lewisville	TX	75067-0276
2	Kenneth Johnson	PO Box 375	Ferris	TX	75125-0375
3	Aldersgate Church	5500 Sayle St	Greenville	TX	75402-6324
4	John Stephens	1911 Williams Rd	Irving	TX	75060-3362
5	Hector C. & Minerva Perez	2614 Sleepy Hollow Ln	Lancaster	TX	75146-5900
6	Eleno Padierna	3314 Linkwood Dr	Lancaster	TX	75146-5908
7	Veronica Stewart	3418 Linkwood Dr	Lancaster	TX	75146-5909
8	James W. Stewart	3420 Linkwood Dr	Lancaster	TX	75146-5909
9	Enrique Martinez	814 S Clinton Ave	Dallas	TX	75208-5923
10	Rafael Silva	125 Summerall Ln	Red Oak	TX	75154-7209
11	Sabrina Huff	3427 Linkwood Dr	Lancaster	TX	75146-5911
12	Hamid Rahmani	6102 Tiffany Oaks Ln	Arlington	TX	76016-2030
13	Charles Edward Jones	1539 Southerland Ave	Dallas	TX	75203-4336
14	Sassin Investments, Inc.	PO Box 266	Wilmer	TX	75122-0266
15	Sassin and Sons	PO Box 266	Wilmer	TX	75122-0266
16	E. L. Smith III et al c/o Smith Trust Agency	3838 Oak Lawn Ave Ste. 1525	Dallas	TX	75219-4527
17	TX Utilities Electric Company	PO Box 219071	Dallas	TX	75221-9071
18	Union Pacific Railroad c/o Tax Department	1400 Douglas St Stop 1640	Omaha	NE	68179-1001
19	Prime Rail Interest LLC	PO Box 249	Colleyville	TX	76034

**Skyline Landfill
Land Owners List
(From Appraisal District Records for Dallas and Ellis County – October 7, 2016)**

20	City of Ferris	100 Town Plaza	Ferris	TX	75125-2537
21	Ferris ISD	PO Box 428	Ferris	TX	75125-0428
22	Old Brickyard Group LLC	605 N. Interstate Hwy 45	Ferris	TX	75125-1826
23	Cassandra Vander	411 Webb St	Ferris	TX	75125-1730
24	Hilda Hernandez	415 Webb St	Ferris	TX	75125-1730
25	Juana Gandarilla	408 E. First St	Ferris	TX	75125-1725
26	Melvin Ray Kannady	410 N. Baker St	Ferris	TX	75125-1712
27	Arturo M Garcia & Maribel P. Hernandez	106 East 1 st St	Ferris	TX	75125
28	Sergio Salano	7225 W. Flower St	Phoenix	AZ	85033
29	Raymond Caldwell	409 N. Baker St	Ferris	TX	75125
30	Estate of John Ovalle & Victor Garcia	1805 Lakeview Dr	Grand Prairie	TX	75051-5551
31	Emilia Perez	163B Alvis Ln	Ferris	TX	75125
32	Monica Moreno	820 Ferris Ave Ste. 225	Waxahachie	TX	75165-2684
33	Jaime Garcia	411 N. Main St	Ferris	TX	75125
34	Jesus & Amelia De La Rosa	700 A D Mosley St	Ferris	TX	75125-1545
35	Ellis County Trustee	101 W. Main St	Waxahachie	TX	75165-0405
36	Michael Moffitt	PO Box 573	Ferris	TX	75125
37	Michael D. Johnson	211 W 2 nd St	Ferris	TX	75125-1606
38	Maria G. Garcia	101 E 4 th St	Ferris	TX	75125-2107
39	Monica Moreno & Cleotilde Moreno	309 N. Main St	Ferris	TX	75125-1633

**Skyline Landfill
Land Owners List**
(From Appraisal District Records for Dallas and Ellis County – October 7, 2016)

40	Jesus & Lilia Orozco	2921 Holy Cross Ln	Garland	TX	75044-4673
41	Arnaldo D. Diaz	2813 Rio Grande St	Austin	TX	78705
42	W. W. Wright Estate % Jean Wright Daugherty	8544 Foxwood Ln	Dallas	TX	75217-2057
43	Robert K. & Ofelia Grass	1375 FM 1389 N	Combine	TX	75159
44	Moises Abel & Martha Rojas	2822 McKinney Dr	Lancaster	TX	75134
45	Ophelia Johnson	515 N. Main St	Ferris	TX	75125
46	Lonnie R. & Evelyn M. Mitchell	PO Box 32	Ferris	TX	75125-0032
47	Morris G. Magness	PO Box 205	Ferris	TX	75125-0205
48	ONCOR Electric Delivery c/o State & Local Tax Dept.	PO Box 219071	Dallas	TX	75221-9071
49	Pinkie Yeldell	PO Box 150	Ferris	TX	75125-0150
50	Housing Authority of City of Ferris	PO Box 272	Ferris	TX	75125-0272
51	Maurice Banuelos	309 Adams St	Wilmer	TX	75172-1020
52	Greater Lighthouse Church of God in Christ	PO Box 305	Ferris	TX	75125-0305
53	Ruben Mendez & Olivia Garcia	607 N. Wood St	Ferris	TX	75125
54	Alfredo H. Morales	305 E. 7 th St	Ferris	TX	75125
55	Maria Lopez	307 Ave A	Ferris	TX	75125
56	Delorice Pates	311 Ave A	Ferris	TX	75125
57	Hilario Moreno	518 N. Wood St	Ferris	TX	75125
58	Martin & Maria Mendez	607 A D Mosley St	Ferris	TX	75125-1542
59	Jason P. & Theresa M. Smithey	3161 FM 1446	Waxahachie	TX	75167

**Skyline Landfill
Land Owners List
(From Appraisal District Records for Dallas and Ellis County – October 7, 2016)**

60	Jose Ozuna	307 W. First St	Ferris	TX	75125
61	Maria E. Ramirez	311 W. First St	Ferris	TX	75125
62	Marciano Romero	410 N. Wood St	Ferris	TX	75125
63	Jason Smithy	3161 FM 1446	Waxahachie	TX	75167-8573
64	Mario N. Rivas, Jr.	300 W. 1 st St	Ferris	TX	75125-1605
65	Sandra & Pete Aguinaga c/o Kay & Howard Wickliffe	301 W. 2 nd St	Ferris	TX	75125
66	Hermila & Nicolas Barajas	PO Box 1615	Red Oak	TX	75154
67	Daniel Hernandez	314 Mable St	Ferris	TX	75125
68	Manuel & Leticia Hernandez	406 N. Wood St	Ferris	TX	75125
69	Augustina C. Luna	405 N. Wood St	Ferris	TX	75125
70	Jamie Garcia Mendez	407 N. Wood St	Ferris	TX	75125
71	Western Hills LTD/FWH	700 E. 1 st St	Ferris	TX	75125
72	David Barnes, Jr.	PO Box 38	Ferris	TX	75125
73	Carmen Banks	PO Box 103	Ferris	TX	75125-0103
74	Isidro & Yolanda Moreno	512 W 1 st St	Ferris	TX	75125-0623
75	Magness Cabinet Shop	645 Slate Rock Rd	Ennis	TX	75119-0748
76	Martin Mendez & Maria Jesus Mendez Hernandez	607 A D Mosley St	Ferris	TX	75125-1542
77	True Vine Missionary Baptist Church	603 W. First St	Ferris	TX	75125
78	Marvin Joe Carey	517 W. First St	Ferris	TX	75125
79	T. L. Wheeler	1314 Stafford St	Dallas	TX	75208-1433

**Skyline Landfill
Land Owners List
(From Appraisal District Records for Dallas and Ellis County – October 7, 2016)**

80	Alice Izora Hames	505 W. First St	Ferris	TX	75125
81	Henry Bruce	2863 Marjorie Ave	Dallas	TX	75216
82	Humberto & Francisca M. Carbajal	509 Pecan St	Ferris	TX	75125
83	Anna C Olvera	512 A D Mosley St	Ferris	TX	75125-1541
84	Charlie R Grady	518 A D Mosley St	Ferris	TX	75125-1541
85	Gerardo & Francisco Vasquez	524 A D Mosley St	Ferris	TX	75125
86	William & Louis F. Harrison	PO Box 87	Ferris	TX	75125-0087
87	Foris M. & Earl Nichols	2822 Larkspur Ln	Dallas	TX	75233
88	Paul W. Jones	515 N. Main St	Ferris	TX	75125
89	Bud Carter c/o David L. Carter	317 Leads St	Dallas	TX	75203-3144
90	Artiz L. & Monica Murray	2004 Town Pl	Garland	TX	75041-4817
91	Jose & Leticia Hernandez	648 Maple St	Ferris	TX	75125-1551
92	Greater Johnson Chapel AME Church	517 Front St	Ferris	TX	75125
93	Gregorio & Minerva Chavez	616 Neck Rd	Ferris	TX	75125-8872
94	Nancy L. Armstrong	505 Front St	Ferris	TX	75125-1526
95	Gloria D. Washington	PO Box 146	Ferris	TX	75125
96	Vence Hyder	512 Ferris Rd	Ferris	TX	75125-1102
97	Matilde E Rodriguez	4445 Highland St	Lancaster	TX	75134-1423
98	Church of Christ	509 Ferris St	Ferris	TX	75125
99	Ferris St Church of Christ	509 Ferris Rd	Ferris	TX	75125

**Skyline Landfill
Land Owners List**
(From Appraisal District Records for Dallas and Ellis County -- October 7, 2016)

100	Paulo M. Saenz & Maria R. Vasquez Hernandez	809 Pecan St	Ferris	TX	75125
101	Lewis Hayes Estate c/o C. McIntosh	1346 Briarbrook Dr	DeSoto	TX	75115-3000
102	Harry Jordon	PO Box 763428	Dallas	TX	75376-3428
103	Ellen Mathis	821 Pecan St	Ferris	TX	75125-1125
104	Willie & Hubert Mozwe L/E, Ellen Mathis, Sherley Banks	829 Pecan St	Ferris	TX	75125-1125
105	Aritz Lee Murray, Jr. & Evelyn Faye Murray	829 Pecan St	Ferris	TX	75125-1125
106	Lawrence & Alice F. Wiley	824 Maple St	Ferris	TX	75125-1128
107	M & M Investments & Partners, Inc.	PO Box 643	Ferris	TX	75125
108	Hilda M. Hernandez	829 Maple St	Ferris	TX	75125-1127
109	Nicolasa Maldonado	702 Oakbrook Ln	Seagoville	TX	75159
110	Ellis County Trustee	PO Box 188	Waxahachie	TX	75168
111	Jeanette Adkins, Joey Ransom, John Ransom, William Ransom	2211 S. Ewing Ave	Dallas	TX	75216-2420
112	Peggy L. Jarvis	713 Mill Creek Rd	Lancaster	TX	75146-2836
113	George Brookins, Jr.	803 Maple St	Ferris	TX	75125-1127
114	Marian Hunter, et al.	8036 Olusta Dr	Dallas	TX	75217-6779
115	Ana Tafolla	135 N Masters Dr	Dallas	TX	75217-7615
116	Dorothy Brookins	803 Maple St	Ferris	TX	75125-1127
117	Charles Neal & Vivian Zonelle Fulton	313 Mulberry St	Ferris	TX	75125-1803
118	Arturo Delgadillo	1490 Trumbull Rd	Ferris	TX	75125-8406

**Skyline Landfill
Land Owners List
(From Appraisal District Records for Dallas and Ellis County -- October 7, 2016)**

119	Lourdes Aranjó	607 Front St	Ferris	TX	75125
120	Michael Sims	616 Ferris Rd	Ferris	TX	75125-1104
121	Mt. Rose Primitive Baptist c/o Sharon Sims	PO Box 276	Ferris	TX	75125-1504
122	Opal M. Scott, et al c/o Mazrine Bowie	616 Ferris Rd	Ferris	TX	75125
123	Lilia Ferrer	9513 McClung Ln	Dallas	TX	75217-8604
124	Elmer J. & Wanda F. Holbert	604 Ash St	Ferris	TX	75125
125	Alton & Verda B. Pipkin	704 Ennis Scott St	Ferris	TX	75125-1553
126	Cecilia Robertson	817 Live Oak St	Wilmer	TX	75172-1506
127	Sonna Monsivaiz & Mary Masek	PO Box 643	Ferris	TX	75125
128	God's Kingdom United Methodist Church c/o Patsy Richards	PO Box 62	Ferris	TX	75125
129	Melissa Sargent	505 Meadowridge St	Ferris	TX	75125-1528
130	Catherine Berry	606 Front St	Ferris	TX	75125-1555
131	Billy Thompson	601 A D Mosley St	Ferris	TX	75125-1542
132	Robert Scott	603 W. First St	Ferris	TX	75125-1506
133	Carolina V. Alvarado	607 W. First St	Ferris	TX	75125
134	Maude Oliphant Estate c/o Lucy Mae McDonald	604 Short St	Ferris	TX	75125
135	Macedonia Church of God in Christ	610 A D Mosley St	Ferris	TX	75125-1543
136	Alfredo Ovalle	611 W. First St	Ferris	TX	75125-1506

**Skyline Landfill
Land Owners List
(From Appraisal District Records for Dallas and Ellis County – October 7, 2016)**

137	Mable Murray Estate c/o Ruth Scott	603 W. First St	Ferris	TX	75125-1506
138	Juan & Maria Mendez	411 N. Dallas St	Palmer	TX	75152-9687
139	Datrelle D. Black	708 A D Mosley St	Ferris	TX	75125
140	Easter F Richard et al	708 A D Mosley St	Ferris	TX	75125-1545
141	James Howard c/o D McKinney	2519 Club Terrace Dr	Dallas	TX	75237-2707
142	T. L. Reagor	PO Box 592	Ferris	TX	75125-0592
143	Benon Pipkin	PO Box 29	Ferris	TX	75125
144	Mary Patricia Sands	609 Ash St	Ferris	TX	75125-1514
145	Earnie B & Shryl D Scroggins	515 Lusino Ct	Grand Prairie	TX	75052
146	Efrain Franco & Maria Gomez	106 Hurst Cir	Ferris	TX	75125-9791
147	Ferris Memorial Parks, Inc.	PO Box 292	Ferris	TX	75125-0292
148	Ferris Memorial Park, Inc.	120 Magnolia St	Ferris	TX	75125-2309
149	Sandra Johnson	541 Ewing St	Ferris	TX	75125-1524
150	Triple Time Property Solutions, Inc.	PO Box 923	Lake Dallas	TX	75065-0923
151	Juliet D. Rouwtt	529 Ewing St	Ferris	TX	75125-1524
152	Thurman & Eula Adams	525 Ewing St	Ferris	TX	75125-1524
153	Christal S. & Jose E. Ortiz	2261 84W Hwy	Mexia	TX	76667
154	Ruby Griggs	517 Ewing St	Ferris	TX	75125-1524
155	Carolyn Hollywood	513 Ewing St	Ferris	TX	75125-1524

**Skyline Landfill
Land Owners List
(From Appraisal District Records for Dallas and Ellis County -- October 7, 2016)**

156	Grand Homes Irrevocable Spendthrift Trust	PO Box 643	Ferris	TX	75125
157	Mack Troy Williams	505 Ewing St	Ferris	TX	75125-1524
158	Cherry J. McCray	501 Ewing St	Ferris	TX	75125-1524
159	Sherman B. & Nancy L. Swafford	432 Meadowgate Cir	Ferris	TX	75125-1402
160	Betty J. Parks	428 Meadowgate Cir	Ferris	TX	75125-1402
161	Adam Arevalo	424 Meadowgate Cir	Ferris	TX	75125-1402
162	Troy L. Richardson	1742 Hunsucker Rd	Palmer	TX	75152
163	Gene Barrick	412 Meadowgate Cir	Ferris	TX	75125-1402
164	Samuel L. Green	408 Meadowgate Cir	Ferris	TX	75125-1402
165	Dewayne B. Casper	403 Meadowgate Cir	Ferris	TX	75125-1401
166	Travis L. White	407 Meadowgate Cir	Ferris	TX	75125-1401
167	R. V. Proctor	411 Meadowgate Cir	Ferris	TX	75125-1401
168	Octavio & Blanca Mendez	415 Meadowgate Cir	Ferris	TX	75125-1401
169	Juanita Mercado	PO Box 123	Ferris	TX	75125-0123
170	Jose C. Gutierrez	423 Meadowgate Cir	Ferris	TX	75125-1401
171	Christopher R. Carrillo Sr.	422 McDaniel Rd	Ferris	TX	75125
172	Vincente Tinoco	431 Meadow Gate Cir	Ferris	TX	75125
173	Javier Dyal	432 Yellow Jacket Dr	Ferris	TX	75125
174	Maria Duran Galindo	428 Yellow Jacket Dr	Ferris	TX	75125-1416
175	Paul H. Coumpy	424 Yellow Jacket Dr	Ferris	TX	75125-1416

**Skyline Landfill
Land Owners List**

(From Appraisal District Records for Dallas and Ellis County – October 7, 2016)

176	R. L. Hooper	420 Yellow Jacket Dr	Ferris	TX	75125-1416
177	Jerry & Alice Holloway	209 N Laramie Cir	Pilot Point	TX	76258-2607
178	Shepherd Place Homes, Inc.	620 Rowlett Rd	Garland	TX	75043-3703
179	Rauf Mendez	114 Zodiak St	Ferris	TX	75125
180	Robert Earl Davis, Jr.	404 Yellow Jacket Dr	Ferris	TX	75125-1416
181	Bobby & Lois Johnson	1009 Western Hills Dr	Ferris	TX	75125-1411
182	Deborah A. Jarvis	1021 Western Hills Dr	Ferris	TX	75125-1411
183	Noe M. Hernandez	1025 Western Hills Dr	Ferris	TX	75125
184	Jessie C. Garza	1901 Risinger Rd	Ferris	TX	75125-8339
185	Gloria M. Coumpy	1037 Western Hills Dr	Ferris	TX	75125-1411
186	Rafael T. Villa & Nancy Trejo	1041 Western Hills Dr	Ferris	TX	75125-1411
187	James & Monique Foster	1045 Western Hills Dr	Ferris	TX	75125-1411
188	Darlene Palmer	1049 Western Hills Dr	Ferris	TX	75125-1411
189	Harvey Cox, Sr. & Odessa H. Cox	118 Clark St	Ferris	TX	75125-1411
190	Kenny Caldwell & Ronny Caldwell c/o G. R. Caldwell	8542 FM 879	Palmer	TX	75152-9126
191	Julio & Celia D. Morales	1069 Western Hills Dr	Ferris	TX	75125-1411
192	Jessie B. Elverton	1073 Western Hills Dr	Ferris	TX	75125-1411
193	Glen A. Bailey	1081 Western Hills Dr	Ferris	TX	75125-1411
194	Michael Pace & Lesia Jackson	410 Rolling Hills Dr	Ferris	TX	75125-1406
195	Gilberto & Frances Gonzales	401 Rolling Hills Dr	Ferris	TX	75125-1405

Skyline Landfill
Land Owners List
(From Appraisal District Records for Dallas and Ellis County – October 7, 2016)

196	Ladd Vien	1015 Ferris Ave	Waxahachie	TX	75165-2588
197	Marcus Moreno	409 Rolling Hills Dr	Ferris	TX	75125-1405
198	Freddie Mae Kibble	PO Box 46	Ferris	TX	75125-0846
199	Endeavor Wall Homes, LLC	2005 N.E. Green Oaks Blvd Ste. 150	Arlington	TX	76006
200	Shaw Creek Ranch 1B LP	25 Highland Park Village Ste. 100-228	Dallas	TX	75205-2726
201	Mandalay Holdings, LLC	700 N. Pearl St Ste. G 208	Dallas	TX	75201
202	Carl W. & Neta H. McAfee	5303 Lafayette Dr	Frisco	TX	75035
203	North TX District Council of The Assembly of God Church	PO Box 838	Waxahachie	TX	75168-0838
204	James & Virginia L. Toomey	116 Magnolia St	Ferris	TX	75125-2309
205	Hector Rojas	2750 Nolan Rd	Lancaster	TX	75146
206	Blanca Borrego	3711 Ravenhill Ln	Arlington	TX	76016-4834
207	Arcadio Mendez	404 E 8 th St	Ferris	TX	75125-2708
208	Mattie B. Evans	459 Glencairn Dr	Dallas	TX	75232-4405
209	Rubisela Chavez-Garcia	516 W 1st St	Ferris	TX	75125
210	J. Cruz & Raquel Garcia	711 Ferris Rd	Ferris	TX	75125-1105
211	Maria F. Diaz	1939 Gaylord	Dallas	TX	75217
212	Erica C. Avila	1229 Powell Rd	Mesquite	TX	75149
213	Allen National Investments, LLC	540 Skyline Dr	Hutchins	TX	75141-4145
214	Sharon M Scott	101 Oakwood Ln	Red Oak	TX	75154-1417
215	Carol J. Wright	PO Box 226	Ferris	TX	75125-0226

**Skyline Landfill
Land Owners List
(From Appraisal District Records for Dallas and Ellis County – October 7, 2016)**

216	GMS Investments	1547 Brookview Dr	Lancaster	TX	75146-9734
217	Delphine Pringle	412 Summertree	Hutchins	TX	75141
218	Adriana Solis	700 Ferris Rd	Ferris	TX	75125
219	Gehu & Teresa Gonzalez	989 Bluffsprings	Ferris	TX	75125
220	Edna Mae Cantfield c/o Mitchell L. Pinkard	6231 Kansas Ave	Omaha	NE	68104-1129
221	Dennis E & Tracey D Curtis	2618 Sleepy Hollow Ln	Lancaster	TX	75146-5900
222	Steve Christian	134 Youngblood Rd	Waxahachie	TX	75165

Mineral Interest and Ownership

The Dallas County Appraisal District (DCAD) records were searched for all mineral interest ownership under the facility. No mineral interest ownership information was available within DCAD for the facility. The Ellis County Appraisal District (EAD) records were searched for all mineral interest ownership under the facility. No mineral interest ownership information was available within EAD for the facility.

ATTACHMENT 2
MARKED (REDLINE/STRIKEOUT PAGES)

**SKYLINE LANDFILL
CITY OF FERRIS
DALLAS AND ELLIS COUNTIES, TEXAS
TCEQ PERMIT NO. MSW 42D**

PERMIT AMENDMENT APPLICATION

PART IV – SITE OPERATING PLAN

Prepared for

Waste Management of Texas, Inc.

Technically Complete April 2, 2015

Permit Issued June 9, 2015

Revised October 2016



Biggs & Mathews Environmental, Inc.
Firm Registration No. F-256

Prepared by

BIGGS & MATHEWS ENVIRONMENTAL

1700 Robert Road, Suite 100 ♦ Mansfield, Texas 76063 ♦ 817-563-1144

TEXAS BOARD OF PROFESSIONAL ENGINEERS
FIRM REGISTRATION No. F-256

TEXAS BOARD OF PROFESSIONAL GEOSCIENTISTS
FIRM REGISTRATION No. 50222



Biggs & Mathews Environmental, Inc.
Firm Registration No. F-256

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Bird Control Plan

**SKYLINE LANDFILL
CITY OF FERRIS
DALLAS AND ELLIS COUNTIES, TEXAS
TCEQ PERMIT APPLICATION NO. MSW 42D**

~~PERMIT AMENDMENT APPLICATION~~

PART IV – SITE OPERATING PLAN

**APPENDIX IVF
ALTERNATIVE DAILY COVER OPERATING PLAN**

Prepared for

Waste Management of Texas, Inc.

Technically Complete April 2, 2015

Permit Issued June 9, 2015

Revised October 2016



Prepared by

BIGGS & MATHEWS ENVIRONMENTAL
1700 Robert Road, Suite 100 ♦ Mansfield, Texas 76063 ♦ 817-563-1144

TEXAS BOARD OF PROFESSIONAL ENGINEERS
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FIRM REGISTRATION No. 50222



10/07/2016

Biggs & Mathews Environmental, Inc.
Firm Registration No. F-256

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APPENDIX IVF-A

Alternative Daily Cover Approval – Contaminated Soils

APPENDIX IVF-B

Alternative Daily Cover – Posi-Shell Base Mix and Quick Cover Alternate Daily Cover

1 INTRODUCTION

This Alternative Daily Cover Operating Plan (ADCOP) has been prepared for the Skyline Landfill consistent with §330.165(d)(4)-(5). The purpose of this ADCOP is to address the following issues:

1. Description and thickness of each ADC material
2. Chemical composition of the material and the MSDS(s) for the ADC (if applicable)
3. Operation methods to be utilized at the site when using the ADC
4. Effect of the ADC on vectors, fires, odors, and windblown litter

As specified in Part IV, SOP, Section 8.18.4 – Alternative Material Daily Cover, ADC may be used to cover exposed waste except when the landfill is to be closed for a period of greater than 24 hours (unless otherwise approved by TCEQ). Refer to Appendix IVF-A for TCEQ approval of contaminated soil as alternative daily cover at the Skyline Landfill. Refer to Appendix IVF-B for the material information for Posi-Shell Base Mix and Quick Cover as Alternate Daily Cover including the temporary authorization approval letter and the status reports for each two-month period during the temporary authorization period.

2 MATERIAL CHARACTERISTICS

2.1 Description of ADC Materials

The following types of ADC materials may be used at the Skyline Landfill.

- Contaminated Soils – Contaminated soil, which may be petroleum product contaminated soils having a total petroleum hydrocarbon (TPH) concentration of 1,500 ppm or less or are otherwise authorized by the TCEQ for disposal and use as cover material, may be applied as ADC. The contaminated soil to be used as daily cover will only be used after the special waste handling procedures identified in Appendix IVB – Special Waste Acceptance Plan have been conducted. The contaminated soil will be placed to a minimum thickness of 6 inches. Clean daily cover soil may be combined with the contaminated soil if necessary.
- Posi-Shell Base Mix – Posi-Shell Base Mix (Posi-Shell) is a blend of clay binders, fibers and polymers manufactured by LSC Environmental Products, LLC. The material specification sheet is provided in Appendix IVF-B. The product is deployed as a hydromulch by a hydroseeder.
- Quick Cover Alternate Daily Cover – Quick Cover Alternate Daily Cover (Quick Cover) is a blend of cellulose fiber mulch and binding agent manufactured by Central Fiber. The material specification sheet is provided in Appendix IVF-B. The product is deployed as a hydromulch by a hydroseeder.

2.2 Chemical Characteristics

The requirements for acceptance of petroleum contaminated soils based on constituent limits are included in §330.165(d)(4); these soils will meet the following TCEQ requirements for alternative daily cover material:

1. The constituents of concern for the petroleum contaminated soil will not exceed the concentrations listed in Table 1 – Constituents of Concern and Their Maximum Leachable Concentrations, located in 30 TAC §335.521(a)(1).
2. The petroleum contaminated soil will not contain polychlorinated biphenyl wastes that are subject to the disposal requirements in 40 CFR Part 761.
3. The petroleum contaminated soil will not contain total petroleum hydrocarbons in concentrations greater than 1,500 milligrams per kilogram.

The chemical characteristics of the Posi-Shell Base Mix and Quick Cover Alternate Daily Cover are found in Appendix IVF-B.

In accordance with §330.165(d)(5), ADC materials must not exceed constituent limitations imposed on waste authorized to be disposed of at the Skyline Landfill.

2.3 Effectiveness

In accordance with §330.165(d)(1)(B), the ADC materials to be used at the Skyline Landfill have proven to be effective on vectors, fires, odors, and windblown litter and waste. The materials identified for use as ADC materials have been used at the facility. Material effectiveness will be included in the status report(s) as required by §330.165(d)(2) and Section 4 of this ADCOP.

Petroleum contaminated soils provide the same effective control as clean soil ensuring protection from vectors, fires, odors, and windblown litter and waste. No petroleum contaminated soils will be used if they exceed the constituent limits in §330.165(d)(4) or if they would create nuisance odors.

3 OPERATIONAL METHODS

This section discusses the operational procedures that will be used to employ the proposed ADC materials. For each type of ADC, landfill personnel will verify that the waste fill area has been covered with the minimum required thickness at the completion of each working day.

Contaminated Soils

- Contaminated soil may be stockpiled near the working face and spread over waste with a dozer or similar equipment to a minimum thickness of 6 inches. Clean soil may be added as necessary to obtain the appropriate thickness.
- The contaminated soil will be placed in one lift, with a minimum thickness of 6 inches, and placed consistent with procedures for placement of daily cover in accordance with Part IV – SOP, Section 8.18.2 – Daily Cover.
- The contaminated soil will be used as alternative daily cover within fifteen days of receipt. The contaminated soil will be located within the working face run-off control berms that provide for control of contaminated water and discharge of soils.
- Surface water that comes into contact with the contaminated soil will be treated as contaminated water and disposed of in accordance with Part III, Attachment D6, Section 3.

Posi-Shell material will be deployed as follows:

- The slurry will be sprayed over the active working face by a hydroseeder.
- The slurry will be applied at a thickness so that no waste is visible following its application.

Quick Cover material will be deployed as follows:

- The slurry will be sprayed over the active working face by a hydroseeder.
- The slurry will be applied at a thickness so that no waste is visible following its application.

4 ADC VERIFICATION AND INSPECTION PROCEDURES

At the end of each working day, landfill personnel will inspect the working face to verify that the minimum thickness of an approved ADC has been placed over the exposed wastes in accordance with this ADCOP. Landfill personnel will routinely assess the effectiveness of each ADC in controlling vectors, fires, odors, and windblown waste. Daily application of ADC will be documented and maintained in the site operating record.

In the event that the ADC does not control vectors, fires, odors, or windblown waste, the ADC application process will be re-evaluated to ensure that the ADC materials adequately cover the working face and serve their intended purpose. Any required changes to the ADC operational procedures will be documented in the site operating record.

Skyline Landfill may request temporary authorization to use additional types of alternative daily cover material in accordance with §305.62(k)(1)(A). A status report on the additional alternative daily cover materials will be submitted on a two-month basis during the temporary authorization period describing the effectiveness of the alternative material in accordance with §330.165(d)(2). If no unresolved problems have occurred within the temporary authorization period, status reports may no longer be required.

SKYLINE LANDFILL
APPENDIX IVF-A
ALTERNATIVE DAILY COVER APPROVAL —
CONTAMINATED SOILS

~~Technically Complete April 2, 2015~~

SKYLINE LANDFILL

APPENDIX IVF-B

**ALTERNATIVE DAILY COVER – POSI-SHELL BASE MIX AND
QUICK COVER ALTERNATE DAILY COVER**

MATERIALS



MATERIAL SAFETY DATA SHEET

Date of Preparation: November, 2012

SECTION 1 — IDENTIFICATION

Supplier: LSC Environmental Products, LLC
2183 Pennsylvania Ave
Apalachin, NY 13732

Emergency Telephone: 800-800-7671 (LSC Environmental Products, LLC)
Product/Trade Name: **Posi-Shell Base Mix**
Chemical Name: SODIUM MONTMORILLONITE CLAY WITH ADDITIVES, POLYESTER
FIBERS AND BROWN FERROUS OXIDE COLOR
Generic Name: SMC with proprietary additives, Polyester Fibers and Brown Color

SECTION 2 — HAZARD(S) IDENTIFICATION

POTENTIAL HEALTH EFFECTS (See Section 11 for toxicological data.)

EYE: Mechanical irritant.

SKIN: Possible drying resulting in dermatitis.

INGESTION: No adverse effects.

INHALATION: *Acute* (short term) exposure to dust levels exceeding the PEL may cause irritation of respiratory tract resulting in a dry cough. *Chronic* (long term) exposure to airborne SMC dust containing respirable size ($\approx 10\mu$) quarter particles, where respirable quartz particle levels are higher than TLVs, may lead to development of silicosis or other respiratory problems. Persistent dry cough and labored breathing upon exertion may be symptomatic.

CARCINOGENICITY: SMC is not listed by ACGIH, IARC, NTP, or OSHA. IARC, 1997, concludes that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica from occupational sources (IARC Class 1), that carcinogenicity was not detected in all industrial circumstances studied and that carcinogenicity may depend on characteristics of the crystalline silica or on external factors affecting its biological activity. NTP classifies respirable crystalline silica as "known to be a human carcinogen" (NTP 9th Report on Carcinogens - 2000). ACGIH classifies crystalline silica quartz as a suspected human carcinogen (A2).

NOTE: Polyester Staple is a family of fiber products having similar hazard and physical property characteristics. The polymer immobilizes the constituents of the polymer system (delusterants, catalyst residues, etc.) which, therefore, present no likelihood of exposure under normal conditions of processing and handling.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Composition / Information on Ingredients

Sodium Montmorillonite Clay with Additives	CAS# 1318-93-0
Crystalline Silica (SiO ₂) as Quartz	CAS# 14808-60-7
Polyethylene terephthalate polymer and one or more surface finishes (organic lubricants) – Polyester Staple	CAS#25038-59-9
Brown Ferrous Oxide	CAS#1309-37-1

SECTION 4 — FIRST AID MEASURES

Page 2

EYE: Flush eyes with plenty of water until irritation ceases.

SKIN: Wash with soap and water until clean.

INHALATION: Move to area free from dust. If symptoms of irritation persist, contact physician. Inhalation may aggravate existing respiratory illness.

SECTION 5 — FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: Not applicable.

SPECIAL FIRE FIGHTING PROCEDURES: Not applicable.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Product will not support combustion.

FLAMMABILITY LIMITS

LEL: Not applicable.

UEL: Not applicable.

HAZARDOUS COMBUSTION PRODUCTS: During a fire, smoke may contain the original material in addition to unidentified toxic and / or irritating compounds. Hazardous combustion products may include and are not limited to carbon monoxide, carbon dioxide.

OTHER FLAMMABILITY INFORMATION: Polyester fibers will burn if exposed to flame. Decomposition products generated from molten polymer may be subject to autoignition. Combustion products will be comprised of carbon, hydrogen, and oxygen. The exact composition will depend on the conditions of combustion

EXTINGUISHING MEDIA: None for product. Any media can be used for the packaging. Product becomes slippery when wet.

FIRE FIGHTING INSTRUCTIONS: Keep people away. Isolate fire area and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone. Hand held carbon dioxide or dry chemical hazard may result from forceful application of fire extinguishing agents.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, pants, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance. Fire fighters should protect themselves from decomposition and combustion products that may include carbon monoxide and other toxic gases.

SECTION 6 — ACCIDENTAL RELEASE MEASURES (See Section 15 for Regulatory Information)

PROTECT PEOPLE: Avoid breathing dust; wear respirator approved for silica bearing dust. Material becomes slippery when wet.

CLEANUP: Vacuum up to avoid generating airborne dust. Avoid using water.

SECTION 7 — HANDLING AND STORAGE

Page 3

HANDLING: Use NIOSH/MSHA respirators approved for silica bearing dust when free silica containing airborne SMC dust levels exceed PEL/TLVs. Clean up spills promptly to avoid making dust. Storage area floors may become slippery if wetted. Personal hygiene measures, such as washing hands and face immediately after working with the fibers and before eating, smoking, or using lavatory facilities, are recommended.

STORAGE: Store in a dry place. Store below 90 F (32 C).

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Mechanical, general room ventilation. Use local ventilation to maintain PELs/TLVs.

PERSONAL PROTECTIVE EQUIPMENT

EYE / FACE PROTECTION: Generally not necessary. Personal preference.

SKIN PROTECTION: Generally not necessary. Personal preference.

RESPIRATORY PROTECTION: Use respirators approved by NIOSH/MSHA for silica bearing dust.

EXPOSURE GUIDELINES:

Permissible Exposure Limits (for air contaminants):

	<u>OSHA PEL</u> <u>(8 hr. TWA)</u>	<u>ACGIH TVL</u>
SMC as "Particulates not otherwise regulated" (formerly nuisance dust)		
Total Dust	15 mg/m ³	N/D
Respirable Dust	5 mg/m ³	N/D
Crystalline Quartz (respirable)	0.1 mg/m ³	0.1 mg/m ³
Iron Oxide	Not Est.	Not Est.

Inhalation of finish mist above the recommended 3 mg/m³ 8-hour TWA would be an exposure of concern.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F):	N/A
Vapor Pressure (mm. Hg):	N/A
Vapor Density (Air=1):	N/A
Solubility in Water:	Insoluble, forms colloidal suspension
Density (at 20° C):	55 lbs/cu ft as product
Specific Gravity (H2O=1):	2.45-2.55
Melting Point:	Approx. 1450° C
Evaporation Rate (Butyl Acetate=1):	N/A
pH:	8-10 (5% aqueous suspension)

SECTION 10 — STABILITY AND REACTIVITY

CHEMICAL STABILITY: Polyethylene terephthalate is chemically stable and resistant to attack by oils, solvents, weak acids, and weak alkalis. SMC is stable. Ferrous Oxide is stable.

CONDITIONS TO AVOID: None.

Page 4

HAZARDOUS DECOMPOSITION PRODUCTS: None.

HAZARDOUS POLYMERIZATION: None.

INCOMPATIBILITY WITH OTHER MATERIALS: None.

SECTION 11 — TOXICOLOGICAL INFORMATION

(See Section 3 for Potential Health Effects. For detailed toxicological data, write or call the address or non-emergency number shown in Section 1). This product has not been fully evaluated for toxicological properties. Preliminary evaluation of chemical components used in the finish and toxicological testing of the ingredients have given no indication that health problems would occur in normal handling and use.

SECTION 12 — ECOLOGICAL INFORMATION

(For detailed Ecological data, write or call the address or non-emergency number shown in Section 1)

ECOTOXICITY: Not expected to be acutely toxic.

SECTION 13 — DISPOSAL CONSIDERATIONS

(See Section 15 for Regulatory Information)

DISPOSAL: Product should be disposed of in accordance with applicable local, state, and federal regulations.

SECTION 14 — TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (D.O.T.): This product is not regulated by D.O.T. when shipped domestically by land.

CANADIAN TDG INFORMATION: For TDG regulatory information, if required, consult transportation regulations, product shipping papers.

SECTION 15 — REGULATORY INFORMATION

(Not meant to be all-inclusive—selected regulations represented)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

U.S. REGULATIONS

These products are not classified as hazardous wastes under the Resource Conservation and Recovery Act, and unless prohibited by state or local regulation, can be disposed of in a municipal landfill or incinerated. Any finish oils contained in plant wastewater should be biodegradable in conventional biological wastewater treatment systems.

SECTION 16 — OTHER INFORMATION

Page 5

MSDS STATUS: Revised to 16 Section format.

All information presented herein is believed to be accurate; however, it is the user's responsibility to determine in advance of need that the information is current and suitable for their circumstances.

No warranty or guarantee, expressed or implied, is made by LSC Environmental Products, LLC as to this information or as to the safety, toxicity, or effect of the use of this product.



Safety Data Sheet – SDS

Product Type: Cellulose Fiber Hydraulic Mulch with Tackifer
Revision Date: July 2015

1. Identification and Product Identification

Product Name: Quick Cover Alternate Daily Cover
Company Name: Space Savers, Inc.
136 Pecan Street
Keller, TX 76248
Emergence Contact: 817.337.0112
Recommended Use: Hydraulic Mulch used as alternate daily cover for landfills
Restrictions: None known

Manufactured By: Central Fiber
4814 Fiber Lane
Wellsville, KS 66092

2. Hazardous Identification

WARNING! MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR (DURING PROCESSING).
CAUSES EYE IRRITATION (AT HIGH CONCENTRATIONS).

PRECAUTIONS: Wear protective gloves / protective clothing / eye protection / face protection. Avoid generating dust. Keep away from heat, sparks, open flames, and hot surfaces. No Smoking.

3. Composition, Information on Ingredients

CAS NUMBER	NAME	PERCENT
9004-34-6	Cellulose Fiber	81-89%
7732-18-5	Water	9-15%
Proprietary	Polysaccharide Tackifier	1%
41272-40-6 or 3844-45-9	Green Dye or Blue Dye	<0.1%

4. First-Aid Measures

Inhalation: Avoid breathing dust. Remove to fresh air. No acute hazard known.
Eye contact: Flush eyes with copious amount of water. No acute hazard known.
Skin contact: Wash exposed skin with soap and water. No acute hazard known.
Ingestion: Call poison control. Do not induce vomiting. No acute hazard known.



Safety Data Sheet – SDS

Product Type:	Cellulose Fiber Hydraulic Mulch with Tackifer
Revision Date:	July 2015

9. Physical and Chemical Properties

Flash Point:	Not Applicable
Boiling Point (F):	Not Applicable
Vapor Pressure (mm Hg):	Not Applicable
Vapor Density:	Not Applicable
Solubility in Water:	Insoluble, Dispersible
Bulk Density (packaged product):	16-18lb/ft ³
Reactivity in Water:	Dispersible
Melting Point:	Not Applicable
Appearance & Odor:	Fibrous material, green or blue-green in color. No discernible odor.
LEL/UEL:	No data available

10. Stability & Reactivity

Stability:	Stable
Conditions to Avoid:	Avoid extreme heat and flame
Hazardous Decomposition:	May produce carbon monoxide and carbon dioxide
Hazardous Polymerization:	Will not occur

11. Toxicological Information

Component*	LD50 Oral	LD50 Dermal	LC50 Inhales (dust)
Cellulose	Non-toxic	Non-toxic	Non-toxic

*Components not listed are not hazardous substances.

May cause irritation to eye and respiratory system. Persons with respiratory problems should avoid breathing dust. Can cause irritation to mucous membrane and upper respiratory system. Remove to fresh air.

12. Ecological Information

Cellulose fiber slowly biodegrades in water, is not eco-toxic and persists in arid soils (landfills). The green or blue dye used in this product is not believed to be eco-toxic at concentrations found in this product. The polysaccharide tackifier used in this product is biodegradable and is not eco-toxic.



What is Quick Cover?

Quick Cover is a blend of cellulose fiber mulch and a binding agent that form a slurry when mixed with water. The materials the mulch is made from are biodegradable and are not reactive, ignitable, or corrosive.

Quick Cover is easily applied to a landfill working face by spraying with a commercial hydro-seeder or similar equipment. Total mixing and application time takes one person about 60 minutes.

What are the benefits of Quick Cover?

- Easy Application. Just apply and forget about it, no removal necessary!
- Saves airspace and extends landfill life.
- Meets all regulatory requirements for daily landfill covers.

Quick Cover ADC SPECS

- ◇ Cellulose fiber mulch and synthetic takifier
- ◇ Bags are 8x10x27, 50 lbs, and 40 per pallet
- ◇ 880 bags per order
- ◇ Available in Leaf Green or Earth Tone Brown
- ◇ Quick Cover Plus with flame retardant is also available.



Start saving by ordering Quick Cover today!



Order Online or by Phone at Space Savers, Inc:
136 Pecan Street
Keller, TX 76249
817.337.0112
www.spacesaversadc.com



Product Information Sheet

Detailed Material Description

Quick Cover ADC is a blend of cellulose fiber mulch and a binding agent that form a slurry when mixed with water. The mulch is manufactured from recycled fiber stock (mixed papers) and the binding agent is synthetic tackifier. None of the materials are reactive, ignitable or corrosive. Quick Cover is packaged in 50-pound plastic bags, with a nominal bag size of 8" x 10" x 27".

Quick Cover is applied to a landfill working face by spraying with special application equipment similar to a commercial hydro-seeder which is typically pulled by a bulldozer or other landfill equipment. Quick Cover is mixed, at a ratio of approximately one 50-pound bag of Quick Cover to every 100 gallons of water, within the reservoir of the application equipment. The materials are mixed by mechanical agitation until they form a smooth homogenous slurry. The materials stay in suspension after they are mixed allowing a uniform spray application that allows the material to conform to the shape of the underlying waste.

Application Procedures

The following procedures are recommended for the daily application of the Quick Cover ADC:

1. Fill ADC application equipment with water;
2. Add one 50-pound bag of Quick Cover to every 100 gallons of water;
3. Allow the materials to mix until they form a homogeneous slurry, 15 minutes is typically sufficient;
4. Apply the compacted refuse by spraying directly on the working face. Use proper application nozzle to provide consistent coverage. Quick Cover may be sprayed up to 180 feet depending on the type of application equipment used.

Quick Cover dries to form a uniform coating on top of the waste. Drying time is typically 30-minutes to one-hour depending on weather conditions. During windy conditions, the slurry may need to be sprayed from two directions to ensure proper coverage.

Regulatory Compliance

When properly applied, Quick Cover forms a uniform coating that conforms to the shape of the underlying waste and provides the following additional beneficial functions:

- Covers the underlying waste and reduces available breeding sites for flies, mosquitoes and other insects as well as discouraging solid waste from being an attractant to domestic/feral and wild animals;
- Serves as an odor barrier or filter for odors emanating from solid waste;
- Reduces the potential for fires within the landfill; and
- Improves the aesthetics for site users and neighbors.

TEMPORARY AUTHORIZATION APPROVAL LETTERS

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niemann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 2, 2015

Ms. Paula Carboni
Environmental Compliance Manager
Waste Management of Texas, Inc.
1201 North Central St.
Ferris, Texas 75125

Re: Waste Management Skyline Landfill – Ellis County
Municipal Solid Waste (MSW) – Permit No. 42D
Temporary Authorization – Use of Posi-Shell Base Mix and Quick Cover as Alternate
Daily Cover (ADC)
Tracking No. 19629612; RN100542232/CN603572132

Dear Ms. Carboni:

The Texas Commission on Environmental Quality MSW Permits Section reviewed the referenced facility's request dated September 2, 2015, for a temporary authorization to use Posi-Shell Base Mix and Quick Cover as ADC on a trial basis to evaluate their effectiveness as ADC materials. In accordance with Title 30 Texas Administrative Code, §305.62(k), our evaluation indicates that the information presented is sufficient to allow the requested temporary authorization with the conditions established in the enclosed issuance document.

The enclosed copy of the referenced temporary authorization should be maintained in the facility's files. The documentation prepared and submitted to support the temporary authorization request shall be considered as requirements of the permit.

If you have any questions concerning this matter, please contact Mr. Charles Brown at (512) 239-6234. When addressing written correspondence, please use mail code MC 124.

This action is taken under authority delegated by the executive director of the Texas Commission on Environmental Quality.

Sincerely,

A handwritten signature in black ink, appearing to read "Chance Goodin".

Chance Goodin, Manager
Municipal Solid Waste Permits Section
Waste Permits Division

CG/CBB/vkm

cc: Mr. Kenneth J. Welch, P.E., Biggs and Mathews Environmental, Inc., Mansfield
Enclosure

Texas Commission on Environmental Quality



Temporary Authorization Municipal Solid Waste Permit No. 42D Waste Management Skyline Landfill

Municipal Solid Waste (MSW) Permit No. 42D is hereby authorized as follows:

Description of Temporary Authorization:

Waste Management Skyline Landfill, MSW Permit No. 42D is hereby authorized to use the following materials on a trial basis to evaluate their effectiveness as an alternative daily cover (ADC), subject to the following conditions.

1. The permittee shall contact the Texas Commission on Environmental Quality Region 4 office at least ten days prior to the use of ADC materials and on a regular basis thereafter, ~~to allow inspection and monitoring of the performance of the ADC materials during this trial period.~~
2. Types of ADC materials to be used during this trial period shall be limited to the following:
 - Posi-Shell Base Mix (Posi-Shell) manufactured by LSC Environmental Products, LLC.
 - Quick Cover Alternate Daily Cover (Quick Cover) manufactured by Central Fiber.
3. The ADC material must be prepared as specified by the manufacturer, and applied from at least two different directions or as prescribed by the manufacturer, whichever yields better coverage, to achieve an overall thickness of not less than 0.25 inches over the exposed waste.
4. Storm water runoff from areas that have been covered with contaminated soil ADC and from contaminated soil ADC stockpiles shall be controlled and managed as contaminated water.
5. The use of ADC materials is limited to a 24-hour period after which either waste or daily cover as defined in Title 30 Texas Administrative Code (30 TAC), §330.165(a) must be placed.
6. The trial period shall begin 15 days after the date this temporary authorization is issued, unless an alternate start date was requested in writing by the permittee and approved as part of this temporary authorization.

7. The ADC trial period should include all seasons of the year; therefore, as the facility nears the end of the initial trial period, an extension may be requested. Each ADC material listed in this temporary authorization may be used for not more than 180 days following initiation of the trial period, and for an additional trial period not to exceed 180 days upon approval of a one-time extension. This temporary authorization for the first trial period will expire 180 days after the initiation of the trial period.
8. If after a one year trial period, the ADC materials prove to be effective as daily cover in accordance with 30 TAC §330.165(d), the facility may request to incorporate the materials as an option in the permit by an amendment in accordance with 30 TAC §305.62, or a modification with notice in accordance with 30 TAC §305.70(k)(1).
9. In accordance with 30 TAC §330.165(d)(2), written status reports for each ADC material shall be submitted on a two-month basis to the executive director during the trial period. The reports shall include usage logs listing the days the ADC was used at the site, and shall contain information describing the effectiveness of the ADC material, any problems that may have occurred, and corrective action required as a result of such problems. If an ADC material is not utilized during each two month period, the status report should also discuss this fact.

The details of this temporary authorization are contained in the request dated September 2, 2014, and shall be considered as requirements of the permit.

Approved, Issued and Effective in accordance with 30 TAC §305.62(k), for 180 days.

Issued Date: October 2, 2015


For the Commission

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 8, 2016

Ms. Paula Carboni
Environmental Compliance Manager
Skyline Landfill
Waste Management of Texas, Inc.
1201 North Central Street
Ferris, Texas 75125-2101

Re: Skyline Landfill – Dallas and Ellis Counties
Waste Management Municipal Solid Waste – Permit No. 42D
Temporary Authorization – Alternative Daily Cover – Extension of Trial Period for
Posi-Shell Base Mix and Quick Cover
Tracking No. 20393988; RN100542232/CN603572132

Dear Ms. Carboni:

We have reviewed your request dated March 21, 2016, for reissuance of the temporary authorization first issued October 2, 2015, for the trial use of *Posi-Shell Base Mix* and *Quick Cover* spray-on alternative daily cover materials. The request was submitted on your behalf by Mr. Kenneth J. Welch, P.E., of Biggs and Mathews Environmental, Inc., Mansfield, Texas. Our evaluation indicates that the information presented is sufficient for a one-time extension of the temporary authorization for a term not to exceed 180 days in accordance with Title 30 Texas Administrative Code, §305.62(k), with the conditions established in the enclosed issuance document.

The reissued temporary authorization should be maintained in the facility's files. The documentation prepared and submitted to support the temporary authorization request shall be considered as requirements of the permit.

If you have any questions concerning this matter, please contact Mr. Arten Avakian at (512) 239-4419. When addressing written correspondence, please use mail code MC 124.

This action is taken under authority delegated by the executive director of the Texas Commission on Environmental Quality.

Sincerely,

A handwritten signature in black ink, appearing to read "cgm".

Chance Goodin, Manager
Municipal Solid Waste Permits Section
Waste Permits Division

CG/AJA/cgm

Enclosure

cc: Mr. Kenneth J. Welch, P.E., Biggs and Mathews Environmental, Inc., Mansfield

Texas Commission on Environmental Quality



Temporary Authorization Municipal Solid Waste Permit No. 42D Waste Management Skyline Landfill

Municipal Solid Waste (MSW) Permit No. 42D is hereby authorized as follows:

Description of Temporary Authorization:

Waste Management Skyline Landfill, MSW Permit No. 42D is hereby authorized to use the following materials on a trial basis to evaluate their effectiveness as an alternative daily cover (ADC), subject to the following conditions.

1. The permittee shall contact the Texas Commission on Environmental Quality Region 4 office at least ten days prior to the use of ADC materials and on a regular basis thereafter, to allow inspection and monitoring of the performance of the ADC materials during this trial period.
2. Types of ADC materials to be used during this trial period shall be limited to the following:
 - Posi-Shell Base Mix (Posi-Shell) manufactured by LSC Environmental Products, LLC.
 - Quick Cover Alternate Daily Cover (Quick Cover) manufactured by Central Fiber.
3. The ADC material must be prepared as specified by the manufacturer, and applied from at least two different directions or as prescribed by the manufacturer, whichever yields better coverage, to achieve an overall thickness of not less than 0.25 inches over the exposed waste.
4. Storm water runoff from areas that have been covered with contaminated soil ADC and from contaminated soil ADC stockpiles shall be controlled and managed as contaminated water.
5. The use of ADC materials is limited to a 24-hour period after which either waste or daily cover as defined in Title 30 Texas Administrative Code (30 TAC), §330.165(a) must be placed.
6. The trial period shall begin 15 days after the date this temporary authorization is issued, unless an alternate start date was requested in writing by the permittee and approved as part of this temporary authorization.

7. The ADC trial period should include all seasons of the year; therefore, as the facility nears the end of the initial trial period, an extension may be requested. Each ADC material listed in this temporary authorization may be used for not more than 180 days following initiation of the trial period, and for an additional trial period not to exceed 180 days upon approval of a one-time extension. This temporary authorization for the first trial period will expire 180 days after the initiation of the trial period.
8. If after a one year trial period, the ADC materials prove to be effective as daily cover in accordance with 30 TAC §330.165(d), the facility may request to incorporate the materials as an option in the permit by an amendment in accordance with 30 TAC §305.62, or a modification with notice in accordance with 30 TAC §305.70(k)(1).
9. In accordance with 30 TAC §330.165(d)(2), written status reports for each ADC material shall be submitted on a two-month basis to the executive director during the trial period. The reports shall include usage logs listing the days the ADC was used at the site, and shall contain information describing the effectiveness of the ADC material, any problems that may have occurred, and corrective action required as a result of such problems. If an ADC material is not utilized during each two month period, the status report should also discuss this fact.

The details of this temporary authorization are contained in the request dated September 2, 2014, and shall be considered as requirements of the permit.

Approved, Issued and Effective in accordance with 30 TAC §305.62(k), for 180 days.

Issued Date: April 8, 2016


For the Commission

OBSERVATION REPORTS



SKYLINE LANDFILL
1201 North Central Ave.
Ferris, Texas

DECEMBER 21, 2015

Chance Goodin
MSW Section MC 124
TCEQ
12100 Park 35 Circle Building F
Austin, Texas 78753

RE: WM Skyline Landfill, MSW Permit No. 0042D, Dallas and Ellis Counties
ADC Written Status Report

Dear Mr. Goodin:

As per the approved Temporary Authorization for use of Posi-Shell Base Mix and Quick Cover as Alternate Daily Cover (ADC) item 9 approved October 2, 2015, WM Skyline Landfill is submitting its first two-month written status report. This report covers the period of October 1, 2015 to November 30, 2015. During this period, did not utilize the ADC material.

The next reporting period is December 1, 2015 to January 31, 2016 with the report being submitted by February 28, 2016. As per item 1 of the TA, the TCEQ Region 4 was notified and a site visit is set up for January 6, 2016. The inspection is to monitor the first application of the ADC with a return visit to see the results. During this site visit, it will be discussed how often WM needs to notify the region to comply with item 1 of the TA. As per item 6 of the TA, the trial period is beginning 15 days after the TA was issued.

If you have any questions, please contact me at 972-842-5881.

Sincerely,

Paula Carboni
Area Environmental Manager
WM Texoma Area

cc: Site Operating Records
TCEQ Region 4



SKYLINE LANDFILL
1201 North Central Ave.
Ferris, Texas

FEBRUARY 16, 2016

Chance Goodin
MSW Section MC 124
TCEQ
12100 Park 35 Circle Building F
Austin, Texas 78753

RE: WM Skyline Landfill, MSW Permit No. 0042D, Dallas and Ellis Counties
ADDC Written Status Report

Dear Mr. Goodin:

As per the approved Temporary Authorization for the use of Posi-Shell Base Mix and Quick Cover as Alternate Daily Cover (ADC) item 9 approved October 2, 2015, WM Skyline Landfill is submitting the second two-month written status report. This report covers the period of December 1, 2015 to January 31, 2016. During this period, the Quick Cover was used as ADC and the status report is attached.

The next reporting period is February 1, 2016 to March 31, 2016 with the report being submitted by April 30, 2016. The Temporary Authorization expires on April 29, 2016. As per item 7 of the approved TA, WM will be asking for an extension prior to the next report being submitted.

As per item 1 of the TA, the TCEQ Region 4 was onsite the afternoon of January 14, 2016 and morning of January 15, 2016 to monitor the first application of the Quick Cover ADC. WM plans to start using the Posi-Shell ADC the first week of March 2016 and the TCEQ Region 4 will again be onsite to monitor the first application.

If you have any questions, please contact me at 972-842-5881.

Sincerely,

Paula Carboni
Area Environmental Manager
Waste Management Texas-Oklahoma Area

cc: Site Operating Records
TCEQ Region 4

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

DATE	TYPE ADC USED	AMOUNT USED	EFFECTIVE Yes or No	PROBLEMS OCCUR DURING APPLICATION	CORRECTIVE ACTION TAKEN	ADDITIONAL COMMENTS
1/18/2016	Quick Cover	10 bags	Yes	Application went on good even with small amount of wind.	NA	NA
1/19/2016	Quick Cover	10 bags	No	Could not get trailer that application machine on through the trash with tractor. Had to cover some of the area with dirt.	Putting hitch on dozer to pull the trailer.	NA
1/20/2016	Quick Cover	10 bags	Yes	No	NA	Dozer pulling the trailer corrected the issue from 1/19/16.
1/21/2016	Quick Cover	30 bags	Yes	No	NA	NA
1/22/2016	Quick Cover	10 bags	Yes	Lighting was not good so took longer to cover.	Move light plants over to area to have better lighting.	NA
1/25/2016	Quick Cover	10 bags	Yes	No	NA	NA
1/26/2016	Quick Cover	10 bags	Yes	No	NA	NA
1/27/2016	Quick Cover	10 bags	Yes	No	NA	NA
1/28/2016	Quick Cover	10 bags	Yes	No	NA	NA
1/29/2016	Quick Cover	10 bags	Yes	No	NA	NA

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 10, 2016

Ms. Paula Carboni
Area Environmental Manager
Waste Management Texas-Oklahoma Area
Waste Management of Texas, Inc.
P.O. Box 400
Ferris, Texas 75125-0400

Re: Skyline Landfill – Dallas and Ellis Counties
Municipal Solid Waste – Permit No. 42D
Alternative Daily Cover Status Report – Second Two-Month Reporting Period
Tracking No. 20292710; RN100542232/CN603572132

Dear Ms. Carboni:

We received a status report covering the second two months of a trial period for using spray-on alternative daily cover (ADC) at the referenced facility. The trial period was authorized in a temporary authorization (TA) issued October 2, 2015, for the trial use of *Posi-Shell Base Mix* and *Quick Cover* spray-on ADC materials. The status report was provided in your letter dated February 16, 2016, with attached table, in accordance with Title 30 Texas Administrative Code, Chapter 330, Section 330.165(d)(2), and with the provisions of the TA.

Thank you for the submission. The report indicates that *Quick Cover* was used for the first time on January 14, 2016, and was used 10 more days in January of 2016. The report indicates that *Quick Cover* was not effective when applied during windy conditions, but was effective when applied when winds were gentler or calm. The report also indicated that the equipment used to apply the ADC could not be pulled by a tractor over the area to be covered, and that the problem was overcome by pulling it with a bulldozer instead. Your cover letter further indicated that *Posi-Shell* ADC has not yet been tried, and that you anticipate you will start using it during the first week of March 2016.

We have added the ADC status report to our files for this facility, and will look forward to receiving additional reports for the remainder of the trial period. In the meantime, if you have any questions concerning this matter, please contact me at (512) 239-4419. When addressing written correspondence, please use mail code MC 124.

Sincerely,

A handwritten signature in blue ink, appearing to read "Arten J. Avakian".

Arten J. Avakian, Project Manager
Municipal Solid Waste Permits Section
Waste Permits Division

AJA/cgm

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • tceq.texas.gov

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IVF-B-22



SKYLINE LANDFILL
1201 North Central Ave.
Ferris, Texas

APRIL 20, 2016

Chance Goodin
MSW Section MC 124
TCEQ
12100 Park 35 Circle Building F
Austin, Texas 78753

RE: WM Skyline Landfill, MSW Permit No. 0042D, Dallas and Ellis Counties
ADC Written Status Report

Dear Mr. Goodin:

As per the approved Temporary Authorization for the use of Posi-Shell Base Mix and Quick Cover as Alternate Daily Cover (ADC) item 9 approved October 2, 2015, WM Skyline Landfill is submitting the third two-month written status report. This report covers the period of February 1 to March 31, 2016. During this period, the Quick Cover and Posi-Shell was used as ADC and the status report is attached.

The next reporting period is April 1 to May 31, 2016 with the report being submitted by June 30, 2016.

The Temporary Authorization expires on April 29, 2016. As per item 7 of the approved TA, WM has asked and received an extension, which expires October 5, 2016.

As per item 1 of the TA, the TCEQ Region 4 was onsite the afternoon of March 28, 2016 and morning of March 29, 2016 to monitor the first application of the Posi-Shell ADC. WM plans to start using the Posi-Shell ADC the first week of March 2016 and the TCEQ Region 4 will again be onsite to monitor the first application.

If you have any questions, please contact me at 972-842-5881.

Sincerely,

Paula Carboni
Area Environmental Manager
Waste Management Texas-Oklahoma Area

cc: Site Operating Records
TCEQ Region 4

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

DATE	TYPE ADC USED	AMOUNT USED	EFFECTIVE Yes or No	PROBLEMS OCCUR DURING APPLICATION	CORRECTIVE ACTION TAKEN	ADDITIONAL COMMENTS
2/2/2016	Quick Cover	10 bags	Yes	No	NA	Slight wind but no issues
2/3/2016	Quick Cover	10 bags	Yes	Had to respray mattress	NA	NA
2/4/2016	Quick Cover	10 bags	Yes	No	NA	Had to use dirt on top and some or the side
2/5/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/8/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/9/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/10/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/11/2016	Quick Cover	10 bags	Yes	Had to respray mattress	NA	NA
2/12/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/15/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/16/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/17/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/18/2016	Quick Cover	10 bags	Yes	No	NA	NA

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

2/19/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/22/2016	Quick Cover	20 bags	Yes	No	NA	Used More because wet
2/23/2016	Quick Cover	20 bags	Yes	No	NA	Used More because wet
2/24/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/25/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/26/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/29/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/1/2016	Quick Cover	10 bags	Yes	No	NA	Slight wind but no issues
3/2/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/3/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/4/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/7/2016	Quick Cover	10 bags	Yes	No	NA	Medium wind but no issues
3/8/2016	Quick Cover	20 bags	Yes	No	NA	Larger Area
3/10/2016	Quick Cover	20 bags	Yes	No	NA	Larger Area
3/11/2016	Quick Cover	20 bags	Yes	No	NA	Larger Area
3/14/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/15/2016	Quick Cover	20 bags	Yes	No	NA	Larger Area
3/16/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/17/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/18/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/21/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/22/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/23/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/24/2016	Quick Cover	20 bags	Yes	No	NA	NA
3/25/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/28/2016	Posi-Shell	10 bags	Yes	No	NA	TCEQ Region 4 onsite to observe the application of Posi-Shell since first time use. Came back on 3/29/16 in morning to see how the cover looked the next morning.

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

3/29/2016	Posi-Shell	10 bags	Yes	No	NA	NA
3/30/2016	Posi-Shell	10 bags	Yes	No	NA	NA
3/31/2016	Posi-Shell	10 bags	Yes	No	NA	NA

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niemann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 4, 2016

Ms. Paula Carboni
Environmental Compliance Manager
Skyline Landfill
Waste Management of Texas, Inc.
1201 North Central Street
Ferris, Texas 75125-2101

Re: Skyline Landfill - Dallas and Ellis Counties
Municipal Solid Waste - Permit No. 42D
Alternative Daily Cover Status Report - Third Two-Month Reporting Period
Tracking No. 20444405; RN100542232/CN603572132


Dear Ms. Carboni:

We received a status report covering the third two months of a trial period for using spray-on alternative daily cover (ADC) at the referenced facility. The trial period was authorized in a temporary authorization (TA) issued October 2, 2015, for the trial use of *Posi-Shell Base Mix* and *Quick Cover* spray-on ADC materials. The status report was provided in your letter dated April 20, 2016, with attached table, in accordance with Title 30 Texas Administrative Code, Chapter 330, Section 330.165(d)(2), and with the provisions of the TA.

Thank you for the submission. The report indicated that *Quick Cover* was used on 39 days during the two-month period, from February 1 through March 25, 2016, and that it was effective, though on several occasions a large item (mattress) needed additional spraying to cover. The report also indicated that *Posi-Shell* ADC was used beginning March 28 (first use) through March 31, 2016, and that it was effective and that no problems were encountered.

We have added the ADC status report to our files for this facility. If you have any questions concerning this matter, please contact me at (512) 239-4419. When addressing written correspondence, please use mail code MC 124.

Sincerely,


Arten J. Avakian, Project Manager
Municipal Solid Waste Permits Section
Waste Permits Division

AJA/cgm



SKYLINE LANDFILL
1201 North Central Ave.
Ferris, Texas

JUNE 2, 2016

Chance Goodin
MSW Section MC 124
TCEQ
12100 Park 35 Circle Building F
Austin, Texas 78753

RE: WM Skyline Landfill, MSW Permit No. 0042D, Dallas and Ellis Counties
ADC Written Status Report

Dear Mr. Goodin:

As per the approved Temporary Authorization for the use of Posi-Shell Base Mix and Quick Cover as Alternate Daily Cover (ADC) item 9 approved October 2, 2015, WM Skyline Landfill is submitting the fourth two-month written status report. This report covers the period of April 1 to May 31, 2016. During this period, the Quick Cover and Posi-Shell were used as ADC and the status report is attached.

The next reporting period is June 1 to July 31, 2016 with the report being submitted by August 31, 2016.

The Temporary Authorization now expires on October 5, 2016.

If you have any questions, please contact me at 972-842-5881.

Sincerely,

Paula Carboni
Area Environmental Manager
Waste Management Texas-Oklahoma Area

cc: Site Operating Records
TCEQ Region 4

SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT

DATE	TYPE ADC USED	AMOUNT USED	EFFECTIVE Yes or No	PROBLEMS OCCUR DURING APPLICATION	CORRECTIVE ACTION TAKEN	ADDITIONAL COMMENTS
4/4/2016	Quick Cover	10 bags	Yes	No	NA	NA
4/5/2016	Quick Cover	10 bags	Yes	No	NA	NA
4/6/2016	Quick Cover	12 bags	Yes	No	NA	NA
4/7/2016	Quick Cover	12 bags	Yes	No	NA	NA
4/8/2016	Posi-Shell	12 bags	Yes	No	NA	NA
4/11/2016	Posi-Shell	12 bags	Yes	No	NA	1/2" Rain
4/12/2016	Posi-Shell	12 bags	Yes	No	NA	NA
4/13/2016	Posi-Shell	12 bags	Yes	No	NA	1/4" Rain
4/14/2016	Posi-Shell	12 bags	Yes	No	NA	NA
4/18/2016	Posi-Shell	24 bags	Yes	No	NA	Used More because wet
4/19/2016	Posi-Shell	12 bags	Yes	No	NA	1/4" Rain
4/20/2016	Posi-Shell	12 bags	Yes	No	NA	1.5" Rain
4/21/2016	Posi-Shell	12 bags	Yes	No	NA	1" Rain
4/22/2016	Posi-Shell	24 Bags	Yes	No	NA	Used More because wet

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

4/25/2016	Posi-Shell	24 bags	Yes	No	NA	Used More because wet
4/27/2016	Posi-Shell	12 bags	Yes	No	NA	NA
4/28/2016	Posi-Shell	12 bags	Yes	No	NA	NA
4/29/2016	Posi-Shell	12 bags	Yes	No	NA	NA
5/2/2016	Posi-Shell	24 bags	Yes	No	NA	Used More because wet; 1/2" Rain
5/3/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/4/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/5/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/8/2016	Quick Cover	10 bags	Yes	No	NA	1/2" Rain
5/9/2016	Quick Cover	10 bags	Yes	No	NA	1/2" Rain
5/10/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/11/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/12/2016	Quick Cover	10 bags	Yes	No	NA	1" Rain
5/13/2016	Quick Cover	10 bags	Yes	No	NA	1/4" Rain
5/16/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/17/2016	Quick Cover	20 Bags	Yes	No	NA	Both Working Faces
5/18/2016	Quick Cover	20 Bags	Yes	No	NA	Both Working Faces: 1/2" Rain
5/19/2016	Quick Cover	10 bags	Yes	No	NA	1" Rain
5/20/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/20/2016	Posi-Shell	10 bags	Yes	No	NA	NA
5/23/2016	Quick Cover	20 Bags	Yes	No	NA	Both Working Faces
5/24/2016	Quick Cover	20 Bags	Yes	No	NA	Both Working Faces
5/25/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/26/2016	Quick Cover	20 bags	Yes	No	NA	Both Working Faces
5/27/2016	Quick Cover	20 Bags	Yes	No	NA	Both Working Faces: 1.5" Rain
5/31/2016	Quick Cover	10 bags	Yes	No	NA	2.75" Rain

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 15, 2016

Ms. Paula Carboni
Area Environmental Manager
Waste Management Texas-Oklahoma Area
Skyline Landfill
1201 North Central Street
Ferris, Texas 75125-2101

Re: Skyline Landfill - Dallas and Ellis Counties
Municipal Solid Waste - Permit No. 42D
Alternative Daily Cover Status Report - Fourth Two-Month Reporting Period
Tracking No. 20518985; RN100542232/CN603572132

Dear Ms. Carboni:

We received an alternative daily cover (ADC) status report spanning the period from April 1 through May 31, 2016, representing the fourth two months of a trial period for using spray-on ADC at the referenced facility. The trial period was authorized in a temporary authorization (TA) issued October 2, 2015, and reissued April 8, 2016, for the trial use of *Posi-Shell Base Mix* and *Quick Cover* spray-on ADC materials. The status report was provided in your letter dated June 2, 2016, with attached table, in accordance with Title 30 Texas Administrative Code, Chapter 330, §330.165(d)(2), and with the provisions of the TA.

Thank you for the submission. The report indicated that *Quick Cover* was used on 24 days and *Posi-Shell* on 16 days during the two-month period, and that no problems occurred during application. On June 7, 2016, we sent you an email seeking clarifications about which working faces were in operation during the reporting period, and whether ADC was used on May 9 (a Sunday); on June 13 we received your email response. The response clarified which working faces were in operation during the reporting period, and made a correction clarifying that ADC was used on May 9 (a Monday), rather than on May 8 (a Sunday) as indicated in the original report.

We have added the ADC status report to our files for this facility. If you have any questions concerning this matter, please contact me at (512) 239-4419. When addressing written correspondence, please use mail code MC 124.

Sincerely,

A handwritten signature in black ink, appearing to read "Arten J. Avakian".

Arten J. Avakian, Project Manager
Municipal Solid Waste Permits Section
Waste Permits Division

AJA/cgm



WASTE MANAGEMENT

SKYLINE LANDFILL
1201 North Central Ave.
Ferris, Texas

AUGUST 11, 2016

Chance Goodin
MSW Section MC 124
TCEQ
12100 Park 35 Circle Building F
Austin, Texas 78753

RE: WM Skyline Landfill, MSW Permit No. 0042D, Dallas and Ellis Counties
ADC Written Status Report

Dear Mr. Goodin:

As per the approved Temporary Authorization for the use of Posi-Shell Base Mix and Quick Cover as Alternate Daily Cover (ADC) item 9 approved October 2, 2015, WM Skyline Landfill is submitting the fifth two-month written status report. This report covers the period of June 1 to July 31, 2016. During this period, the Quick Cover and Posi-Shell were used as ADC and the status report is attached.

The next reporting period is August 1 to September, 2016 with the report being submitted by October, 2016. This will be the final status report. To cover item 8 of the approved temporary authorization, a modification with the notice in accordance with 30 TAC 305.70(k)(1) will be submitted.

The Temporary Authorization expires on October 5, 2016.

If you have any questions, please contact me at 972-842-5881.

Sincerely,

Paula Carboni
Area Environmental Manager
Waste Management Texas-Okiahoma Area

cc: Site Operating Records
TCEQ Region 4

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

DATE	TYPE	AMOUNT USED	EFFECTIVE		PROBLEMS OCCUR DURING APPLICATION	CORRECTIVE ACTION TAKEN	ADDITIONAL COMMENTS
			Yes	No			
6/1/2016	Quick Cover	20 bags	Yes	No	No	NA	1.5" Rain
6/2/2016	Quick Cover	10 bags	Yes	No	No	NA	1.5" Rain
6/3/2016	Posi-Shell	36 bags	Yes	No	No	NA	Wet from 3" last 2 days
6/6/2016	Quick Cover	10 bags	Yes	No	No	NA	NA
6/7/2016	Quick Cover	10 bags	Yes	No	No	NA	NA
6/8/2016	Quick Cover	12 bags	Yes	No	No	NA	NA
6/9/2016	Posi-Shell	20 bags	Yes	No	No	NA	NA
6/10/2016	Quick Cover	20 bags	Yes	No	No	NA	2.5" Rain
6/13/2016	Quick Cover	10 bags	Yes	No	No	NA	2.5" Rain
6/14/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/15/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/16/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/17/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/20/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/21/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/22/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/23/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/24/2016	Quick Cover	10 bags	Yes	No	No	NA	NA
6/27/2016	Quick Cover	20 bags	Yes	No	No	NA	0.25" Rain
6/28/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/29/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/30/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
7/1/2016	Quick Cover	20 bags	Yes	No	No	NA	1.5" Rain
7/4/2016	Quick Cover	10 bags	Yes	No	No	NA	0.5" Rain
7/5/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
7/6/2016	Quick Cover	10 bags	Yes	No	No	NA	NA
7/7/2016	Quick Cover	10 bags	Yes	No	No	NA	NA
7/8/2016	Quick Cover	10 bags	Yes	No	No	NA	NA
7/11/2016	Quick Cover	10 bags	Yes	No	No	NA	NA

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

7/12/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/14/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/15/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/18/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/19/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/20/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/21/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/22/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/25/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/26/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/27/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/28/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/29/2016	Quick Cover	10 bags	Yes	No	NA	NA

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 18, 2016

Ms. Paula Carboni
Area Environmental Manager
Waste Management Texas-Oklahoma Area
Skyline Landfill
1201 North Central Street
Ferris, Texas 75125-2101

Re: Skyline Landfill - Dallas and Ellis Counties
Municipal Solid Waste - Permit No. 42D
Alternative Daily Cover Status Report - Fifth Two-Month Reporting Period
Tracking No. 20699803; RN100542232/CN603572132

Dear Ms. Carboni:

We received an alternative daily cover (ADC) status report spanning the period from June 1 through July 29, 2016, representing the fifth two months of a trial period for using spray-on ADC at the referenced facility. The trial period was authorized in a temporary authorization (TA) issued October 2, 2015, and reissued April 8, 2016, for the trial use of *Posi-Shell Base Mix* and *Quick Cover* spray-on ADC materials. The status report was provided in your letter dated August 11, 2016, with attached table, in accordance with Title 30 Texas Administrative Code, Chapter 330, §330.165(d)(2), and with the provisions of the TA.

Thank you for the submission. The report indicated that *Quick Cover* was used on 40 days and *Posi-Shell* on 2 days during the two-month period, and that no problems occurred during application.

We have added the ADC status report to our files for this facility. If you have any questions concerning this matter, please contact me at (512) 239-4419. When addressing written correspondence, please use mail code MC 124.

Sincerely,

A handwritten signature in black ink, appearing to read "Arten J. Avakian".

Arten J. Avakian, Project Manager
Municipal Solid Waste Permits Section
Waste Permits Division

AJA/cgm



SKYLINE LANDFILL
1201 North Central Ave.
Ferris, Texas

OCTOBER 3, 2016

Chance Goodin
MSW Section MC 124
TCEQ
12100 Park 35 Circle Building F
Austin, Texas 78753

RE: WM Skyline Landfill, MSW Permit No. 0042D, Dallas and Ellis Counties
ADC Written Status Report

Dear Mr. Goodin:

As per the approved Temporary Authorization for the use of Posi-Shell Base Mix and Quick Cover as Alternate Daily Cover (ADC) item 9 approved October 2, 2015, WM Skyline Landfill is submitting the sixth and final two-month written status report. This report covers the period of August 1 to September 30, 2016. During this period, the Quick Cover and Posi-Shell were used as ADC and the status report is attached.

To cover item 8 of the approved temporary authorization, a modification with the notice in accordance with 30 TAC 305.70(k)(1) will be submitted by October 10, 2016.

The Temporary Authorization expires on October 5, 2016. WM Skyline has ceased using the ADC on September 30, 2016 and will not resume use of ADC until the modification is approved by the agency.

If you have any questions, please contact me at 972-842-5881.

Sincerely,


Paula Carboni
Area Environmental Manager
Waste Management Texas-Oklahoma Area

cc: Site Operating Records
TCEQ Region 4

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

DATE	TYPE		AMOUNT USED	EFFECTIVE		PROBLEMS OCCUR DURING APPLICATION	CORRECTIVE ACTION TAKEN	ADDITIONAL COMMENTS
	ADC USED			Yes or No				
8/1/2016	Quick Cover		10 bags	Yes	No	NA	NA	
8/2/2016	Quick Cover		10 bags	Yes	No	NA	NA	
8/3/2016	Quick Cover		10 bags	Yes	No	NA	NA	
8/4/2016	Quick Cover		10 bags	Yes	No	NA	NA	
8/8/2016	Quick Cover		10 bags	Yes	No	NA	NA	
8/9/2016	Quick Cover		10 bags	Yes	No	NA	NA	
8/10/2016	Quick Cover		10 bags	Yes	No	NA	NA	
8/11/2016	Quick Cover		10 bags	Yes	No	NA	NA	
8/12/2016	Quick Cover		10 bags	Yes	No	NA	NA	
8/15/2016	Quick Cover		20 bags	Yes	No	NA	1" Rain	
8/16/2016	Quick Cover		20 bags	Yes	No	NA	1" Rain	
8/17/2016	Quick Cover		20 bags	Yes	No	NA	0.75" Rain	
8/18/2016	Quick Cover		20 bags	Yes	No	NA	1.5" Rain	
8/19/2016	Quick Cover		30 bags	Yes	No	NA	0.5" Rain	
8/23/2016	Quick Cover		10 bags	Yes	No	NA	Trace Rain	
8/24/2016	Quick Cover		10 bags	Yes	No	NA	NA	
8/25/2016	Quick Cover		20 bags	Yes	No	NA	NA	
8/26/2016	Quick Cover		10 bags	Yes	No	NA	NA	
8/29/2016	Quick Cover		20 bags	Yes	No	NA	NA	
8/30/2016	Quick Cover		10 bags	Yes	No	NA	0.25" Rain	
8/31/2016	Quick Cover		10 bags	Yes	No	NA	NA	
9/1/2016	Quick Cover		10 bags	Yes	No	NA	Trace Rain	
9/2/2016	Quick Cover		10 bags	Yes	No	NA	NA	
9/5/2016	Quick Cover		10 bags	Yes	No	NA	NA	
9/6/2016	Quick Cover		10 bags	Yes	No	NA	NA	
9/7/2016	Quick Cover		10 bags	Yes	No	NA	NA	
9/8/2016	Quick Cover		10 bags	Yes	No	NA	NA	
9/9/2016	Quick Cover		10 bags	Yes	No	NA	NA	
9/12/2016	Quick Cover		10 bags	Yes	No	NA	NA	
9/13/2016	Quick Cover		10 bags	Yes	No	NA	NA	

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

9/14/2016	Quick Cover	10 bags	Yes	No	NA	NA
9/15/2016	Quick Cover	10 bags	Yes	No	NA	Trace Rain
9/16/2016	Quick Cover	10 bags	Yes	No	NA	NA
9/19/2016	Quick Cover	10 bags	Yes	No	NA	NA
9/20/2016	Quick Cover	10 bags	Yes	No	NA	NA
9/21/2016	Quick Cover	20 bags	Yes	No	NA	NA
9/22/2016	Quick Cover	10 bags	Yes	No	NA	NA
9/23/2016	Quick Cover	10 bags	Yes	No	NA	NA
9/26/2016	Posi Shell	20 bags	Yes	No	NA	1" Rain
9/27/2016	Posi Shell	12 Bags	Yes	No	NA	0.5" Rain
9/28/2016	Posi Shell	12 Bags	Yes	No	NA	NA
9/29/2016	Posi Shell	12 Bags	Yes	No	NA	NA
9/30/2016	Posi Shell	12 Bags	Yes	No	NA	NA

ATTACHMENT 3
UNMARKED REVISED PAGES

**SKYLINE LANDFILL
CITY OF FERRIS
DALLAS AND ELLIS COUNTIES, TEXAS
TCEQ PERMIT NO. MSW 42D**

PART IV – SITE OPERATING PLAN

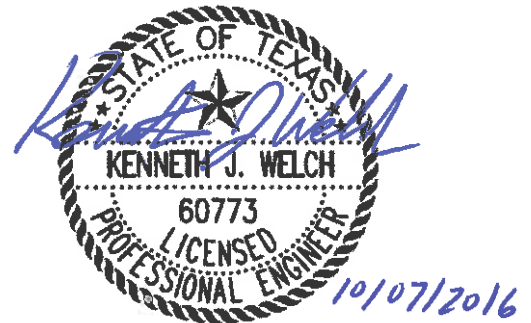
Prepared for

Waste Management of Texas, Inc.

Technically Complete April 2, 2015

Permit Issued June 9, 2015

Revised October 2016



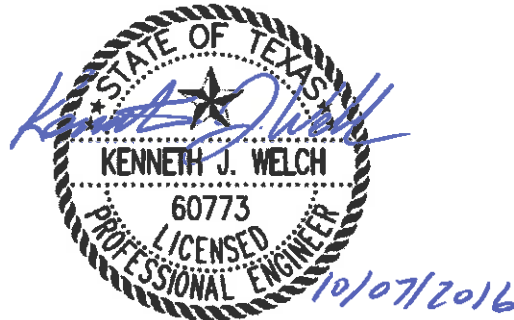
Biggs & Mathews Environmental, Inc.
Firm Registration No. F-256

Prepared by

BIGGS & MATHEWS ENVIRONMENTAL
1700 Robert Road, Suite 100 ♦ Mansfield, Texas 76063 ♦ 817-563-1144

TEXAS BOARD OF PROFESSIONAL ENGINEERS
FIRM REGISTRATION NO. F-256

TEXAS BOARD OF PROFESSIONAL GEOSCIENTISTS
FIRM REGISTRATION NO. 50222



Biggs & Mathews Environmental, Inc.
Firm Registration No. F-256

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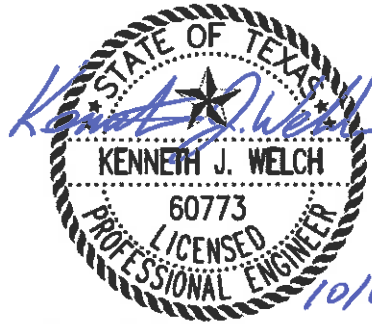
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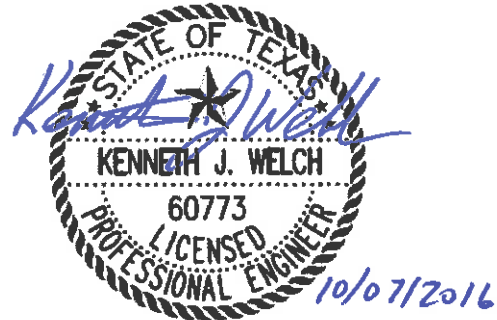
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**SKYLINE LANDFILL
CITY OF FERRIS
DALLAS AND ELLIS COUNTIES, TEXAS
TCEQ PERMIT APPLICATION NO. MSW 42D**

PART IV – SITE OPERATING PLAN

**APPENDIX IVF
ALTERNATIVE DAILY COVER OPERATING PLAN**

Prepared for

Waste Management of Texas, Inc.

Technically Complete April 2, 2015

Permit Issued June 9, 2015

Revised October 2016



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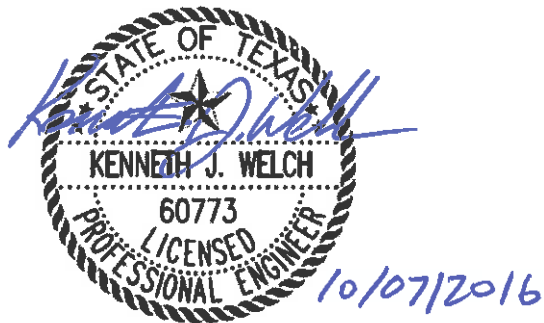
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Alternative Daily Cover Approval – Contaminated Soils

APPENDIX IVF-B

Alternative Daily Cover – Posi-Shell Base Mix and Quick Cover Alternate Daily Cover

1 INTRODUCTION

This Alternative Daily Cover Operating Plan (ADCOP) has been prepared for the Skyline Landfill consistent with §330.165(d)(4)-(5). The purpose of this ADCOP is to address the following issues:

1. Description and thickness of each ADC material
2. Chemical composition of the material and the MSDS(s) for the ADC (if applicable)
3. Operation methods to be utilized at the site when using the ADC
4. Effect of the ADC on vectors, fires, odors, and windblown litter

As specified in Part IV, SOP, Section 8.18.4 – Alternative Material Daily Cover, ADC may be used to cover exposed waste except when the landfill is to be closed for a period of greater than 24 hours (unless otherwise approved by TCEQ). Refer to Appendix IVF-A for TCEQ approval of contaminated soil as alternative daily cover at the Skyline Landfill. Refer to Appendix IVF-B for the material information for Posi-Shell Base Mix and Quick Cover as Alternate Daily Cover including the temporary authorization approval letter and the status reports for each two-month period during the temporary authorization period.

2 MATERIAL CHARACTERISTICS

2.1 Description of ADC Materials

The following types of ADC materials may be used at the Skyline Landfill.

- **Contaminated Soils** – Contaminated soil, which may be petroleum product contaminated soils having a total petroleum hydrocarbon (TPH) concentration of 1,500 ppm or less or are otherwise authorized by the TCEQ for disposal and use as cover material, may be applied as ADC. The contaminated soil to be used as daily cover will only be used after the special waste handling procedures identified in Appendix IVB – Special Waste Acceptance Plan have been conducted. The contaminated soil will be placed to a minimum thickness of 6 inches. Clean daily cover soil may be combined with the contaminated soil if necessary.
- **Posi-Shell Base Mix** – Posi-Shell Base Mix (Posi-Shell) is a blend of clay binders, fibers and polymers manufactured by LSC Environmental Products, LLC. The material specification sheet is provided in Appendix IVF-B. The product is deployed as a hydromulch by a hydroseeder.
- **Quick Cover Alternate Daily Cover** – Quick Cover Alternate Daily Cover (Quick Cover) is a blend of cellulose fiber mulch and binding agent manufactured by Central Fiber. The material specification sheet is provided in Appendix IVF-B. The product is deployed as a hydromulch by a hydroseeder.

2.2 Chemical Characteristics

The requirements for acceptance of petroleum contaminated soils based on constituent limits are included in §330.165(d)(4); these soils will meet the following TCEQ requirements for alternative daily cover material:

1. The constituents of concern for the petroleum contaminated soil will not exceed the concentrations listed in Table 1 – Constituents of Concern and Their Maximum Leachable Concentrations, located in 30 TAC §335.521(a)(1).
2. The petroleum contaminated soil will not contain polychlorinated biphenyl wastes that are subject to the disposal requirements in 40 CFR Part 761.
3. The petroleum contaminated soil will not contain total petroleum hydrocarbons in concentrations greater than 1,500 milligrams per kilogram.

The chemical characteristics of the Posi-Shell Base Mix and Quick Cover Alternate Daily Cover are found in Appendix IVF-B.

In accordance with §330.165(d)(5), ADC materials must not exceed constituent limitations imposed on waste authorized to be disposed of at the Skyline Landfill.

2.3 Effectiveness

In accordance with §330.165(d)(1)(B), the ADC materials to be used at the Skyline Landfill have proven to be effective on vectors, fires, odors, and windblown litter and waste. The materials identified for use as ADC materials have been used at the facility. Material effectiveness will be included in the status report(s) as required by §330.165(d)(2) and Section 4 of this ADCOP.

Petroleum contaminated soils provide the same effective control as clean soil ensuring protection from vectors, fires, odors, and windblown litter and waste. No petroleum contaminated soils will be used if they exceed the constituent limits in §330.165(d)(4) or if they would create nuisance odors.

3 OPERATIONAL METHODS

This section discusses the operational procedures that will be used to employ the proposed ADC materials. For each type of ADC, landfill personnel will verify that the waste fill area has been covered with the minimum required thickness at the completion of each working day.

Contaminated Soils

- Contaminated soil may be stockpiled near the working face and spread over waste with a dozer or similar equipment to a minimum thickness of 6 inches. Clean soil may be added as necessary to obtain the appropriate thickness.
- The contaminated soil will be placed in one lift, with a minimum thickness of 6 inches, and placed consistent with procedures for placement of daily cover in accordance with Part IV – SOP, Section 8.18.2 – Daily Cover.
- The contaminated soil will be used as alternative daily cover within fifteen days of receipt. The contaminated soil will be located within the working face run-off control berms that provide for control of contaminated water and discharge of soils.
- Surface water that comes into contact with the contaminated soil will be treated as contaminated water and disposed of in accordance with Part III, Attachment D6, Section 3.

Posi-Shell material will be deployed as follows:

- The slurry will be sprayed over the active working face by a hydroseeder.
- The slurry will be applied at a thickness so that no waste is visible following its application.

Quick Cover material will be deployed as follows:

- The slurry will be sprayed over the active working face by a hydroseeder.
- The slurry will be applied at a thickness so that no waste is visible following its application.

4 ADC VERIFICATION AND INSPECTION PROCEDURES

At the end of each working day, landfill personnel will inspect the working face to verify that the minimum thickness of an approved ADC has been placed over the exposed wastes in accordance with this ADCOP. Landfill personnel will routinely assess the effectiveness of each ADC in controlling vectors, fires, odors, and windblown waste. Daily application of ADC will be documented and maintained in the site operating record.

In the event that the ADC does not control vectors, fires, odors, or windblown waste, the ADC application process will be re-evaluated to ensure that the ADC materials adequately cover the working face and serve their intended purpose. Any required changes to the ADC operational procedures will be documented in the site operating record.

Skyline Landfill may request temporary authorization to use additional types of alternative daily cover material in accordance with §305.62(k)(1)(A). A status report on the additional alternative daily cover materials will be submitted on a two-month basis during the temporary authorization period describing the effectiveness of the alternative material in accordance with §330.165(d)(2). If no unresolved problems have occurred within the temporary authorization period, status reports may no longer be required.

SKYLINE LANDFILL

APPENDIX IVF-A

**ALTERNATIVE DAILY COVER APPROVAL –
CONTAMINATED SOILS**

SKYLINE LANDFILL

APPENDIX IVF-B

**ALTERNATIVE DAILY COVER – POSI-SHELL BASE MIX AND
QUICK COVER ALTERNATE DAILY COVER**

MATERIALS



MATERIAL SAFETY DATA SHEET

Date of Preparation: November, 2012

SECTION 1 — IDENTIFICATION

Supplier: LSC Environmental Products, LLC
2183 Pennsylvania Ave
Apalachin, NY 13732

Emergency Telephone: 800-800-7671 (LSC Environmental Products, LLC)
Product/Trade Name: **Posi-Shell Base Mix**
Chemical Name: SODIUM MONTMORILLONITE CLAY WITH ADDITIVES, POLYESTER
FIBERS AND BROWN FERROUS OXIDE COLOR
Generic Name: SMC with proprietary additives, Polyester Fibers and Brown Color

SECTION 2 — HAZARD(S) IDENTIFICATION

POTENTIAL HEALTH EFFECTS (See Section 11 for toxicological data.)

EYE: Mechanical irritant.

SKIN: Possible drying resulting in dermatitis.

INGESTION: No adverse effects.

INHALATION: *Acute* (short term) exposure to dust levels exceeding the PEL may cause irritation of respiratory tract resulting in a dry cough. *Chronic* (long term) exposure to airborne SMC dust containing respirable size ($\approx 10\mu$) quarter particles, where respirable quartz particle levels are higher than TLVs, may lead to development of silicosis or other respiratory problems. Persistent dry cough and labored breathing upon exertion may be symptomatic.

CARCINOGENICITY: SMC is not listed by ACGIH, IARC, NTP, or OSHA. IARC, 1997, concludes that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica from occupational sources (IARC Class 1), that carcinogenicity was not detected in all industrial circumstances studied and that carcinogenicity may depend on characteristics of the crystalline silica or on external factors affecting its biological activity. NTP classifies respirable crystalline silica as "known to be a human carcinogen" (NTP 9th Report on Carcinogens - 2000). ACGIH classifies crystalline silica quartz as a suspected human carcinogen (A2).

NOTE: Polyester Staple is a family of fiber products having similar hazard and physical property characteristics. The polymer immobilizes the constituents of the polymer system (delusterants, catalyst residues, etc.) which, therefore, present no likelihood of exposure under normal conditions of processing and handling.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Composition / Information on Ingredients

Sodium Montmorillonite Clay with Additives	CAS# 1318-93-0
Crystalline Silica (SiO ₂) as Quartz	CAS# 14808-60-7
Polyethylene terephthalate polymer and one or more surface finishes (organic lubricants) – Polyester Staple	CAS#25038-59-9
Brown Ferrous Oxide	CAS#1309-37-1

SECTION 4 — FIRST AID MEASURES

Page 2

EYE: Flush eyes with plenty of water until irritation ceases.

SKIN: Wash with soap and water until clean.

INHALATION: Move to area free from dust. If symptoms of irritation persist, contact physician. Inhalation may aggravate existing respiratory illness.

SECTION 5 — FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: Not applicable.

SPECIAL FIRE FIGHTING PROCEDURES: Not applicable.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Product will not support combustion.

FLAMMABILITY LIMITS

LEL: Not applicable.

UEL: Not applicable.

HAZARDOUS COMBUSTION PRODUCTS: During a fire, smoke may contain the original material in addition to unidentified toxic and / or irritating compounds. Hazardous combustion products may include and are not limited to carbon monoxide, carbon dioxide.

OTHER FLAMMABILITY INFORMATION: Polyester fibers will burn if exposed to flame. Decomposition products generated from molten polymer may be subject to autoignition. Combustion products will be comprised of carbon, hydrogen, and oxygen. The exact composition will depend on the conditions of combustion

EXTINGUISHING MEDIA: None for product. Any media can be used for the packaging. Product becomes slippery when wet.

FIRE FIGHTING INSTRUCTIONS: Keep people away. Isolate fire area and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone. Hand held carbon dioxide or dry chemical hazard may result from forceful application of fire extinguishing agents.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, pants, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance. Fire fighters should protect themselves from decomposition and combustion products that may include carbon monoxide and other toxic gases.

SECTION 6 — ACCIDENTAL RELEASE MEASURES (See Section 15 for Regulatory Information)

PROTECT PEOPLE: Avoid breathing dust; wear respirator approved for silica bearing dust. Material becomes slippery when wet.

CLEANUP: Vacuum up to avoid generating airborne dust. Avoid using water.

SECTION 7 — HANDLING AND STORAGE

Page 3

HANDLING: Use NIOSH/MSHA respirators approved for silica bearing dust when free silica containing airborne SMC dust levels exceed PEL/TLVs. Clean up spills promptly to avoid making dust. Storage area floors may become slippery if wetted. Personal hygiene measures, such as washing hands and face immediately after working with the fibers and before eating, smoking, or using lavatory facilities, are recommended.

STORAGE: Store in a dry place. Store below 90 F (32 C).

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Mechanical, general room ventilation. Use local ventilation to maintain PELs/TLVs.

PERSONAL PROTECTIVE EQUIPMENT

EYE / FACE PROTECTION: Generally not necessary. Personal preference.

SKIN PROTECTION: Generally not necessary. Personal preference.

RESPIRATORY PROTECTION: Use respirators approved by NIOSH/MSHA for silica bearing dust.

EXPOSURE GUIDELINES:

Permissible Exposure Limits (for air contaminants):

	<u>OSHA PEL</u> <u>(8 hr. TWA)</u>	<u>ACGIH TVL</u>
SMC as "Particulates not otherwise regulated" (formerly nuisance dust)		
Total Dust	15 mg/m ³	N/D
Respirable Dust	5 mg/m ³	N/D
Crystalline Quartz (respirable)	0.1 mg/m ³	0.1 mg/m ³
Iron Oxide	Not Est.	Not Est.

Inhalation of finish mist above the recommended 3 mg/m³ 8-hour TWA would be an exposure of concern.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F):	N/A
Vapor Pressure (mm. Hg):	N/A
Vapor Density (Air=1):	N/A
Solubility in Water:	Insoluble, forms colloidal suspension
Density (at 20° C):	55 lbs/cu ft as product
Specific Gravity (H ₂ O=1):	2.45-2.55
Melting Point:	Approx. 1450° C
Evaporation Rate (Butyl Acetate=1):	N/A
pH:	8-10 (5% aqueous suspension)

SECTION 10 — STABILITY AND REACTIVITY

CHEMICAL STABILITY: Polyethylene terephthalate is chemically stable and resistant to attack by oils, solvents, weak acids, and weak alkalis. SMC is stable. Ferrous Oxide is stable.

CONDITIONS TO AVOID: None.

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HAZARDOUS DECOMPOSITION PRODUCTS: None.

HAZARDOUS POLYMERIZATION: None.

INCOMPATIBILITY WITH OTHER MATERIALS: None.

SECTION 11 — TOXICOLOGICAL INFORMATION

(See Section 3 for Potential Health Effects. For detailed toxicological data, write or call the address or non-emergency number shown in Section 1). This product has not been fully evaluated for toxicological properties. Preliminary evaluation of chemical components used in the finish and toxicological testing of the ingredients have given no indication that health problems would occur in normal handling and use.

SECTION 12 — ECOLOGICAL INFORMATION

(For detailed Ecological data, write or call the address or non-emergency number shown in Section 1)

ECOTOXICITY: Not expected to be acutely toxic.

SECTION 13 — DISPOSAL CONSIDERATIONS

(See Section 15 for Regulatory Information)

DISPOSAL: Product should be disposed of in accordance with applicable local, state, and federal regulations.

SECTION 14 — TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (D.O.T.): This product is not regulated by D.O.T. when shipped domestically by land.

CANADIAN TDG INFORMATION: For TDG regulatory information, if required, consult transportation regulations, product shipping papers.

SECTION 15 — REGULATORY INFORMATION

(Not meant to be all-inclusive—selected regulations represented)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

U.S. REGULATIONS

These products are not classified as hazardous wastes under the Resource Conservation and Recovery Act, and unless prohibited by state or local regulation, can be disposed of in a municipal landfill or incinerated. Any finish oils contained in plant wastewater should be biodegradable in conventional biological wastewater treatment systems.

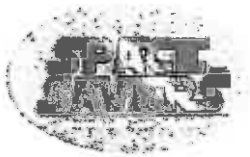
SECTION 16 — OTHER INFORMATION

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MSDS STATUS: Revised to 16 Section format.

All information presented herein is believed to be accurate; however, it is the user's responsibility to determine in advance of need that the information is current and suitable for their circumstances.

No warranty or guarantee, expressed or implied, is made by LSC Environmental Products, LLC as to this information or as to the safety, toxicity, or effect of the use of this product.



Safety Data Sheet – SDS

Product Type: Cellulose Fiber Hydraulic Mulch with Tackifer
Revision Date: July 2015

1. Identification and Product Identification

Product Name: Quick Cover Alternate Daily Cover
Company Name: Space Savers, Inc.
136 Pecan Street
Keller, TX 76248
Emergence Contact: 817.337.0112
Recommended Use: Hydraulic Mulch used as alternate daily cover for landfills
Restrictions: None known

Manufactured By: Central Fiber
4814 Fiber Lane
Wellsville, KS 66092

2. Hazardous Identification

WARNING! MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR (DURING PROCESSING).
CAUSES EYE IRRITATION (AT HIGH CONCENTRATIONS).

PRECAUTIONS: Wear protective gloves / protective clothing / eye protection / face protection. Avoid generating dust. Keep away from heat, sparks, open flames, and hot surfaces. No Smoking.

3. Composition, Information on Ingredients

CAS NUMBER	NAME	PERCENT
9004-34-6	Cellulose Fiber	81-89%
7732-18-5	Water	9-15%
Proprietary	Polysaccharide Tackifier	1%
41272-40-6 or 3844-45-9	Green Dye or Blue Dye	<0.1%

4. First-Aid Measures

Inhalation: Avoid breathing dust. Remove to fresh air. No acute hazard known.
Eye contact: Flush eyes with copious amount of water. No acute hazard known.
Skin contact: Wash exposed skin with soap and water. No acute hazard known.
Ingestion: Call poison control. Do not induce vomiting. No acute hazard known.



Safety Data Sheet – SDS

Product Type:	Cellulose Fiber Hydraulic Mulch with Tackifer
Revision Date:	July 2015

9. Physical and Chemical Properties

Flash Point:	Not Applicable
Boiling Point (F):	Not Applicable
Vapor Pressure (mm Hg):	Not Applicable
Vapor Density:	Not Applicable
Solubility in Water:	Insoluble, Dispersible
Bulk Density (packaged product):	16-18lb/ft ³
Reactivity in Water:	Dispersible
Melting Point:	Not Applicable
Appearance & Odor:	Fibrous material, green or blue-green in color. No discernible odor.
LEL/UEL:	No data available

10. Stability & Reactivity

Stability:	Stable
Conditions to Avoid:	Avoid extreme heat and flame
Hazardous Decomposition:	May produce carbon monoxide and carbon dioxide
Hazardous Polymerization:	Will not occur

11. Toxicological Information

Component*	LD50 Oral	LD50 Dermal	LC50 Inhales (dust)
Cellulose	Non-toxic	Non-toxic	Non-toxic

*Components not listed are not hazardous substances.

May cause irritation to eye and respiratory system. Persons with respiratory problems should avoid breathing dust. Can cause irritation to mucous membrane and upper respiratory system. Remove to fresh air.

12. Ecological Information

Cellulose fiber slowly biodegrades in water, is not eco-toxic and persists in arid soils (landfills). The green or blue dye used in this product is not believed to be eco-toxic at concentrations found in this product. The polysaccharide tackifier used in this product is biodegradable and is not eco-toxic.



What is Quick Cover?

Quick Cover is a blend of cellulose fiber mulch and a binding agent that form a slurry when mixed with water. The materials the mulch is made from are biodegradable and are not reactive, ignitable, or corrosive.

Quick Cover is easily applied to a landfill working face by spraying with a commercial hydro-seeder or similar equipment. Total mixing and application time takes one person about 60 minutes.

What are the benefits of Quick Cover?

- Easy Application. Just apply and forget about it, no removal necessary!
- Saves airspace and extends landfill life.
- Meets all regulatory requirements for daily landfill covers.

Quick Cover ADC SPECS

- ◇ Cellulose fiber mulch and synthetic takifier
- ◇ Bags are 8x10x27, 50 lbs, and 40 per pallet
- ◇ 880 bags per order
- ◇ Available in Leaf Green or Earth Tone Brown
- ◇ Quick Cover Plus with flame retardant is also available.



Start saving by ordering Quick Cover today!



Order Online or by Phone at Space Savers, Inc:
136 Pecan Street
Keller, TX 76249
817.337.0112
www.spacesaversadc.com



Product Information Sheet

Detailed Material Description

Quick Cover ADC is a blend of cellulose fiber mulch and a binding agent that form a slurry when mixed with water. The mulch is manufactured from recycled fiber stock (mixed papers) and the binding agent is synthetic tackifier. None of the materials are reactive, ignitable or corrosive. Quick Cover is packaged in 50-pound plastic bags, with a nominal bag size of 8" x 10" x 27".

Quick Cover is applied to a landfill working face by spraying with special application equipment similar to a commercial hydro-seeder which is typically pulled by a bulldozer or other landfill equipment. Quick Cover is mixed, at a ratio of approximately one 50-pound bag of Quick Cover to every 100 gallons of water, within the reservoir of the application equipment. The materials are mixed by mechanical agitation until they form a smooth homogenous slurry. The materials stay in suspension after they are mixed allowing a uniform spray application that allows the material to conform to the shape of the underlying waste.

Application Procedures

The following procedures are recommended for the daily application of the Quick Cover ADC:

1. Fill ADC application equipment with water;
2. Add one 50-pound bag of Quick Cover to every 100 gallons of water;
3. Allow the materials to mix until they form a homogeneous slurry, 15 minutes is typically sufficient;
4. Apply the compacted refuse by spraying directly on the working face. Use proper application nozzle to provide consistent coverage. Quick Cover may be sprayed up to 180 feet depending on the type of application equipment used.

Quick Cover dries to form a uniform coating on top of the waste. Drying time is typically 30-minutes to one-hour depending on weather conditions. During windy conditions, the slurry may need to be sprayed from two directions to ensure proper coverage.

Regulatory Compliance

When properly applied, Quick Cover forms a uniform coating that conforms to the shape of the underlying waste and provides the following additional beneficial functions:

- Covers the underlying waste and reduces available breeding sites for flies, mosquitoes and other insects as well as discouraging solid waste from being an attractant to domestic/feral and wild animals;
- Serves as an odor barrier or filter for odors emanating from solid waste;
- Reduces the potential for fires within the landfill; and
- Improves the aesthetics for site users and neighbors.

TEMPORARY AUTHORIZATION APPROVAL LETTERS

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 2, 2015

Ms. Paula Carboni
Environmental Compliance Manager
Waste Management of Texas, Inc.
1201 North Central St.
Ferris, Texas 75125

Re: Waste Management Skyline Landfill – Ellis County
Municipal Solid Waste (MSW) – Permit No. 42D
Temporary Authorization – Use of Posi-Shell Base Mix and Quick Cover as Alternate
Daily Cover (ADC)
Tracking No. 19629612; RN100542232/CN603572132

Dear Ms. Carboni:

The Texas Commission on Environmental Quality MSW Permits Section reviewed the referenced facility's request dated September 2, 2015, for a temporary authorization to use Posi-Shell Base Mix and Quick Cover as ADC on a trial basis to evaluate their effectiveness as ADC materials. In accordance with Title 30 Texas Administrative Code, §305.62(k), our evaluation indicates that the information presented is sufficient to allow the requested temporary authorization with the conditions established in the enclosed issuance document.

The enclosed copy of the referenced temporary authorization should be maintained in the facility's files. The documentation prepared and submitted to support the temporary authorization request shall be considered as requirements of the permit.

If you have any questions concerning this matter, please contact Mr. Charles Brown at (512) 239-6234. When addressing written correspondence, please use mail code MC 124.

This action is taken under authority delegated by the executive director of the Texas Commission on Environmental Quality.

Sincerely,

A handwritten signature in black ink, appearing to read "Chance Goodin".

Chance Goodin, Manager
Municipal Solid Waste Permits Section
Waste Permits Division

CG/CBB/vkm

cc: Mr. Kenneth J. Welch, P.E., Biggs and Mathews Environmental, Inc., Mansfield

Enclosure

Texas Commission on Environmental Quality



Temporary Authorization Municipal Solid Waste Permit No. 42D Waste Management Skyline Landfill

Municipal Solid Waste (MSW) Permit No. 42D is hereby authorized as follows:

Description of Temporary Authorization:

Waste Management Skyline Landfill, MSW Permit No. 42D is hereby authorized to use the following materials on a trial basis to evaluate their effectiveness as an alternative daily cover (ADC), subject to the following conditions.

1. The permittee shall contact the Texas Commission on Environmental Quality Region 4 office at least ten days prior to the use of ADC materials and on a regular basis thereafter, ~~to allow inspection and monitoring of the performance of the ADC materials during this trial period.~~
2. Types of ADC materials to be used during this trial period shall be limited to the following:
 - Posi-Shell Base Mix (Posi-Shell) manufactured by LSC Environmental Products, LLC.
 - Quick Cover Alternate Daily Cover (Quick Cover) manufactured by Central Fiber.
3. The ADC material must be prepared as specified by the manufacturer, and applied from at least two different directions or as prescribed by the manufacturer, whichever yields better coverage, to achieve an overall thickness of not less than 0.25 inches over the exposed waste.
4. Storm water runoff from areas that have been covered with contaminated soil ADC and from contaminated soil ADC stockpiles shall be controlled and managed as contaminated water.
5. The use of ADC materials is limited to a 24-hour period after which either waste or daily cover as defined in Title 30 Texas Administrative Code (30 TAC), §330.165(a) must be placed.
6. The trial period shall begin 15 days after the date this temporary authorization is issued, unless an alternate start date was requested in writing by the permittee and approved as part of this temporary authorization.

7. The ADC trial period should include all seasons of the year; therefore, as the facility nears the end of the initial trial period, an extension may be requested. Each ADC material listed in this temporary authorization may be used for not more than 180 days following initiation of the trial period, and for an additional trial period not to exceed 180 days upon approval of a one-time extension. This temporary authorization for the first trial period will expire 180 days after the initiation of the trial period.
8. If after a one year trial period, the ADC materials prove to be effective as daily cover in accordance with 30 TAC §330.165(d), the facility may request to incorporate the materials as an option in the permit by an amendment in accordance with 30 TAC §305.62, or a modification with notice in accordance with 30 TAC §305.70(k)(1).
9. In accordance with 30 TAC §330.165(d)(2), written status reports for each ADC material shall be submitted on a two-month basis to the executive director during the trial period. The reports shall include usage logs listing the days the ADC was used at the site, and shall contain information describing the effectiveness of the ADC material, any problems that may have occurred, and corrective action required as a result of such problems. If an ADC material is not utilized during each two month period, the status report should also discuss this fact.

The details of this temporary authorization are contained in the request dated September 2, 2014, and shall be considered as requirements of the permit.

Approved, Issued and Effective in accordance with 30 TAC §305.62(k), for 180 days.

Issued Date: October 2, 2015


For the Commission

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 8, 2016

Ms. Paula Carboni
Environmental Compliance Manager
Skyline Landfill
Waste Management of Texas, Inc.
1201 North Central Street
Ferris, Texas 75125-2101

Re: Skyline Landfill – Dallas and Ellis Counties
Waste Management Municipal Solid Waste – Permit No. 42D
Temporary Authorization – Alternative Daily Cover – Extension of Trial Period for
Posi-Shell Base Mix and Quick Cover
Tracking No. 20393988; RN100542232/CN603572132

Dear Ms. Carboni:

We have reviewed your request dated March 21, 2016, for reissuance of the temporary authorization first issued October 2, 2015, for the trial use of *Posi-Shell Base Mix* and *Quick Cover* spray-on alternative daily cover materials. The request was submitted on your behalf by Mr. Kenneth J. Welch, P.E., of Biggs and Mathews Environmental, Inc., Mansfield, Texas. Our evaluation indicates that the information presented is sufficient for a one-time extension of the temporary authorization for a term not to exceed 180 days in accordance with Title 30 Texas Administrative Code, §305.62(k), with the conditions established in the enclosed issuance document.

The reissued temporary authorization should be maintained in the facility's files. The documentation prepared and submitted to support the temporary authorization request shall be considered as requirements of the permit.

If you have any questions concerning this matter, please contact Mr. Arten Avakian at (512) 239-4419. When addressing written correspondence, please use mail code MC 124.

This action is taken under authority delegated by the executive director of the Texas Commission on Environmental Quality.

Sincerely,

A handwritten signature in black ink, appearing to read "cgm".

Chance Goodin, Manager
Municipal Solid Waste Permits Section
Waste Permits Division

CG/AJA/cgm

Enclosure

cc: Mr. Kenneth J. Welch, P.E., Biggs and Mathews Environmental, Inc., Mansfield

Texas Commission on Environmental Quality



Temporary Authorization Municipal Solid Waste Permit No. 42D Waste Management Skyline Landfill

Municipal Solid Waste (MSW) Permit No. 42D is hereby authorized as follows:

Description of Temporary Authorization:

Waste Management Skyline Landfill, MSW Permit No. 42D is hereby authorized to use the following materials on a trial basis to evaluate their effectiveness as an alternative daily cover (ADC), subject to the following conditions.

1. The permittee shall contact the Texas Commission on Environmental Quality Region 4 office at least ten days prior to the use of ADC materials and on a regular basis thereafter, to allow inspection and monitoring of the performance of the ADC materials during this trial period.
2. Types of ADC materials to be used during this trial period shall be limited to the following:
 - Posi-Shell Base Mix (Posi-Shell) manufactured by LSC Environmental Products, LLC.
 - Quick Cover Alternate Daily Cover (Quick Cover) manufactured by Central Fiber.
3. The ADC material must be prepared as specified by the manufacturer, and applied from at least two different directions or as prescribed by the manufacturer, whichever yields better coverage, to achieve an overall thickness of not less than 0.25 inches over the exposed waste.
4. Storm water runoff from areas that have been covered with contaminated soil ADC and from contaminated soil ADC stockpiles shall be controlled and managed as contaminated water.
5. The use of ADC materials is limited to a 24-hour period after which either waste or daily cover as defined in Title 30 Texas Administrative Code (30 TAC), §330.165(a) must be placed.
6. The trial period shall begin 15 days after the date this temporary authorization is issued, unless an alternate start date was requested in writing by the permittee and approved as part of this temporary authorization.

7. The ADC trial period should include all seasons of the year; therefore, as the facility nears the end of the initial trial period, an extension may be requested. Each ADC material listed in this temporary authorization may be used for not more than 180 days following initiation of the trial period, and for an additional trial period not to exceed 180 days upon approval of a one-time extension. This temporary authorization for the first trial period will expire 180 days after the initiation of the trial period.
8. If after a one year trial period, the ADC materials prove to be effective as daily cover in accordance with 30 TAC §330.165(d), the facility may request to incorporate the materials as an option in the permit by an amendment in accordance with 30 TAC §305.62, or a modification with notice in accordance with 30 TAC §305.70(k)(1).
9. In accordance with 30 TAC §330.165(d)(2), written status reports for each ADC material shall be submitted on a two-month basis to the executive director during the trial period. The reports shall include usage logs listing the days the ADC was used at the site, and shall contain information describing the effectiveness of the ADC material, any problems that may have occurred, and corrective action required as a result of such problems. If an ADC material is not utilized during each two month period, the status report should also discuss this fact.

The details of this temporary authorization are contained in the request dated September 2, 2014, and shall be considered as requirements of the permit.

Approved, Issued and Effective in accordance with 30 TAC §305.62(k), for 180 days.

Issued Date: April 8, 2016


For the Commission

OBSERVATION REPORTS



SKYLINE LANDFILL
1201 North Central Ave.
Ferris, Texas

DECEMBER 21, 2015

Chance Goodin
MSW Section MC 124
TCEQ
12100 Park 35 Circle Building F
Austin, Texas 78753

RE: WM Skyline Landfill, MSW Permit No. 0042D, Dallas and Ellis Counties
ADC Written Status Report

Dear Mr. Goodin:

As per the approved Temporary Authorization for use of Posi-Shell Base Mix and Quick Cover as Alternate Daily Cover (ADC) item 9 approved October 2, 2015, WM Skyline Landfill is submitting its first two-month written status report. This report covers the period of October 1, 2015 to November 30, 2015. During this period, did not utilize the ADC material.

The next reporting period is December 1, 2015 to January 31, 2016 with the report being submitted by February 28, 2016. As per item 1 of the TA, the TCEQ Region 4 was notified and a site visit is set up for January 6, 2016. The inspection is to monitor the first application of the ADC with a return visit to see the results. During this site visit, it will be discussed how often WM needs to notify the region to comply with item 1 of the TA. As per item 6 of the TA, the trial period is beginning 15 days after the TA was issued.

If you have any questions, please contact me at 972-842-5881.

Sincerely,

Paula Carboni
Area Environmental Manager
WM Texoma Area

cc: Site Operating Records
TCEQ Region 4



SKYLINE LANDFILL
1201 North Central Ave.
Ferris, Texas

FEBRUARY 16, 2016

Chance Goodin
MSW Section MC 124
TCEQ
12100 Park 35 Circle Building F
Austin, Texas 78753

RE: WM Skyline Landfill, MSW Permit No. 0042D, Dallas and Ellis Counties
ADDC Written Status Report

Dear Mr. Goodin:

As per the approved Temporary Authorization for the use of Posi-Shell Base Mix and Quick Cover as Alternate Daily Cover (ADC) item 9 approved October 2, 2015, WM Skyline Landfill is submitting the second two-month written status report. This report covers the period of December 1, 2015 to January 31, 2016. During this period, the Quick Cover was used as ADC and the status report is attached.

The next reporting period is February 1, 2016 to March 31, 2016 with the report being submitted by April 30, 2016. The Temporary Authorization expires on April 29, 2016. As per item 7 of the approved TA, WM will be asking for an extension prior to the next report being submitted.

As per item 1 of the TA, the TCEQ Region 4 was onsite the afternoon of January 14, 2016 and morning of January 15, 2016 to monitor the first application of the Quick Cover ADC. WM plans to start using the Posi-Shell ADC the first week of March 2016 and the TCEQ Region 4 will again be onsite to monitor the first application.

If you have any questions, please contact me at 972-842-5881.

Sincerely,

A handwritten signature in blue ink that reads 'Paula Caroni'.

Paula Caroni
Area Environmental Manager
Waste Management Texas-Oklahoma Area

cc: Site Operating Records
TCEQ Region 4

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

DATE	TYPE ADC USED	AMOUNT USED	EFFECTIVE Yes or No	PROBLEMS OCCUR DURING APPLICATION	CORRECTIVE ACTION TAKEN	ADDITIONAL COMMENTS
1/14/2016	Quick Cover	10 bags	No	First time use. Windy during application (10-15 mph). 3/4 area covered with ADC. Remaining area with dirt.	Will not apply when wind gusts deter the application.	TCEQ Region 4 onsite to observe the application. Came back on 1/15/16 in morning to see how the cover looked the next morning.
1/18/2016	Quick Cover	10 bags	Yes	Application went on good even with small amount of wind.	NA	NA
1/19/2016	Quick Cover	10 bags	No	Could not get trailer that application machine on through the trash with tractor. Had to cover some of the area with dirt.	Putting hitch on dozer to pull the trailer.	NA
1/20/2016	Quick Cover	10 bags	Yes	No	NA	Dozer pulling the trailer corrected the issue from 1/19/16.
1/21/2016	Quick Cover	30 bags	Yes	No	NA	NA
1/22/2016	Quick Cover	10 bags	Yes	Lighting was not good so took longer to cover.	Move light plants over to area to have better lighting.	NA
1/25/2016	Quick Cover	10 bags	Yes	No	NA	NA
1/26/2016	Quick Cover	10 bags	Yes	No	NA	NA
1/27/2016	Quick Cover	10 bags	Yes	No	NA	NA
1/28/2016	Quick Cover	10 bags	Yes	No	NA	NA
1/29/2016	Quick Cover	10 bags	Yes	No	NA	NA

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 10, 2016

Ms. Paula Carboni
Area Environmental Manager
Waste Management Texas-Oklahoma Area
Waste Management of Texas, Inc.
P.O. Box 400
Ferris, Texas 75125-0400

Re: Skyline Landfill – Dallas and Ellis Counties
Municipal Solid Waste – Permit No. 42D
Alternative Daily Cover Status Report – Second Two-Month Reporting Period
Tracking No. 20292710; RN100542232/CN603572132

Dear Ms. Carboni:

We received a status report covering the second two months of a trial period for using spray-on alternative daily cover (ADC) at the referenced facility. The trial period was authorized in a temporary authorization (TA) issued October 2, 2015, for the trial use of *Posi-Shell Base Mix* and *Quick Cover* spray-on ADC materials. The status report was provided in your letter dated February 16, 2016, with attached table, in accordance with Title 30 Texas Administrative Code, Chapter 330, Section 330.165(d)(2), and with the provisions of the TA.

Thank you for the submission. The report indicates that *Quick Cover* was used for the first time on January 14, 2016, and was used 10 more days in January of 2016. The report indicates that *Quick Cover* was not effective when applied during windy conditions, but was effective when applied when winds were gentler or calm. The report also indicated that the equipment used to apply the ADC could not be pulled by a tractor over the area to be covered, and that the problem was overcome by pulling it with a bulldozer instead. Your cover letter further indicated that *Posi-Shell* ADC has not yet been tried, and that you anticipate you will start using it during the first week of March 2016.

We have added the ADC status report to our files for this facility, and will look forward to receiving additional reports for the remainder of the trial period. In the meantime, if you have any questions concerning this matter, please contact me at (512) 239-4419. When addressing written correspondence, please use mail code MC 124.

Sincerely,

A handwritten signature in blue ink, appearing to read "Arten J. Avakian".

Arten J. Avakian, Project Manager
Municipal Solid Waste Permits Section
Waste Permits Division

AJA/cgm

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SKYLINE LANDFILL
1201 North Central Ave.
Ferris, Texas

APRIL 20, 2016

Chance Goodin
MSW Section MC 124
TCEQ
12100 Park 35 Circle Building F
Austin, Texas 78753

RE: WM Skyline Landfill, MSW Permit No. 0042D, Dallas and Ellis Counties
ADC Written Status Report

Dear Mr. Goodin:

As per the approved Temporary Authorization for the use of Posi-Shell Base Mix and Quick Cover as Alternate Daily Cover (ADC) item 9 approved October 2, 2015, WM Skyline Landfill is submitting the third two-month written status report. This report covers the period of February 1 to March 31, 2016. During this period, the Quick Cover and Posi-Shell was used as ADC and the status report is attached.

The next reporting period is April 1 to May 31, 2016 with the report being submitted by June 30, 2016.

The Temporary Authorization expires on April 29, 2016. As per item 7 of the approved TA, WM has asked and received an extension, which expires October 5, 2016.

As per item 1 of the TA, the TCEQ Region 4 was onsite the afternoon of March 28, 2016 and morning of March 29, 2016 to monitor the first application of the Posi-Shell ADC. WM plans to start using the Posi-Shell ADC the first week of March 2016 and the TCEQ Region 4 will again be onsite to monitor the first application.

If you have any questions, please contact me at 972-842-5881.

Sincerely,

Paula Carboni
Area Environmental Manager
Waste Management Texas-Oklahoma Area

cc: Site Operating Records
TCEQ Region 4

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

DATE	TYPE ADC USED	AMOUNT USED	EFFECTIVE Yes or No	PROBLEMS OCCUR DURING APPLICATION	CORRECTIVE ACTION TAKEN	ADDITIONAL COMMENTS
2/2/2016	Quick Cover	10 bags	Yes	No	NA	Slight wind but no issues
2/3/2016	Quick Cover	10 bags	Yes	Had to respray mattress	NA	NA
2/4/2016	Quick Cover	10 bags	Yes	No	NA	Had to use dirt on top and some or the side
2/5/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/8/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/9/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/10/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/11/2016	Quick Cover	10 bags	Yes	Had to respray mattress	NA	NA
2/12/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/15/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/16/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/17/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/18/2016	Quick Cover	10 bags	Yes	No	NA	NA

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

2/19/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/22/2016	Quick Cover	20 bags	Yes	No	NA	Used More because wet
2/23/2016	Quick Cover	20 bags	Yes	No	NA	Used More because wet
2/24/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/25/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/26/2016	Quick Cover	10 bags	Yes	No	NA	NA
2/29/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/1/2016	Quick Cover	10 bags	Yes	No	NA	Slight wind but no issues
3/2/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/3/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/4/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/7/2016	Quick Cover	10 bags	Yes	No	NA	Medium wind but no issues
3/8/2016	Quick Cover	20 bags	Yes	No	NA	Larger Area
3/10/2016	Quick Cover	20 bags	Yes	No	NA	Larger Area
3/11/2016	Quick Cover	20 bags	Yes	No	NA	Larger Area
3/14/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/15/2016	Quick Cover	20 bags	Yes	No	NA	Larger Area
3/16/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/17/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/18/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/21/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/22/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/23/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/24/2016	Quick Cover	20 bags	Yes	No	NA	NA
3/25/2016	Quick Cover	10 bags	Yes	No	NA	NA
3/28/2016	Posi-Shell	10 bags	Yes	No	NA	TCEQ Region 4 onsite to observe the application of Posi-Shell since first time use. Came back on 3/29/16 in morning to see how the cover looked the next morning.

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

3/29/2016	Posi-Shell	10 bags	Yes	No	NA	NA
3/30/2016	Posi-Shell	10 bags	Yes	No	NA	NA
3/31/2016	Posi-Shell	10 bags	Yes	No	NA	NA

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 4, 2016

Ms. Paula Carboni
Environmental Compliance Manager
Skyline Landfill
Waste Management of Texas, Inc.
1201 North Central Street
Ferris, Texas 75125-2101

Re: Skyline Landfill - Dallas and Ellis Counties
Municipal Solid Waste - Permit No. 42D
Alternative Daily Cover Status Report - Third Two-Month Reporting Period
Tracking No. 20444405; RN100542232/CN603572132

Dear Ms. Carboni:

We received a status report covering the third two months of a trial period for using spray-on alternative daily cover (ADC) at the referenced facility. The trial period was authorized in a temporary authorization (TA) issued October 2, 2015, for the trial use of *Posi-Shell Base Mix* and *Quick Cover* spray-on ADC materials. The status report was provided in your letter dated April 20, 2016, with attached table, in accordance with Title 30 Texas Administrative Code, Chapter 330, Section 330.165(d)(2), and with the provisions of the TA.

Thank you for the submission. The report indicated that *Quick Cover* was used on 39 days during the two-month period, from February 1 through March 25, 2016, and that it was effective, though on several occasions a large item (mattress) needed additional spraying to cover. The report also indicated that *Posi-Shell* ADC was used beginning March 28 (first use) through March 31, 2016, and that it was effective and that no problems were encountered.

We have added the ADC status report to our files for this facility. If you have any questions concerning this matter, please contact me at (512) 239-4419. When addressing written correspondence, please use mail code MC 124.

Sincerely,

A handwritten signature in black ink, appearing to read "Arten J. Avakian".

Arten J. Avakian, Project Manager
Municipal Solid Waste Permits Section
Waste Permits Division

AJA/cgm



SKYLINE LANDFILL
1201 North Central Ave.
Ferris, Texas

JUNE 2, 2016

Chance Goodin
MSW Section MC 124
TCEQ
12100 Park 35 Circle Building F
Austin, Texas 78753

RE: WM Skyline Landfill, MSW Permit No. 0042D, Dallas and Ellis Counties
ADC Written Status Report

Dear Mr. Goodin:

As per the approved Temporary Authorization for the use of Posi-Shell Base Mix and Quick Cover as Alternate Daily Cover (ADC) item 9 approved October 2, 2015, WM Skyline Landfill is submitting the fourth two-month written status report. This report covers the period of April 1 to May 31, 2016. During this period, the Quick Cover and Posi-Shell were used as ADC and the status report is attached.

The next reporting period is June 1 to July 31, 2016 with the report being submitted by August 31, 2016.

The Temporary Authorization now expires on October 5, 2016.

If you have any questions, please contact me at 972-842-5881.

Sincerely,

Paula Carboni
Area Environmental Manager
Waste Management Texas-Oklahoma Area

cc: Site Operating Records
TCEQ Region 4

SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT

DATE	TYPE ADC USED	AMOUNT USED	EFFECTIVE Yes or No	PROBLEMS OCCUR DURING APPLICATION	CORRECTIVE ACTION TAKEN	ADDITIONAL COMMENTS
4/5/2016	Quick Cover	10 bags	Yes	No	NA	NA
4/6/2016	Quick Cover	12 bags	Yes	No	NA	NA
4/7/2016	Quick Cover	12 bags	Yes	No	NA	NA
4/8/2016	Posi-Shell	12 bags	Yes	No	NA	NA
4/11/2016	Posi-Shell	12 bags	Yes	No	NA	1/2" Rain
4/12/2016	Posi-Shell	12 bags	Yes	No	NA	NA
4/13/2016	Posi-Shell	12 bags	Yes	No	NA	1/4" Rain
4/14/2016	Posi-Shell	12 bags	Yes	No	NA	NA
4/18/2016	Posi-Shell	24 bags	Yes	No	NA	Used More because wet
4/19/2016	Posi-Shell	12 bags	Yes	No	NA	1/4" Rain
4/20/2016	Posi-Shell	12 bags	Yes	No	NA	1.5" Rain
4/21/2016	Posi-Shell	12 bags	Yes	No	NA	1" Rain
4/22/2016	Posi-Shell	24 Bags	Yes	No	NA	Used More because wet

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

4/25/2016	Posi-Shell	24 bags	Yes	No	NA	Used More because wet
4/27/2016	Posi-Shell	12 bags	Yes	No	NA	NA
4/28/2016	Posi-Shell	12 bags	Yes	No	NA	NA
4/29/2016	Posi-Shell	12 bags	Yes	No	NA	NA
5/2/2016	Posi-Shell	24 bags	Yes	No	NA	Used More because wet; 1/2" Rain
5/3/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/4/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/5/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/8/2016	Quick Cover	10 bags	Yes	No	NA	1/2" Rain
5/9/2016	Quick Cover	10 bags	Yes	No	NA	1/2" Rain
5/10/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/11/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/12/2016	Quick Cover	10 bags	Yes	No	NA	1" Rain
5/13/2016	Quick Cover	10 bags	Yes	No	NA	1/4" Rain
5/16/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/17/2016	Quick Cover	20 Bags	Yes	No	NA	Both Working Faces
5/18/2016	Quick Cover	20 Bags	Yes	No	NA	Both Working Faces: 1/2" Rain
5/19/2016	Quick Cover	10 bags	Yes	No	NA	1" Rain
5/20/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/20/2016	Posi-Shell	10 bags	Yes	No	NA	NA
5/23/2016	Quick Cover	20 Bags	Yes	No	NA	Both Working Faces
5/24/2016	Quick Cover	20 Bags	Yes	No	NA	Both Working Faces
5/25/2016	Quick Cover	10 bags	Yes	No	NA	NA
5/26/2016	Quick Cover	20 bags	Yes	No	NA	Both Working Faces
5/27/2016	Quick Cover	20 Bags	Yes	No	NA	Both Working Faces: 1.5" Rain
5/31/2016	Quick Cover	10 bags	Yes	No	NA	2.75" Rain

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 15, 2016

Ms. Paula Carboni
Area Environmental Manager
Waste Management Texas-Oklahoma Area
Skyline Landfill
1201 North Central Street
Ferris, Texas 75125-2101

Re: Skyline Landfill - Dallas and Ellis Counties
Municipal Solid Waste - Permit No. 42D
Alternative Daily Cover Status Report - Fourth Two-Month Reporting Period
Tracking No. 20518985; RN100542232/CN603572132

Dear Ms. Carboni:

We received an alternative daily cover (ADC) status report spanning the period from April 1 through May 31, 2016, representing the fourth two months of a trial period for using spray-on ADC at the referenced facility. The trial period was authorized in a temporary authorization (TA) issued October 2, 2015, and reissued April 8, 2016, for the trial use of *Posi-Shell Base Mix* and *Quick Cover* spray-on ADC materials. The status report was provided in your letter dated June 2, 2016, with attached table, in accordance with Title 30 Texas Administrative Code, Chapter 330, §330.165(d)(2), and with the provisions of the TA.

Thank you for the submission. The report indicated that *Quick Cover* was used on 24 days and *Posi-Shell* on 16 days during the two-month period, and that no problems occurred during application. On June 7, 2016, we sent you an email seeking clarifications about which working faces were in operation during the reporting period, and whether ADC was used on May 9 (a Sunday); on June 13 we received your email response. The response clarified which working faces were in operation during the reporting period, and made a correction clarifying that ADC was used on May 9 (a Monday), rather than on May 8 (a Sunday) as indicated in the original report.

We have added the ADC status report to our files for this facility. If you have any questions concerning this matter, please contact me at (512) 239-4419. When addressing written correspondence, please use mail code MC 124.

Sincerely,

A handwritten signature in black ink, appearing to read "Arten J. Avakian".

Arten J. Avakian, Project Manager
Municipal Solid Waste Permits Section
Waste Permits Division

AJA/cgm



WASTE MANAGEMENT

SKYLINE LANDFILL
1201 North Central Ave.
Ferris, Texas

AUGUST 11, 2016

Chance Goodin
MSW Section MC 124
TCEQ
12100 Park 35 Circle Building F
Austin, Texas 78753

RE: WM Skyline Landfill, MSW Permit No. 0042D, Dallas and Ellis Counties
ADC Written Status Report

Dear Mr. Goodin:

As per the approved Temporary Authorization for the use of Posi-Shell Base Mix and Quick Cover as Alternate Daily Cover (ADC) item 9 approved October 2, 2015, WM Skyline Landfill is submitting the fifth two-month written status report. This report covers the period of June 1 to July 31, 2016. During this period, the Quick Cover and Posi-Shell were used as ADC and the status report is attached.

The next reporting period is August 1 to September, 2016 with the report being submitted by October, 2016. This will be the final status report. To cover item 8 of the approved temporary authorization, a modification with the notice in accordance with 30 TAC 305.70(k)(1) will be submitted.

The Temporary Authorization expires on October 5, 2016.

If you have any questions, please contact me at 972-842-5881.

Sincerely,

A handwritten signature in blue ink, appearing to read 'P. Carboni'.

Paula Carboni
Area Environmental Manager
Waste Management Texas-Oklahoma Area

cc: Site Operating Records
TCEQ Region 4

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

DATE	TYPE	AMOUNT USED	EFFECTIVE		PROBLEMS OCCUR DURING APPLICATION	CORRECTIVE ACTION TAKEN	ADDITIONAL COMMENTS
			Yes	No			
6/1/2016	Quick Cover	20 bags	Yes	No	No	NA	1.5" Rain
6/2/2016	Quick Cover	10 bags	Yes	No	No	NA	1.5" Rain
6/3/2016	Posi-Shell	36 bags	Yes	No	No	NA	Wet from 3" last 2 days
6/6/2016	Quick Cover	10 bags	Yes	No	No	NA	NA
6/7/2016	Quick Cover	10 bags	Yes	No	No	NA	NA
6/8/2016	Quick Cover	12 bags	Yes	No	No	NA	NA
6/9/2016	Posi-Shell	20 bags	Yes	No	No	NA	NA
6/10/2016	Quick Cover	20 bags	Yes	No	No	NA	2.5" Rain
6/13/2016	Quick Cover	10 bags	Yes	No	No	NA	2.5" Rain
6/14/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/15/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/16/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/17/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/20/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/21/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/22/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/23/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/24/2016	Quick Cover	10 bags	Yes	No	No	NA	NA
6/27/2016	Quick Cover	20 bags	Yes	No	No	NA	0.25" Rain
6/28/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/29/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
6/30/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
7/1/2016	Quick Cover	20 bags	Yes	No	No	NA	NA
7/4/2016	Quick Cover	10 bags	Yes	No	No	NA	1.5" Rain
7/5/2016	Quick Cover	20 bags	Yes	No	No	NA	0.5" Rain
7/6/2016	Quick Cover	10 bags	Yes	No	No	NA	NA
7/7/2016	Quick Cover	10 bags	Yes	No	No	NA	NA
7/8/2016	Quick Cover	10 bags	Yes	No	No	NA	NA
7/11/2016	Quick Cover	10 bags	Yes	No	No	NA	NA

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

7/12/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/14/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/15/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/18/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/19/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/20/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/21/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/22/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/25/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/26/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/27/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/28/2016	Quick Cover	10 bags	Yes	No	NA	NA
7/29/2016	Quick Cover	10 bags	Yes	No	NA	NA

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 18, 2016

Ms. Paula Carboni
Area Environmental Manager
Waste Management Texas-Oklahoma Area
Skyline Landfill
1201 North Central Street
Ferris, Texas 75125-2101

Re: Skyline Landfill - Dallas and Ellis Counties
Municipal Solid Waste - Permit No. 42D
Alternative Daily Cover Status Report - Fifth Two-Month Reporting Period
Tracking No. 20699803; RN100542232/CN603572132

Dear Ms. Carboni:

We received an alternative daily cover (ADC) status report spanning the period from June 1 through July 29, 2016, representing the fifth two months of a trial period for using spray-on ADC at the referenced facility. The trial period was authorized in a temporary authorization (TA) issued October 2, 2015, and reissued April 8, 2016, for the trial use of *Posi-Shell Base Mix* and *Quick Cover* spray-on ADC materials. The status report was provided in your letter dated August 11, 2016, with attached table, in accordance with Title 30 Texas Administrative Code, Chapter 330, §330.165(d)(2), and with the provisions of the TA.

Thank you for the submission. The report indicated that *Quick Cover* was used on 40 days and *Posi-Shell* on 2 days during the two-month period, and that no problems occurred during application.

We have added the ADC status report to our files for this facility. If you have any questions concerning this matter, please contact me at (512) 239-4419. When addressing written correspondence, please use mail code MC 124.

Sincerely,

A handwritten signature in black ink, appearing to read "Arten J. Avakian".

Arten J. Avakian, Project Manager
Municipal Solid Waste Permits Section
Waste Permits Division

AJA/cgm



SKYLINE LANDFILL
1201 North Central Ave.
Ferris, Texas

OCTOBER 3, 2016

Chance Goodin
MSW Section MC 124
TCEQ
12100 Park 35 Circle Building F
Austin, Texas 78753

RE: WM Skyline Landfill, MSW Permit No. 0042D, Dallas and Ellis Counties
ADC Written Status Report

Dear Mr. Goodin:

As per the approved Temporary Authorization for the use of Posi-Shell Base Mix and Quick Cover as Alternate Daily Cover (ADC) item 9 approved October 2, 2015, WM Skyline Landfill is submitting the sixth and final two-month written status report. This report covers the period of August 1 to September 30, 2016. During this period, the Quick Cover and Posi-Shell were used as ADC and the status report is attached.

To cover item 8 of the approved temporary authorization, a modification with the notice in accordance with 30 TAC 305.70(k)(1) will be submitted by October 10, 2016.

The Temporary Authorization expires on October 5, 2016. WM Skyline has ceased using the ADC on September 30, 2016 and will not resume use of ADC until the modification is approved by the agency.

If you have any questions, please contact me at 972-842-5881.

Sincerely,

Paula Carboni
Area Environmental Manager
Waste Management Texas-Oklahoma Area

cc: Site Operating Records
TCEQ Region 4

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

DATE	TYPE		AMOUNT USED	EFFECTIVE Yes or No	PROBLEMS OCCUR DURING APPLICATION	CORRECTIVE ACTION TAKEN	ADDITIONAL COMMENTS
	ADC USED						
8/1/2016	Quick Cover		10 bags	Yes	No	NA	NA
8/2/2016	Quick Cover		10 bags	Yes	No	NA	NA
8/3/2016	Quick Cover		10 bags	Yes	No	NA	NA
8/4/2016	Quick Cover		10 bags	Yes	No	NA	NA
8/8/2016	Quick Cover		10 bags	Yes	No	NA	NA
8/9/2016	Quick Cover		10 bags	Yes	No	NA	NA
8/10/2016	Quick Cover		10 bags	Yes	No	NA	NA
8/11/2016	Quick Cover		10 bags	Yes	No	NA	NA
8/12/2016	Quick Cover		10 bags	Yes	No	NA	NA
8/15/2016	Quick Cover		20 bags	Yes	No	NA	1" Rain
8/16/2016	Quick Cover		20 bags	Yes	No	NA	1" Rain
8/17/2016	Quick Cover		20 bags	Yes	No	NA	0.75" Rain
8/18/2016	Quick Cover		20 bags	Yes	No	NA	1.5" Rain
8/19/2016	Quick Cover		30 bags	Yes	No	NA	0.5" Rain
8/23/2016	Quick Cover		10 bags	Yes	No	NA	Trace Rain
8/24/2016	Quick Cover		10 bags	Yes	No	NA	NA
8/25/2016	Quick Cover		20 bags	Yes	No	NA	NA
8/26/2016	Quick Cover		10 bags	Yes	No	NA	NA
8/29/2016	Quick Cover		20 bags	Yes	No	NA	NA
8/30/2016	Quick Cover		10 bags	Yes	No	NA	0.25" Rain
8/31/2016	Quick Cover		10 bags	Yes	No	NA	NA
9/1/2016	Quick Cover		10 bags	Yes	No	NA	Trace Rain
9/2/2016	Quick Cover		10 bags	Yes	No	NA	NA
9/5/2016	Quick Cover		10 bags	Yes	No	NA	NA
9/6/2016	Quick Cover		10 bags	Yes	No	NA	NA
9/7/2016	Quick Cover		10 bags	Yes	No	NA	NA
9/8/2016	Quick Cover		10 bags	Yes	No	NA	NA
9/9/2016	Quick Cover		10 bags	Yes	No	NA	NA
9/12/2016	Quick Cover		10 bags	Yes	No	NA	NA
9/13/2016	Quick Cover		10 bags	Yes	No	NA	NA

**SKYLINE LANDFILL
TWO MONTH ADC STATUS REPORT**

9/14/2016	Quick Cover	10 bags	Yes	No	NA	NA
9/15/2016	Quick Cover	10 bags	Yes	No	NA	Trace Rain
9/16/2016	Quick Cover	10 bags	Yes	No	NA	NA
9/19/2016	Quick Cover	10 bags	Yes	No	NA	NA
9/20/2016	Quick Cover	10 bags	Yes	No	NA	NA
9/21/2016	Quick Cover	20 bags	Yes	No	NA	NA
9/22/2016	Quick Cover	10 bags	Yes	No	NA	NA
9/23/2016	Quick Cover	10 bags	Yes	No	NA	NA
9/26/2016	Posi Shell	20 bags	Yes	No	NA	1" Rain
9/27/2016	Posi Shell	12 Bags	Yes	No	NA	0.5" Rain
9/28/2016	Posi Shell	12 Bags	Yes	No	NA	NA
9/29/2016	Posi Shell	12 Bags	Yes	No	NA	NA
9/30/2016	Posi Shell	12 Bags	Yes	No	NA	NA