



## **BIGGS & MATHEWS ENVIRONMENTAL**

*Consulting Engineers • Hydrogeologists*

---

Mansfield • Wichita Falls

September 24, 2014

Mr. Steve Odil, P.E.  
Municipal Solid Waste Permits Section  
Waste Permits Division – MC 124  
Texas Commission on Environmental Quality  
P.O. Box 13087  
Austin, TX 78711-3087

Re: 130 Environmental Park – Caldwell County  
Municipal Solid Waste (MSW) – Permit No. 2383  
Response to September 24, 2014 Request for Clarification  
Tracking No. 17458939 (18347603); CN604375972/RN106897036

Dear Mr. Odil:

This response to your September 24, 2014 request for clarification is submitted on behalf of 130 Environmental Park, LLC, for the referenced permit application. Our responses to the Texas Commission on Environmental Quality (TCEQ) comments are presented below in the order presented to us.

1. Comment 4 of the August 1, 2014, NOD letter noted that 30 TAC §330.63(c)(2)(D)(ii) requires a demonstration that the proposed construction has a floodplain development permit from the city, county, or other agency with jurisdiction over the proposed improvements. We await documentation of the authorization(s).

**RESPONSE:** *130 Environmental Park has begun the preliminary platting process with Caldwell County and will obtain all local permits and authorizations required of the project. As these authorizations are obtained, they will be forwarded to the TCEQ.*

2. Comment 7 of the August 1, 2014, NOD letter requested provisions for field thickness testing of geomembrane panels. Part III, Attachment D, Section 5.5.5 has been updated to address this comment, but appears to have left out the word "textured" from the sentence that begins "For HDPE geomembrane." Please address this apparent typographical error.

**RESPONSE:** *The word "textured" has been added as requested in Attachment D7, Section 5.5.5.*

Mr. Steve Odil  
September 24, 2014  
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3. In Part III, Attachment E, Table E-3, clarify that latitude and longitude are presented in units of degrees, minutes, and seconds. There are currently no spaces between the digits, and no symbols. Please correct or explain.

**RESPONSE:** *The degrees, minutes, seconds symbols have been added to Attachment E, Table E-3 as requested.*

4. Comment 16 of the August 1, 2014, NOD letter requested a demonstration in the Site Operating Plan, in accordance with 30 TAC §330.129, that the largest active face may be covered with 6 inches of soil within one hour. The word "replenish" remains in the demonstration, which makes your intention unclear. Based on our discussions, please consider changing "replenish" to "supply" or other appropriate term. Also, it appears that the units for Compactor Capacity on page IV-27 should be cy/load, not cy/hr.

**RESPONSE:** *The word "replenish" has been changed to "supply" in Section 7.1 of the Site Operating Plan as requested.*

We trust these responses are satisfactory to you and meet the rules and regulations of the TCEQ. If you need additional information, please let us know.

Sincerely,

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

Kerry D. Maroney, P.E. – Biggs & Mathews, Inc. (F-834)  
Principal Engineer



Attachments: Responses to September 24, 2014 Request for Clarification

cc: Mr. Ernest Kaufmann, President and Manager of 130 Environmental Park, LLC

**130 ENVIRONMENTAL PARK  
CALDWELL COUNTY, TEXAS  
TCEQ PERMIT APPLICATION NO. MSW 2383**

**TYPE I PERMIT APPLICATION**

**VOLUME 1 OF 5**

Prepared for

**130 ENVIRONMENTAL PARK, LLC**

August 2013  
Revised February 2014  
Revised June 2014  
Revised August 2014

Revised September 2014



Prepared by

Biggs & Mathews, Inc.  
Firm Registration No. F-834

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**TYPE I PERMIT APPLICATION**

**VOLUME 1 OF 5**

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Biggs & Mathews, Inc.  
Firm Registration No. F-834

*K.D. Maroney*  
9/24/14



# Texas Commission on Environmental Quality

## Permit or Registration Application for Municipal Solid Waste Facility

### Part I

#### A. General Information

Facility Name:	130 Environmental Park			
Physical or Street Address (if available):	North of FM 1185 in Caldwell County, between U.S. Highway 183 and Homannville Trail.			
(City) (County)( State)( Zip Code):	Lockhart	Caldwell	TX	78644
(Area Code) Telephone Number:	770-720-2717			
Charter Number:	801836528			

If the application is submitted on behalf of a corporation, provide the Charter Number as recorded with the Office of the Secretary of State for Texas.

Operator Name:	130 Environmental Park, LLC			
Mailing Address:	134 Riverstone Terrace, Suite 203			
(City) (County)( State)( Zip Code):	Canton		GA	30114
(Area Code) Telephone Number:	(770) 720-2717			
(Area Code) FAX Number:	NA			
Charter Number:				

If the permittee is the same as the operator, type "Same as Operator".

Permittee Name:	Same as Operator			
Physical or Street Address (if available):				
(City) (County)( State)( Zip Code):				
(Area Code) Telephone Number:				
Charter Number:				

If the application is submitted by a corporation or by a person residing out of state, the applicant must register an Agent in Service or Agent of Service with the Texas Secretary of State's office and provide a complete mailing address for the agent. The agent must be a Texas resident.

Agent Name:	National Registered Agents, Inc.			
Mailing Address:	1999 Bryan St. Ste. 900			
(City) (County)( State)( Zip Code):	Dallas	Dallas	TX	75201-3136
(Area Code) Telephone Number:	800-862-5438			
(Area Code) FAX Number:	281-286-5902			

#### Application Type:

<input checked="" type="checkbox"/> Permit	<input type="checkbox"/> Major Amendment	<input type="checkbox"/> Minor Amendment
<input type="checkbox"/> Registration	<input type="checkbox"/> Modification	<input type="checkbox"/> Temporary Authorization
	<input checked="" type="checkbox"/> w/Public Notice	
	<input type="checkbox"/> w/out Public Notice	<input checked="" type="checkbox"/> Notice of Deficiency Response

<sup>1</sup> The operator has the duty to submit an application if the facility is owned by one person and operated by another [30 TAC 305.43(b)]. The permit will specify the operator and the owner who is listed on this application [Section 361.087 Texas Health and Safety Code].

Facility Classification:

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

Activities covered by this application (check all that apply):

<input checked="" type="checkbox"/> Storage	<input checked="" type="checkbox"/> Processing	<input checked="" type="checkbox"/> Disposal
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Waste management units covered by this application (check all that apply):

<input type="checkbox"/> Containers	<input type="checkbox"/> Tanks	<input type="checkbox"/> Surface Impoundments	<input checked="" type="checkbox"/> Landfills
<input type="checkbox"/> Incinerators	<input type="checkbox"/> Composting	<input type="checkbox"/> Type IV Demonstration Unit	<input type="checkbox"/> Type IX Energy/Material Recovery
<input type="checkbox"/> Other (Specify)		<input type="checkbox"/> Other (Specify)	
<input type="checkbox"/> Other (Specify)		<input type="checkbox"/> Other (Specify)	

Is this submittal part of a Consolidated Permit Processing request, in accordance with 30 TAC Chapter 33?

☐ Yes ☒ No

If yes, state the other TCEQ program authorizations requested.

Provide a brief description of the portion of the facility covered by this application. For amendments, modifications, and temporary authorizations, provide a brief description of the exact changes to the permit or registration conditions and supporting documents referenced by the permit or registration. Also, provide an explanation of why the amendment, modification, or temporary authorization is requested.

A new Type I Municipal Solid Waste Disposal facility to provide long-term waste disposal capacity for the individuals, businesses, and communities in Caldwell County and surrounding areas.

Does the application contain confidential Material? ☐ Yes ☒ No

If yes, cross-reference the confidential material *throughout the application* and submit as a separate document or binder conspicuously marked "CONFIDENTIAL."

Alternative Language Notice Instructions

For certain permit applications, public notice in an alternate language is required. If an elementary school or middle school nearest to the facility offers a bilingual program, notice may be required to be published in an alternative language. The Texas Education Code, upon which the TCEQ alternative language notice requirements are based, trigger a bilingual education program to apply to an entire school district should the requisite alternative language speaking student population exist. However, there may not exist any bilingual students at a particular school within a district which is required to offer the bilingual education program. For this reason, the requirement to publish notice in an alternative language is triggered if the nearest elementary or middle school, as a part of a larger school district, is required to make a bilingual education program available to qualifying students and either the school has students enrolled at such a program on-site, or has students who attend such a program at another location in satisfaction of the school's obligation to provide such a program as a member of a triggered district.

If it is determined that an alternative language notice is required, the applicant is responsible for ensuring that the publication in the alternate language is complete and accurate in that language. Electronic versions of the Spanish template examples are available from the TCEQ to help the applicant complete the publication in the alternative language.

Signature Page

I, Ernest Kaufmann  
(Operator)

President and Manager of 130 Environmental Park, LLC  
(Title)

I 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: \_\_\_\_\_

Date: 9-24-14

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

I, NA, hereby designate NA  
(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.

NA

Printed or Typed Name of Operator or Principal Executive Officer

NA

Signature

SUBSCRIBED AND SWORN to before me by the said Ernest Kaufmann

On this 24<sup>th</sup> day of September, 2014

My commission expires on the 8<sup>th</sup> day of JANUARY, 2017



Joy Hammonds  
Notary Public, State of Georgia

Cherokee County

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

**130 ENVIRONMENTAL PARK  
CALDWELL COUNTY, TEXAS  
TCEQ PERMIT APPLICATION NO. MSW 2383**

**TYPE I PERMIT APPLICATION**

**VOLUME 2 OF 5**

Prepared for

**130 ENVIRONMENTAL PARK, LLC**

August 2013  
Revised February 2014  
Revised June 2014  
Revised August 2014

Revised September 2014



Prepared by

Biggs & Mathews, Inc.  
Firm Registration No. F-834

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*K.D. Maroney*  
9/24/14

**130 ENVIRONMENTAL PARK  
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CALDWELL COUNTY, TEXAS  
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**TYPE I PERMIT APPLICATION**

**PART III – FACILITY INVESTIGATION AND DESIGN**

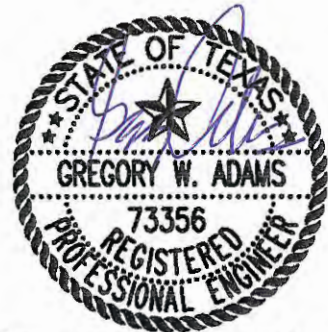
**ATTACHMENT D7  
LINER QUALITY CONTROL PLAN**

Prepared for

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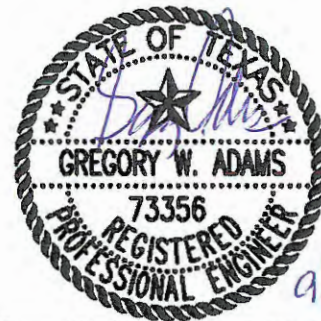
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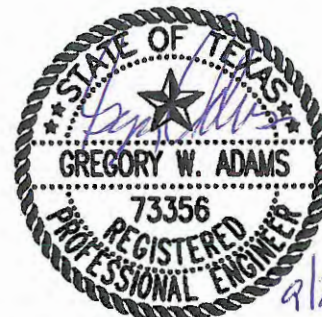


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Biggs & Mathews Environmental, Inc.  
Firm Registration No. F-256

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GRI-GM13

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Liner System Details

**Table D7-6  
130 Environmental Park  
GM Seam Properties**

Test	Standard	Frequency	Minimum Criteria
Shear	ASTM D 4437	One sample per 500 feet of seam	Four of five specimens from each sample must have a shear strength greater than or equal to 95% of sheet strength but not less than 120 ppi. The average shear strength value of all five specimens must be greater than or equal to 95% of sheet strength but not less than 120 ppi.
Peel	ASTM D 4437	One sample per 500 feet of seam	Four of five specimens from each sample must have a peel strength greater than or equal to 62% of sheet strength but not less than 78 ppi. The average peel strength value of all five specimens must be greater than or equal to 62% of sheet strength but not less than 78 ppi. Both sides of dual track seams shall meet the minimum criteria. Each track is considered a separate sample. All specimens shall exhibit Film Tear Bond.

During destructive seam testing, the CQA monitor must:

- Select sample locations and observe sample cutting.
- Assign sample numbers and label samples.
- Observe installer-performed tests.
- Record sample locations, sample number, sample purpose, and field test results.

### **5.5.5 Thickness Verification**

The CQA monitor shall perform thickness verification tests on each panel. A series of five measurements along the leading edge of each panel shall be taken with a micrometer or caliper. Individual measurements shall not be greater than five feet apart. For smooth HDPE geomembrane, the average thickness shall be no less than the nominal thickness of the geomembrane and the minimum thickness shall be no less than 90% of the nominal thickness. For textured HDPE geomembrane, the average thickness shall be no less than 95% of the nominal thickness of the geomembrane and the minimum thickness shall be no less than 85% of the nominal thickness. The CQA monitor shall record panel numbers, panel dimensions, roll numbers destructive test numbers, and repair numbers.

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**PART III FACILITY INVESTIGATION AND DESIGN**

Attachment E – Geology Report

Attachment F – Groundwater Sampling and Analysis Plan



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9/24/14

**130 ENVIRONMENTAL PARK  
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**TYPE I PERMIT APPLICATION**

**PART III – FACILITY INVESTIGATION AND DESIGN**

**ATTACHMENT E  
GEOLOGY REPORT**

Prepared for

**130 ENVIRONMENTAL PARK, LLC**

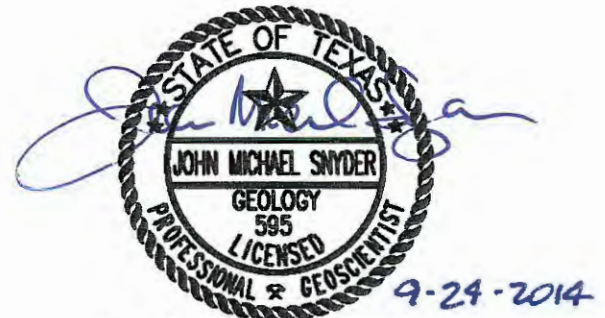
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Biggs & Mathews Environmental, Inc.  
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Sections 2.3, 5.1, and 5.2



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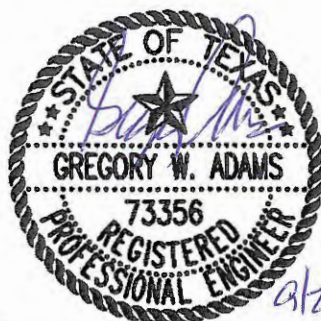
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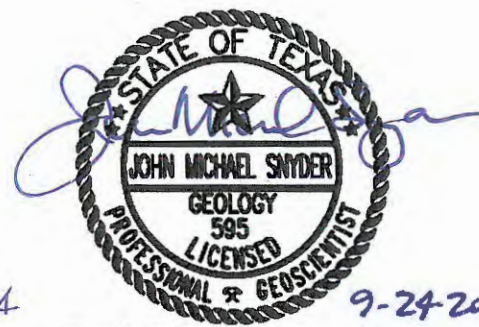
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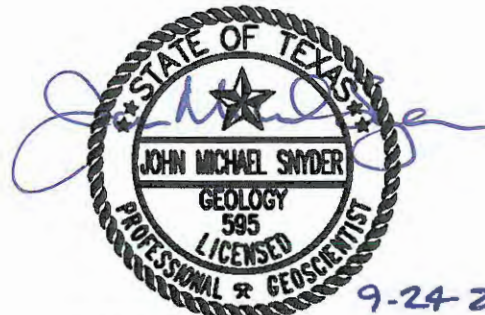
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thick and found at depths ranging from the surface to 950 feet below ground surface (BGS).

An attempt was also made to locate wells visible from nearby roads and streets and confirm water well locations. Within the one-mile radius, no obvious water well production equipment, such as well houses, pump handles, windmills, or pressure tanks was identified from the roadway. However, some residences in this area may have water wells associated with them, especially where no public water supply is available.

A total of five water wells were identified within a one-mile radius of the site (all east or south of the site). The information about each of the wells is summarized in Table E-3.

**Table E-3**  
**130 Environmental Park**  
**Water Wells Within One Mile**

Well ID No.	Depth (ft)	Completion Date	Completion Formation	Well Use	Longitude	Latitude	Source(s)
6703301	20	6/11/1946	Carrizo-Wilcox	Stock	97° 38' 39"	29° 58' 20"	1, 3
6703302	41	1/9/1964	Carrizo-Wilcox	Stock	97° 38' 40"	29° 58' 22"	1, 3
6703305	1855	1948	Not Determined	Unused, was an oil/gas test well	97° 38' 10"	29° 57' 56"	1, 3, 4
6703601	49	4/12/1946	Carrizo-Wilcox	Domestic	97° 38' 43"	29° 57' 25"	1, 3
6703603	26	1925	Carrizo-Wilcox	Domestic	97° 39' 05"	29° 57' 11"	1, 3

Sources:

1. Texas Water Development Board website, WIID database, [www.twdb.state.tx.us](http://www.twdb.state.tx.us)
2. Texas Commission on Environmental Quality website [www.tceq.state.tx.us](http://www.tceq.state.tx.us)
3. Plum Creek Conservation District website [www.pccd.org](http://www.pccd.org)
4. U.S. Geological Society database (URL: [maps.waterdata.usgs.gov/mapper/](http://maps.waterdata.usgs.gov/mapper/))

**130 ENVIRONMENTAL PARK  
CALDWELL COUNTY, TEXAS  
TCEQ PERMIT APPLICATION NO. MSW 2383**

**TYPE I PERMIT APPLICATION**

**VOLUME 5 OF 5**

Prepared for

**130 ENVIRONMENTAL PARK, LLC**

August 2013  
Revised February 2014  
Revised June 2014  
Revised August 2014

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Prepared by

Biggs & Mathews, Inc.  
Firm Registration No. F-834

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**PART IV SITE OPERATING PLAN**



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*K.D. Maroney*  
9/24/14

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### APPENDIX IVC – SPECIES PROTECTION PLAN

- The excavator, haul trucks, and/or scraper operating at the soil stockpile or soil borrow area will provide the required volume of soil to replenish-supply the active working face soil stockpile in one hour. The required volume of soil to be delivered for a 0.5 acre active working face soil stockpile is 468 cy. The production rate for the haul truck and scraper is based on an average of 12 mph. The achievable production rates for each are as follows:
  - Excavator Capacity (3 cy/load) x Production Rate (240 load/hr)  
= Material Rate (720 cy/hr)
  - Haul Trucks Capacity (16 cy/load) x Production Rate (30 load/hr)  
= Material Rate (480 cy/hr)
  - Scraper Capacity (20 cy/load) x Production Rate (30 load/hr)  
= Material Rate (600cy/hr)
- A separate soil stockpile of at least 60 cy will be maintained adjacent to the RACM disposal area only on days when RACM is being accepted. This stockpile will cover the 50-foot by 50-foot maximum disposal area with 6-inches of soil in one hour.
- A separate soil stockpile of at least 468 cy of soil will be maintained adjacent to the non-inert reusable materials staging area. This stockpile will cover the 0.5-acre maximum non-inert materials stockpile area with 6-inches of soil in one hour.
- A separate soil stockpile of at least 275 cy of soil will be maintained adjacent to the wood waste processing area. This stockpile will cover the 125-feet by 100-feet wood waste processing area with 6-inches of soil in one hour.
- Dedicated fire extinguishers will be located at the citizen's convenience center.