



6420 SOUTHWEST BLVD, SUITE 206
FORT WORTH, TEXAS 76109
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Chicago, IL
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Denver, CO
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Clermont, FL
Grand Rapids, MI
Portland, OR

December 19, 2012
Project No. 0628-001-52-02-01

Christine M. Bergren
MC 124
Section Manager
Municipal Solid Waste Permits Section
Texas Commission on Environmental Quality
12100 Park 35 Circle, Bldg. F
Austin, Texas 78753

Re: Permit Modification/Landfill Gas Remediation Plan
Landfill Gas System Upgrades
City of Grand Prairie Landfill - TCEQ MSW Permit No. 996C
Dallas County, Texas

Dear Ms. Bergren:

The purpose of this Permit Modification/Landfill Gas Remediation Plan, submitted on behalf of our client, the City of Grand Prairie (City), is to modify the site's existing Attachment 14 – Landfill Gas Management Plan (LGMP) to incorporate upgrades of the facility's existing landfill gas (LFG) collection and control system (GCCS). The purpose of these GCCS upgrades is to mitigate LFG migration in the vicinity of perimeter gas monitoring probe GMP(R)-12 and to improve LFG collection in the vicinity of groundwater monitoring well MW-9 to mitigate potential gas-related groundwater impacts. This permit modification is being submitted as a public notice permit modification in accordance with Title 30 of the Texas Administrative Code (30 TAC), §305.70(k)(3).

Additional/replacement pages for the site's LGMP are included in Attachment 1. The following summarizes the changes made to the existing LGMP:

- The second cover page has been updated to reflect the revision date of December 2012.
- Page 14-ii in the Table of Contents was revised to update the page number for Section 6.5.
- Section 6.2 was expanded to describe the proposed 2013 GCCS Upgrades.

- An updated existing site plan, along with a drawing of the proposed 2013 GCCS upgrades, was added to Appendix 14A. The replacement/additional drawings include:
 - Drawing 14A-5: Existing GCCS Plan [Updated]
 - Drawing 14A-6D: 2013 GCCS Upgrades [Added]

Proposed Remediation Plan

LFG Extraction Wells

As shown on Drawing 14A-6D, the proposed GCCS upgrades will include ten redrilled wells to replace collapsed wells in the vicinity of GMP(R)-12 and MW-9. These additional LFG extraction wells will relieve pressure build up within the landfill. The elevated LFG pressures are due to waste decomposition and are the driving force for LFG migration. Each LFG extraction well will be installed in vertical borings drilled into the waste as shown on Drawing 14A-3 of the approved LGMP.

Collection Piping

Each LFG extraction well will be fitted with a wellhead valve assembly. The wellhead will be equipped with an adjustment valve to regulate the applied vacuum and flow of LFG. The wellhead will also be equipped with monitoring ports to enable the system operator to measure gas composition, pressure, flow rate, and temperature. The wellheads will be connected to lateral piping, which will convey the flow of LFG into the main header pipe or selected low points.

Condensate Management

The GCCS piping will be graded to enable LFG condensate to gravity drain into the existing GCCS. The condensate generated in the existing GCCS previously approved by the TCEQ drains into existing condensate sumps. The condensate generated from the new LFG extraction wells will be disposed of along with rest of the condensate and the leachate from the landfill.

System Operations

Once the GCCS upgrades have been installed, operation and monitoring of the new LFG extraction wells will be initiated. The upgraded system will be routinely monitored at each of the wellheads and the flare station. During the initial startup of the upgraded

Ms. Christine Bergren
December 19, 2012
Page 3

system, frequent monitoring and adjustments to the wells will be required. The perimeter gas probe monitoring data will continue to be assessed to determine how effectively the GCCS is mitigating the LFG migration.

Once the system is balanced, operational activities for the GCCS will include periodic system monitoring and maintenance. Monitoring and necessary adjustments will continue to be made to the LFG extraction wells to maintain optimum performance.

Schedule/Monitoring

As the GCCS upgrades are being installed for remediation purposes, the City is making preparations for the system installation. Contract award and construction commencement is anticipated during the first or second quarter of 2013.

It could take several months for the upgraded GCCS to achieve steady-state operating conditions and effectively mitigate LFG migration. The City will continue to monitor the affected LFG perimeter probe GMP(R)-12 monthly until the monitoring data indicates methane levels at the affected probes are below the regulatory limit (5 percent methane by volume in air) for six consecutive months. At that time, the City will submit a written request along with the LFG monitoring report to the TCEQ requesting that the frequency of LFG perimeter probe monitoring return to quarterly. The LFG monitoring results will be submitted to the TCEQ each month. However, if methane levels in the probe remain above the regulatory limit for 6 months after installation, the City will contact the TCEQ to discuss further remediation options.

Permit Modification Justification

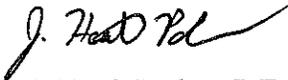
The City understands the importance of maintaining effective environmental controls at the landfill. The primary purpose of the upgrades to the existing GCCS is to further remediate LFG migration at the site. As such, please process this permit modification request per 30 TAC §305.70(k)(3). It is our understanding that public notice will be required for this permit modification. Please note that a surrounding landowners map, along with a list of the property owners' names and addresses, is included in Attachment 2. In addition, an applicant certification consistent with 30 TAC §305.70(f) and §305.44 is included on Page 10 of the Part I Form in Attachment 3. In accordance with Title 30 TAC §330.59(h)(1), a \$150.00 application fee has been submitted to the TCEQ as documented on Page 8 of the Part I Form in Attachment 3. This application will be posted on the internet at (<http://www.gptx.org/index.aspx?page=124>) consistent with Title 30 TAC §330.57(i)(1).

Ms. Christine Bergren
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Page 4

One original and one copy of the permit modification are provided for your use and distribution. To facilitate your review, we have included copies of the LGMP revisions in both a clean and redline/strikeout format. In addition, one copy of this permit modification has been provided to the appropriate regional office. A copy of this submittal was also placed in the site operating record

If you have any questions or comments regarding this submittal, please do not hesitate to contact us.

Sincerely,
Weaver Boos Consultants, LLC-Southwest



J. Heath Parker, P.E.
Project Engineer

Attachments: Attachment 1 – Attachment 14 Revisions Pages
Attachment 2 – Landowners List and Map
Attachment 3 – TECQ Permit Application Part I Form
Attachment 4 – Attachment 14 Revisions Pages (Redline/Strikeout Format)

cc: TCEQ Region 4 Office
Patricia Redfearn, City of Grand Prairie
Rose Chavez, City of Grand Prairie
Dusty Wilson, City of Grand Prairie

ATTACHMENT 1
ATTACHMENT 14 REVISION PAGES

**CITY OF GRAND PRAIRIE LANDFILL
DALLAS COUNTY, TEXAS
TCEQ PERMIT APPLICATION NO. MSW-996C**

**PART III – SITE DEVELOPMENT PLAN
ATTACHMENT 14
LANDFILL GAS MANAGEMENT PLAN**

PERMIT MODIFICATIONS

Revised June 2009
Revised December 2009
Revised February 2012

Revised December 2012

Prepared by

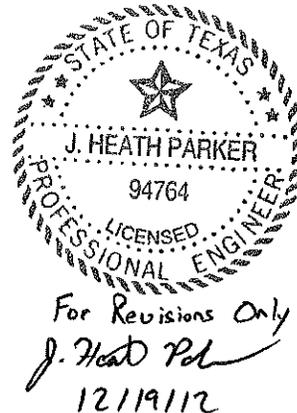
Weaver Boos Consultants, LLC–Southwest
TBPE Registration No. F-3727
6420 Southwest Blvd., Suite 206
Fort Worth, Texas 76109
817-735-9770



J. Heath Parker
12/19/12

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Weaver Boos Consultants, LLC--Southwest

TBPE Firm Registration No. F-3727

Rev. 0, 3/24/2006
Rev. 1, 3/27/2007
Rev. 2, 10/2/2009
Rev. 3, 02/27/2012
Rev. 4, 12/18/2012
Attachment 14

6.2.4 2012 GCCS Expansion

The proposed 2012 GCCS Expansion includes the installation of seven additional LFG extraction wells, the abandonment and redrill of seven LFG extraction wells (EW-28, EW-29, EW-30, EW-31, EW-32, EW-49, and EW-50), and related piping as shown on Drawing 14A-6C.

6.2.5 2013 GCCS Upgrades

The proposed 2013 GCCS Upgrades include the abandonment and redrill of ten LFG extraction wells (EW-11, EW-14, EW-15, EW-44, EW-46, EW-47, EW-52, EW-53, EW-54, and EW-63), and related piping as shown on Drawing 14A-6D.

6.3 GCCS Expansion for Vertical Expansion

The proposed vertical expansion for the City of Grand Prairie Landfill consists of an overlay of additional waste placed over a portion of the existing landfill footprint. As the expansion is developed, additional vertical wells will be incrementally installed to provide LFG collection and control from the additional waste materials. As the landfill develops and waste placement approaches the existing wells, the well will either be extended vertically, or the valve will be relocated horizontally to a location that is outside of the waste fill or the well will be redrilled after waste filling is completed. The locations of the proposed extraction wells are shown on Drawing 14A-2. The collection points will be connected to the existing GCCS for discharge to the existing LFG flare facility.

6.4 Future LFG Control Capacity

Using the EPA Landfill Gas Emissions Model, it is estimated that the site will generate a maximum of approximately 2,740 standard cubic feet per minute (scfm) of LFG (Appendix 14D). As such, additional collection and control equipment will be installed to provide the vacuum and capacity needed to handle the predicted maximum design flow rate of the GCCS. The City of Grand Prairie LFG flare currently operates under Standard Air Permit No. 43841 issued by the TCEQ in April 2000. Future expansions of the control equipment by the City of Grand Prairie Landfill, which may increase site emissions, will be performed following TCEQ approval of the appropriate air authorization.

6.5 GCCS Operation and Maintenance

The City of Grand Prairie Landfill currently has an NMOC emission rate of less than 50 megagrams per year. As such, the site is not currently subject to the EG requirements for the operation and maintenance of the GCCS. The City of Grand Prairie Landfill will however continue to follow current industry accepted guidelines and practices for the

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TBPE Firm Registration No. F-3727

Rev. 0, 3/24/2006

Rev. 1, 3/27/2007

Rev. 2, 10/2/2009

Rev. 3, 02/27/2012

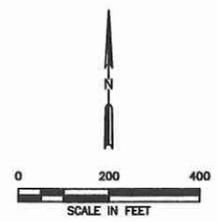
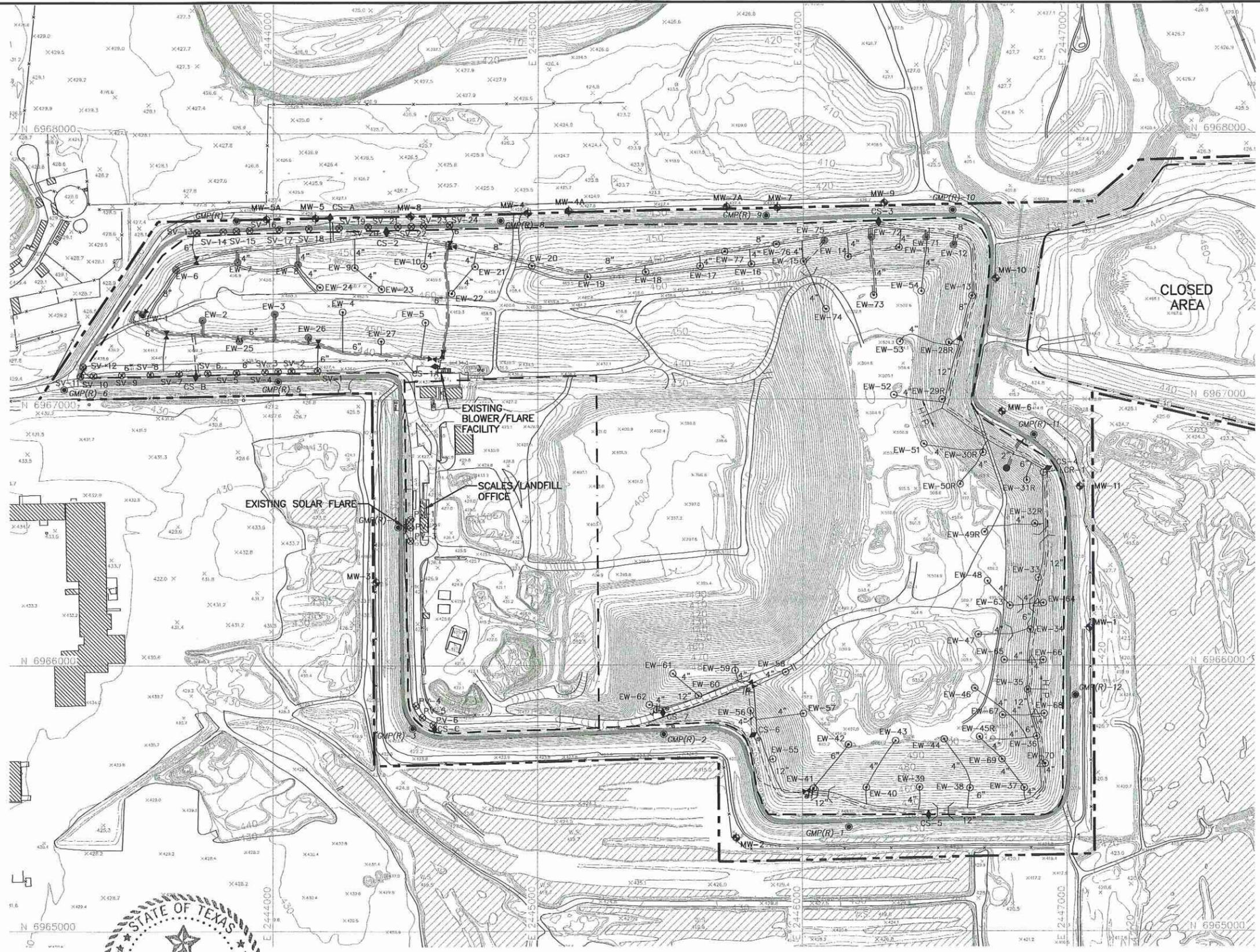
Rev. 4, 12/18/2012

Attachment 14

system operation and maintenance, as well as any requirements stipulated under currently issued TCEQ air authorizations.

6.6 Soil Vapor Extraction System

In order to provide additional controls for limiting LFG migration, soil vapor extraction (SVE) wells will be installed in selected areas where gas migration is evident. The SVE wells will be installed in vertical borings drilled between the limits of waste and affected probes and corrective action groundwater monitoring wells. SVE well depths will be based on the depth of the adjacent probes. Each SVE well will be equipped with a wellhead similar to those installed on the LFG extraction wells. A typical detail for an SVE well can be found on Drawing 14A-7.



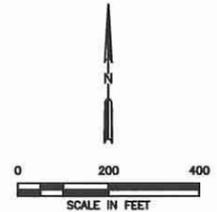
- LEGEND**
- APPROXIMATE PERMIT BOUNDARY
 - - - PERMITTED WASTE FOOTPRINT
 - - - APPROXIMATE LIMIT OF EXISTING WASTE FOOTPRINT
 - 450 EXISTING CONTOUR
 - N 6968000 STATE PLANE COORDINATE
 - █ FLOOD CONTROL BERM
 - GMP(R)-9 EXISTING LFG MONITORING PROBE
 - ⊕ MW-5 EXISTING GROUNDWATER MONITORING WELL
 - ⊙ EW-11 EXISTING LFG EXTRACTION WELL
 - ⊙ EW-7 EXISTING LIQUID/GAS EXTRACTION WELL
 - ⊗ SV-11/PV-1 EXISTING SVE WELL
 - ⊙ LCR-1 EXISTING LCR CONNECTION
 - EXISTING VERTICAL LEACHATE RISER
 - EXISTING LFG COLLECTION PIPING
 - EXISTING ISOLATION VALVE
 - ◆ CS-5 EXISTING CONDENSATE SUMP
 - ||- EXISTING BLIND FLANGE
 - △ EXISTING REMOTE WELLHEAD
 - ⌋ EXISTING ROAD CROSSING
 - - - EXISTING CONDENSATE FORCEMAIN
 - - - EXISTING COMPRESSED AIR PIPING
 - - - EXISTING ELECTRICAL LINE

- NOTES:**
- EXISTING CONTOURS AND ELEVATIONS PROVIDED BY METROPOLITAN AERIAL SURVEYS FROM AERIAL PHOTOGRAPHY FLOWN 9-28-11. THE GRID SYSTEM IS TIED TO THE TEXAS STATE PLANE COORDINATE SYSTEM NORTH CENTRAL ZONE NAD 1983.
 - PERMIT BOUNDARY WAS PROVIDED BY MARTIN SURVEY ASSOCIATES IN OCTOBER OF 2003.



<input type="checkbox"/> DRAFT <input checked="" type="checkbox"/> FOR PERMITTING PURPOSES ONLY <input type="checkbox"/> ISSUED FOR CONSTRUCTION <input type="checkbox"/> CLIENT APPROVAL BY:	PREPARED FOR		CITY OF GRAND PRAIRIE PERMIT MODIFICATION EXISTING GCCS PLAN CITY OF GRAND PRAIRIE LANDFILL DALLAS COUNTY, TEXAS <i>Weaver Boos Consultants</i> TBPE REGISTRATION NO. F-3727									
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LEGEND

- APPROXIMATE PERMIT BOUNDARY
- PERMITTED WASTE FOOTPRINT
- APPROXIMATE LIMIT OF EXISTING WASTE FOOTPRINT
- EXISTING CONTOUR
- STATE PLANE COORDINATE
- FLOOD CONTROL BERM
- GMP(R)-9 EXISTING LFG MONITORING PROBE
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- EXISTING LFG COLLECTION PIPING
- EXISTING ISOLATION VALVE
- CS-5 EXISTING CONDENSATE SUMP
- EXISTING BLIND FLANGE
- EXISTING REMOTE WELLHEAD
- EXISTING ROAD CROSSING
- EXISTING CONDENSATE FORCEMAIN
- EXISTING COMPRESSED AIR PIPING
- EXISTING ELECTRICAL LINE
- EW-53R PROPOSED LFG EXTRACTION WELL
- EW-53R PROPOSED LFG COLLECTION PIPING
- EW-53 EXISTING LFG EXTRACTION WELL (TO BE ABANDONED)



- NOTES:**
1. EXISTING CONTOURS AND ELEVATIONS PROVIDED BY METROPOLITAN AERIAL SURVEYS FROM AERIAL PHOTOGRAPHY FLOWN 9-28-11. THE GRID SYSTEM IS TIED TO THE TEXAS STATE PLANE COORDINATE SYSTEM NORTH CENTRAL ZONE NAD 1983.
 2. PERMIT BOUNDARY WAS PROVIDED BY MARTIN SURVEY ASSOCIATES IN OCTOBER OF 2003.
 3. THE PROPOSED LANDFILL GAS SYSTEM COMPONENT LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS AT THE TIME OF CONSTRUCTION.

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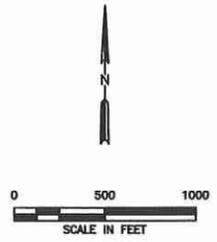
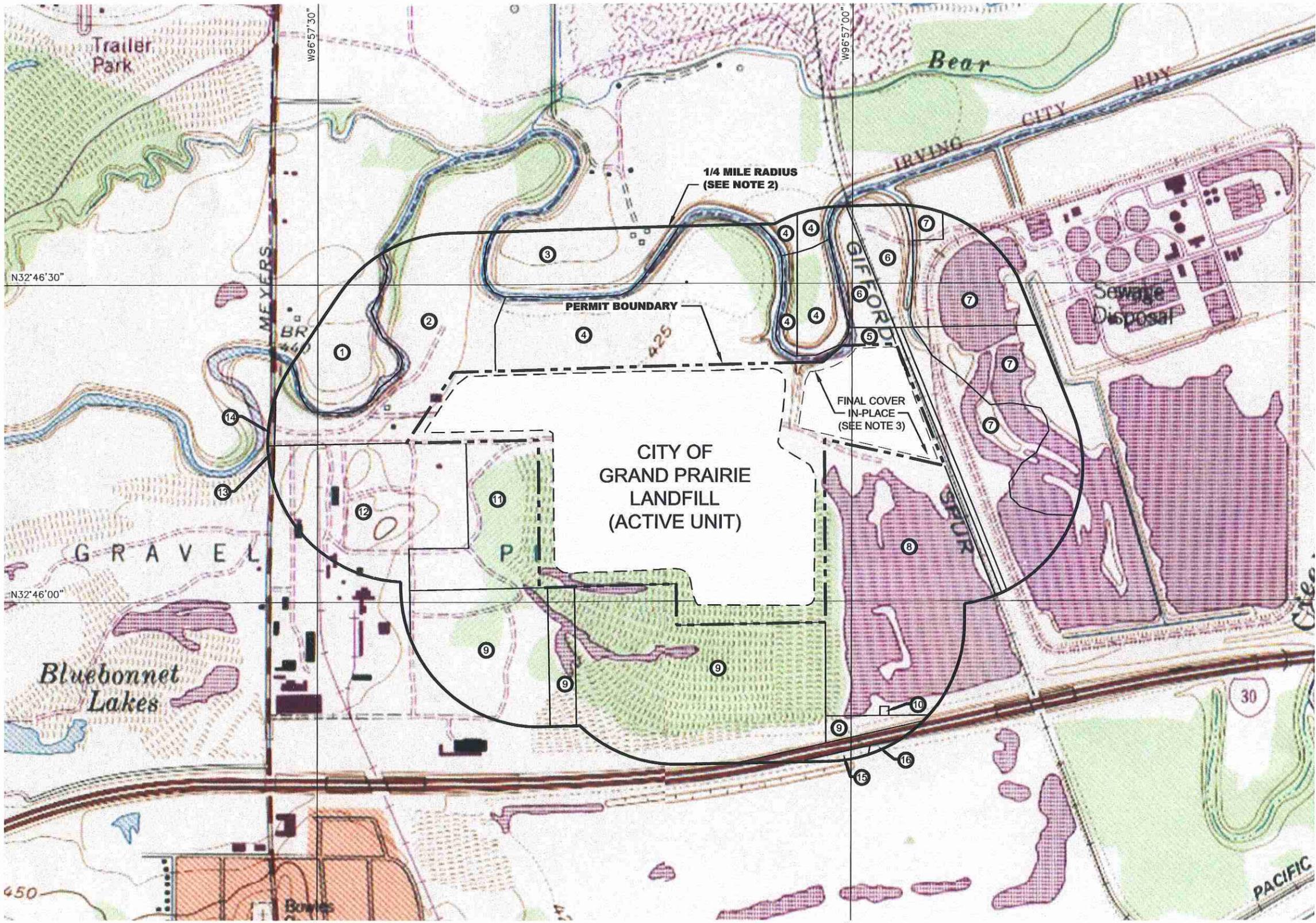
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ATTACHMENT 2
LANDOWNERS LIST AND MAP

PROPERTY OWNERS AND MINERAL RIGHTS OWNER'S LIST*

- | | | | |
|----|---|-----|--|
| 1. | AL NAYEM INTERNATIONAL
2696 DOWDY FERRY RD
DALLAS, TEXAS 75217-8635 | 9. | CORNERSTONE C & M INC
C/O PROPERTY TAX DEPT
8505 FREEPORT PKWY STE 500
IRVING, TEXAS 75063-2591 |
| 2. | BEAZER WEST INC
PO BOX 190999
DALLAS, TEXAS 75219-0999 | 10. | CLEAR CHANNEL OUTDOOR INC
3700 E RANDOL MILL RD
ARLINGTON, TEXAS 76011-5435 |
| 3. | PLATTNER HERMAN H ETAL
SUITE 100-711
25 HIGHLAND PARK VLG
DALLAS, TEXAS 75205-2789 | 11. | GIFFORD HILL AMER INC
1003 MACARTHUR BLVD
GRAND PRAIRIE, TEXAS 75050-7943 |
| 4. | GRAND PRAIRIE CITY OF
317 COLLEGE ST
GRAND PRAIRIE,
TEXAS 75050-5636 | 12. | GIFFORD HILL AMER CO
PO BOX 569470
DALLAS, TEXAS 75356-9470 |
| 5. | BEAZER WEST INC
C/O LAND DEPT
2515 MCKINNEY AVE FL 10
DALLAS, TEXAS 75201-1908 | 13. | EQUITABLE INVESTMENTS INC
C/O G L HARRIS
8320 MEADOWBROOK DR
FORT WORTH, TEXAS 76120-5321 |
| 6. | TRINITY RIVER AUTHORITY OF
TEXAS
5300 S COLLINS ST
ARLINGTON, TEXAS 76018-1710 | 14. | GRIFFIN JULES P ET AL
C/O DOROTHY DARBY
501 MURL DR
IRVING, TEXAS 75062-8008 |
| 7. | TRINITY RIVER AUTHORITY
PO BOX 60
ARLINGTON, TEXAS 76004-0060 | 15. | MACK INTERMEDIARY LLC
PO BOX 2867
LONGVIEW, TEXAS 75606-2867 |
| 8. | W HALL REALTY DEV LLC
C/O WALLACE L HALL JR
5956 SHERRY LN STE 1810
DALLAS, TEXAS 75225-8029 | 16. | SOUTH IH 30 LTD
ATTN JAMES E SOWELL
1601 ELM ST STE 300
DALLAS, TEXAS 75201-7277 |

* In accordance with 330.59(c)(3), the availability of mineral ownership beneath the facility has been investigated. Based on conversations with the Dallas Appraisal District, their records do not include mineral ownership.



DUNCANVILLE, TEX.
N3237.5-W9652.5/7.5
1959
PHOTOREVISED 1981
DMA 6649 IV SW-SERIES V882

IRVING, TEX.
SW4 CARROLLTON 13 QUADRANGLE
N3245-W9652.5/7.5
1959
PHOTOREVISED 1981
DMA 6649 IV SW-SERIES V882

ROAD CLASSIFICATION

Heavy-duty Light-duty
Medium-duty Unimproved dirt

Interstate Route U.S. Route State Route

LEGEND

--- PERMIT BOUNDARY
- - - LIMITS OF WASTE

- NOTES:**
1. ① REFERS TO LANDOWNERS LISTED ON PROPERTY OWNER'S AND MINERAL RIGHTS OWNER'S LIST.
 2. THIS LINE REPRESENTS A 1/4 MILE DISTANCE FROM THE LIMIT OF THE PERMIT BOUNDARY.
 3. FINAL COVER WAS CONSTRUCTED ON THIS UNIT PRIOR TO 1994.
 4. PROPERTY OWNER'S LIST IS BASED ON INFORMATION OBTAINED FROM THE DALLAS CENTRAL APPRAISAL DISTRICT AND THE CITY OF GRAND PRAIRIE GEOGRAPHIC INFORMATION SYSTEMS (GIS) DEPARTMENT (SEPTEMBER 2009).

STATE OF TEXAS
J. HEATH PARKER
94764
LICENSED PROFESSIONAL ENGINEER
J. Heath Parker
12/19/12

G:\0628\2013 LFQ\LFQ PERMIT MOD (12-12)\2-1 LANDOWNERS MAP.dwg, 12/19/2012 11:15:39 AM, r sellers, 1:2

<input type="checkbox"/> DRAFT <input checked="" type="checkbox"/> FOR PERMITTING PURPOSES ONLY <input type="checkbox"/> ISSUED FOR CONSTRUCTION <input type="checkbox"/> CLIENT APPROVAL BY:	PREPARED FOR CITY OF GRAND PRAIRIE	PERMIT MODIFICATION LAND OWNERSHIP MAP CITY OF GRAND PRAIRIE LANDFILL DALLAS COUNTY, TEXAS <i>Weaver Boos Consultants</i> TBPE REGISTRATION NO. F-3727											
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ATTACHMENT 3
TCEQ PERMIT APPLICATION PART I FORM



Texas Commission on Environmental Quality

Permit or Registration Application for Municipal Solid Waste Facility

Part I

A. General Information

Facility Name:	City of Grand Prairie Landfill			
Physical or Street Address (if available):	1102 Macarthur Boulevard			
(City) (County)(State)(Zip Code):	Grand Prairie	Dallas	TX	75053
(Area Code) Telephone Number:	(972) 237-4550			
Charter Number:				

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 ¹ :	City of Grand Prairie			
Mailing Address:	1102 Macarthur Boulevard			
(City) (County)(State)(Zip Code):	Grand Prairie	Dallas	TX	75053
(Area Code) Telephone Number:	(972) 237-4550			
(Area Code) FAX Number:	(817) 563-1224			
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:	Patricia Redfearn			
Mailing Address:	1102 Macarthur Boulevard			
(City) (County)(State)(Zip Code):	Grand Prairie	Dallas	TX	75053
(Area Code) Telephone Number:	(972) 237-8147			
(Area Code) FAX Number:	(817) 563-1224			

Application Type:

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

¹ 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 type="checkbox"/> Storage	<input type="checkbox"/> Processing	<input checked="" type="checkbox"/> Disposal
----------------------------------	-------------------------------------	--

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.

The purpose of this permit modification is to modify the site's existing Attachment 14-Landfill Gas Management Plan (LGMP) to incorporate the proposed upgrades of the facility's existing landfill gas collection and control system (GCCS). This permit modification is necessary to remediate elevated methane concentrations in gas probe GMP(R)-12

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.

Alternative Language Notice Application Form:

Alternative language notice confirmation for this application:

- 1. Is a bilingual program required by the Texas Education Code in the school district where the facility is located? YES NO

(If NO, alternative language notice publication not required)

- 2. If YES to question 1, are students enrolled in a bilingual education program at either the elementary school or the middle school nearest to the facility? YES NO

(If YES to questions 1 and 2, alternative language publication is required; If NO to question 2, then consider the next question)

- 3. If YES to question 1, are there students enrolled at either the elementary school or the middle school nearest to the facility who attend a bilingual education program at another location? YES NO

(If Yes to questions 1 and 3, alternative language publication is required; If NO to question 3, then consider the next question)

- 4. If YES to question 1, would either the elementary school or the middle school nearest to the facility be required to provide a bilingual education program but for the fact that it secured a waiver from this requirement, as available under 19 TAC '89.1205(g)? YES NO

(If Yes to questions 1 and 4, alternative language publication is required; If NO to question 4, alternative language notice publication not required)

If a bilingual education program(s) is provided by either the elementary school or the middle school nearest to the facility, which language(s) is required by the bilingual program?

Note: Applicants for new permits and major amendments must make a copy of the administratively complete application available at a public place in the county where the facility is, or will be, located for review and copying by the public.

Public place where administratively complete permit application will be located.			
Public Place (e.g., public library, county court house, city hall, etc.):	Not Applicable		
Mailing Address:			
(City) (County) (State) (Zip Code):			
(Area Code) Telephone Number:			

B. Facility Location (Not Applicable)

Except for Type I AE and Type IV AE landfill facilities, for permits, registrations, amendments, and modifications requiring public notice, provide the URL address of a publicly accessible internet web site where the application and all revisions to that application will be posted.
<http://www.gptx.org/index.aspx?page=124>

Local Government Jurisdiction:	
Within City Limits of:	
Within Extraterritorial Jurisdiction of City of:	
Is the proposed municipal or industrial solid waste disposal or processing facility located in an area in which the governing body of the municipality or county has prohibited the disposal or processing of municipal or industrial solid waste? (If YES, provide a copy of the ordinance or order):	
<input type="checkbox"/> YES <input type="checkbox"/> NO	

Provide a description of the location of the facility with respect to known or easily identifiable landmarks.
 Not Applicable

Detail the access routes from the nearest United States or state highway to the facility.
 Not Applicable

Provide the latitudinal and longitudinal geographic coordinates of the facility.

Latitude	
Longitude	
Elevation (above msl)	

Is the facility within the Coastal Management Program boundary? Yes No

Texas Department of Transportation District Location:

TXDOT District Name & Number:	Not Applicable		
District Engineer's Name:			
Street or P. O. Box:			
(City) (County)(State)(Zip Code):			
(Area Code) Telephone Number:			
(Area Code) FAX Number:			

The local governmental authority or agency responsible for road maintenance:

Agency Name	Not Applicable		
Contact Person's Name:			
Street or P. O. Box:			
(City) (County)(State)(Zip Code):			
(Area Code) Telephone Number:			
(Area Code) FAX Number:			

State Representative:

District Number:	Not Applicable		
State Representative's Name:			
District Office Address:			
(City) (County)(State)(Zip Code):			
(Area Code) Telephone Number:			
(Area Code) FAX Number:			

State Senator:

District Number:	Not Applicable		
State Senator's Name:			
District Office Address:			
(City) (County)(State)(Zip Code):			
(Area Code) Telephone Number:			
(Area Code) FAX Number:			

Council of Government (COG) Information:

COG Name:	Not Applicable		
COG Representative's Name:			
COG Representative's Title:			
Street or P. O. Box:			
(City) (County)(State)(Zip Code):			
(Area Code) Telephone Number:			
(Area Code) FAX Number:			

River Basin Information:

River Authority:	Not Applicable		
Contact Person's Name:			
Watershed Sub-Basin Name:			
Street or P. O. Box:			
(City) (County)(State)(Zip Code):			
(Area Code) Telephone Number:			
(Area Code) FAX Number:			

This site is located in the following District of the U.S. Army Corps of Engineers:			
<input type="checkbox"/> Albuquerque, NM	<input type="checkbox"/> Ft. Worth, TX	<input type="checkbox"/> Galveston, TX	<input type="checkbox"/> Tulsa, OK

C. Maps (Not Applicable)

General

For permits, registrations, and amendments only, submit a topographic map, ownership map, county highway map, or a map prepared by a registered professional engineer or a registered surveyor which shows the facility and each of its intake and discharge structures and any other structure or location regarding the regulated facility and associated activities. Maps must be of material suitable for a permanent record, and shall be on sheets 8-1/2 inches by 14 inches or folded to that size, and shall be on a scale of not less than one inch equals one mile. The map shall depict the approximate boundaries of the tract of land owned or to be used by the applicant and shall extend at least one mile beyond the tract boundaries sufficient to show the following:

each well, spring, and surface water body or other water in the state within the map area;

the general character of the areas adjacent to the facility, including public roads, towns and the nature of development of adjacent lands such as residential, commercial, agricultural, recreational, undeveloped, etc;

the location of any waste disposal activities conducted on the tract not included in the application; and

the ownership of tracts of land adjacent to the facility and within a reasonable distance from the proposed point or points of discharge, deposit, injection, or other place of disposal or activity.

General location maps

For permits, registrations, and amendments only, submit at least one general location map at a scale of one-half inch equals one mile. This map shall be all or a portion of a county map prepared by Texas Department of Transportation (TxDOT). If TxDOT publishes more detailed maps of the proposed facility area, the more detailed maps shall also be included in Part I. Use the latest revision of all maps.

Land ownership map

Provide a map that locates the property owned by adjacent and potentially affected landowners. The maps should show all property ownership within 1/4 mile of the facility, on-site facility easement holders, and all mineral interest ownership under the facility.

Landowners list

Provide the adjacent and potentially affected landowners' list, keyed to the land ownership map with each property owner's name and mailing address. The list shall include all property owners within 1/4 mile of the facility, easement holders, and all mineral interest ownership under the facility. Provide the property, easement holders', and mineral interest owners' names and mailing addresses derived from the real property appraisal records as listed on the date that the application is filed. Provide the list in electronic form, as well.

D. Property owner information (Not Applicable)

For permits, registrations, amendments, and modifications that change the legal description, a change in owner, or a change in operator only, provide the following:

(1) the legal description of the facility;

- (A) the abstract number as maintained by the Texas General Land Office for the surveyed tract of land;
- (B) the legal description of the property and the county, book, and page number or other generally accepted identifying reference of the current ownership record;
- (C) for property that is platted, the county, book, and page number or other generally accepted identifying reference of the final plat record that includes the acreage encompassed in the application and a copy of the final plat, in addition to a written legal description;
- (D) a boundary metes and bounds description of the facility signed and sealed by a registered professional land surveyor;
- (E) on-site easements at the facility, and
- (F) drawings of the boundary metes and bounds description; and

(2) a property owner affidavit signed by the owner.

E. Legal authority (Not Applicable)

Provide verification of the legal status of the owner and operator, such as a one-page certificate of incorporation issued by the secretary of state. List all persons having over a 20% ownership in the proposed facility.

Indicate Ownership status of the facility:									
<input type="checkbox"/>	Private	<input type="checkbox"/>	Corporation	<input type="checkbox"/>	Partnership	<input type="checkbox"/>	Proprietorship	<input type="checkbox"/>	Non-Profit Organization
<input type="checkbox"/>	Public	<input type="checkbox"/>	Federal	<input type="checkbox"/>	Military	<input type="checkbox"/>	State	<input type="checkbox"/>	Regional
<input type="checkbox"/>	County	<input type="checkbox"/>	Municipal	<input type="checkbox"/>	Other (Specify)				

Does the operator own the facility units and the facility property?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
---	------------------------------	-----------------------------

If "No," for permits, registrations, amendments, and modifications that changes the legal description, a change in owner, or a change in operators submit a copy of the lease for the use of or the option to buy the facility units or facility property, as appropriate, and identify:

Owner Name:	Not Applicable
Street or P. O. Box:	
(City) (County)(State)(Zip Code):	
(Area Code) Telephone Number:	
(Area Code) FAX Number:	
Charter Number:	

F. Evidence of competency (Not Applicable)

For permits, registrations, amendments, and modifications that change the legal description, a change in owner, or a change in operators submit a list of all Texas solid waste sites that the owner and operator have owned or operated within the last ten years.

Site Name	Site Type	Permit/Reg. No.	County	Dates of Operation
Not Applicable				

Submit a list of all solid waste sites in all states, territories, or countries in which the owner and operator have a direct financial interest.

Site Name	Location	Dates of Operation	Regulatory Agency (Name & Address)
Not Applicable			

A licensed solid waste facility supervisor, as defined in 30 TAC Chapter 30, Occupational Licenses and Registrations will be employed before commencing facility operation.

Provide the names of the principals and supervisors of the owner's and operator's organization, together with previous affiliations with other organizations engaged in solid waste activities.

Name	Previous Affiliation	Other Organization
Not Applicable		

For landfill permit applications only, evidence of competency to operate the facility shall also include landfilling and earthmoving experience if applicable, and other pertinent experience, or licenses as described in 30 TAC Chapter 30 possessed by key personnel. The number and size of each type of equipment to be dedicated to facility operation will be specified in greater detail on Part IV of the application within the site operating plan.

Landfilling/Earthmoving Equipment Types	Personnel Experience or Licenses
Not Applicable	

For mobile liquid waste processing units, submit a list of all solid waste, liquid waste, or mobile waste units that the owner and operator have owned or operated within the past five years. Submit a list of any final enforcement orders, court judgments, consent decrees, and criminal convictions of this state and the federal government within the last five years relating to compliance with applicable legal requirements relating to the handling of solid or liquid waste under the jurisdiction of the commission or the United States Environmental Protection Agency. Applicable legal requirement means an environmental law, regulation, permit, order, consent decree, or other requirement.

Solid waste, liquid waste, or mobile waste units owned or operated within past 5 years	Texas and federal final enforcement orders, court judgments, consent decrees, and criminal convictions
Not Applicable	

G. Appointments (Not Applicable)

Provide documentation that the person signing the application meets the requirements of 30 TAC §305.44, Signatories to Applications. If the authority has been delegated, provide a copy of the document issued by the governing body of the owner or operator authorizing the person that signed the application to act as agent for the owner or operator.

H. Application Fees

For a new permit, registration, amendment, modification, or temporary authorization, submit a \$150 application fee.

For authorization to construct an enclosed structure over an old, closed municipal solid waste landfill in accordance with 30 TAC 330 Subchapter T, submit a \$2,500 application fee.

If paying by check, send payment to:

Texas Commission on Environmental Quality
 Financial Administration Division, MC 214
 P. O. Box 13087
 Austin, Texas 78711-3087

Payment maybe made online using TCEQ e-pay at www.tceq.state.tx.us/e-services/	
E-pay confirmation number	582EA000132369

PROPERTY OWNER AFFIDAVIT (NOT APPLICABLE)

"I, _____,
(property owner)

acknowledge that the State of Texas may hold me either jointly or severally responsible for the operation, maintenance, and closure and post-closure care of the facility. For a facility where waste will remain after closure, I acknowledge that I have a responsibility to file with the county deed records an affidavit to the public advising that the land will be used for a solid waste facility prior to the time that the facility actually begins operating as a municipal solid waste landfill facility, and to file a final recording upon completion of disposal operations and closure of the landfill units in accordance with Title 30 Texas Administrative Code §330.19, Deed Recordation. I further acknowledge that I or the operator and the State of Texas shall have access to the property during the active life and post-closure care period, if required, after closure for the purpose of inspection and maintenance."

(Owner signature)

(Date)

Signature Page

I, Patricia Redfearn, Solid Waste Manager, City of Grand Prairie
(Operator) (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: Patricia Redfearn Date: 12-19-21

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.

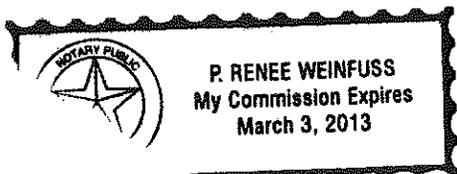
Printed or Typed Name of Operator or Principal Executive Officer

Signature

SUBSCRIBED AND SWORN to before me by the said Patricia Redfearn

On this 19 day of December, 2012

My commission expires on the 3 day of March, 2013



P. R. Weinfuss
Notary Public in and for
Tarrant County, Texas

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

ATTACHMENT 4

**ATTACHMENT 14 REVISION PAGES
(REDLINE/STRIKEOUT FORMAT)**

**CITY OF GRAND PRAIRIE LANDFILL
DALLAS COUNTY, TEXAS
TCEQ PERMIT APPLICATION NO. MSW-996C**

**PART III – SITE DEVELOPMENT PLAN
ATTACHMENT 14
LANDFILL GAS MANAGEMENT PLAN**

PERMIT MODIFICATIONS

Revised June 2009
Revised December 2009
Revised February 2012

Revised December 2012

Prepared by

Weaver Boos Consultants, LLC–Southwest
TBPE Registration No. F-3727
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Fort Worth, Texas 76109
817-735-9770

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Weaver Boos Consultants, LLC—Southwest

TBPE Firm Registration No. F-3727

Rev. 0, 3/24/2006

Rev. 1, 3/27/2007

Rev. 2, 10/2/2009

Rev. 3, 02/27/2012

Rev. 4, 12/18/2012

Attachment 14

6.2.4 2012 GCCS Expansion

The proposed 2012 GCCS Expansion includes the installation of seven additional LFG extraction wells, the abandonment and redrill of seven LFG extraction wells (EW-28, EW-29, EW-30, EW-31, EW-32, EW-49, and EW-50), and related piping as shown on Drawing 14A-6C.

6.2.5 2013 GCCS Upgrades

The proposed 2013 GCCS Upgrades include the abandonment and redrill of ten LFG extraction wells (EW-11, EW-14, EW-15, EW-44, EW-46, EW-47, EW-52, EW-53, EW-54, and EW-63), and related piping as shown on Drawing 14A-6D.

6.3 GCCS Expansion for Vertical Expansion

The proposed vertical expansion for the City of Grand Prairie Landfill consists of an overlay of additional waste placed over a portion of the existing landfill footprint. As the expansion is developed, additional vertical wells will be incrementally installed to provide LFG collection and control from the additional waste materials. As the landfill develops and waste placement approaches the existing wells, the well will either be extended vertically, or the valve will be relocated horizontally to a location that is outside of the waste fill or the well will be redrilled after waste filling is completed. The locations of the proposed extraction wells are shown on Drawing 14A-2. The collection points will be connected to the existing GCCS for discharge to the existing LFG flare facility.

6.4 Future LFG Control Capacity

Using the EPA Landfill Gas Emissions Model, it is estimated that the site will generate a maximum of approximately 2,740 standard cubic feet per minute (scfm) of LFG (Appendix 14D). As such, additional collection and control equipment will be installed to provide the vacuum and capacity needed to handle the predicted maximum design flow rate of the GCCS. The City of Grand Prairie LFG flare currently operates under Standard Air Permit No. 43841 issued by the TCEQ in April 2000. Future expansions of the control equipment by the City of Grand Prairie Landfill, which may increase site emissions, will be performed following TCEQ approval of the appropriate air authorization.

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Rev. 1, 3/27/2007

Rev. 2, 10/2/2009

Rev. 3, 02/27/2012

Rev. 4, 12/18/2012

Attachment 14

6.5 GCCS Operation and Maintenance

The City of Grand Prairie Landfill currently has an NMOC emission rate of less than 50 megagrams per year. As such, the site is not currently subject to the EG requirements for the operation and maintenance of the GCCS. The City of Grand Prairie Landfill will however continue to follow current industry accepted guidelines and practices for the system operation and maintenance, as well as any requirements stipulated under currently issued TCEQ air authorizations.

6.6 Soil Vapor Extraction System

In order to provide additional controls for limiting LFG migration, soil vapor extraction (SVE) wells will be installed in selected areas where gas migration is evident. The SVE wells will be installed in vertical borings drilled between the limits of waste and affected probes and corrective action groundwater monitoring wells. SVE well depths will be based on the depth of the adjacent probes. Each SVE well will be equipped with a wellhead similar to those installed on the LFG extraction wells. A typical detail for an SVE well can be found on Drawing 14A-7.

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Rev. 3, 02/27/2012
Rev. 4, 12/18/2012
Attachment 14