



## Landfill Project Submittal Forms

### *Instructions:*

This project form must be submitted to the Reserve and to the verifier in the first year of reporting prior to verification. In some cases, it may be necessary to update parts of the Project Submittal Form in subsequent years. All information in this Form will be made publicly available.

These forms are to be used for reporting general Landfill Project information to the California Climate Action Registry in order to initiate the project listing process. All fields must be completed as thoroughly as is possible. If the project in question is still in the planning/development phase, all fields must be completed using best available data and estimations based on the proposed system design. Upon receipt of completed submittal forms, Registry staff will perform a general eligibility screen (in accordance with the most current version of the California Climate Action Registry Landfill Project Reporting Protocol) based on the information provided. Project Developers can expect an Invoice for the \$500 project listing fee within 15 days of receipt of the completed forms, and a letter regarding the status of the project within 15 days of the receipt of the project listing fee. If a project passes the eligibility screen, it will be officially "listed" with the Climate Action Reserve.

This is an interactive PDF form that can be filled out and saved as a PDF. All fields must be completed, if a field is not applicable insert N/A in the space provided. The completed form must be saved and uploaded to your Climate Action Reserve account. Submit all questions regarding the project submittal process to: [reserve@climateresistry.org](mailto:reserve@climateresistry.org).

Be sure to fill out the invoicing contact info below, in order to expedite the process.

Please provide contact information for invoicing purposes:

Name: Kevin Morenzi - Purchase Order Number 71

Email: Confidential

Address: Confidential

Phone: Confidential

Fax: Confidential

Version 2.1  
July 2008



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## Landfill Project Submittal

### Form 1: General Landfill Information

1. Date of form completion:

August 27, 2008

2. Form completed by (name): Kate Faulhaber, Esther Davis

3. Name of Landfill: Trans-Jordan Landfill

4. Approximate Latitude/Longitude of Landfill Project (degrees/minutes/seconds):

UTM coordinates: 410879m Easting 4490492m Northing

5. Address (including county):

10873 South 7200 West West Jordan City, Salt Lake County Utah

6. Owner of Landfill and owner contact information:

Trans-Jordan Cities, Dwayne Woolley, general manager (801)-569-8994x11 dwoolley@transjordan.org

7. Type of landfill (sanitary, controlled, or open dump):

MSW sanitary landfill

8. Landfill size – designed area for waste placement (acre or hectare):

200 total acres, 178 acres for waste placement.

9. Total waste in place (cubic meters or tons): 6,953,332 tons

10. Designed landfill capacity (cubic meters or tonnes): 16,000,000 tonnes



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11. Year landfill opened: 1958

12. Year landfill closed or estimated date of closure: 2028

13. Approximation of percent municipal / industrial / inert wastes:

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14. Average annual quantity of waste accepted at landfill (cubic meters or tonnes):

340,000 tons

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15. Description of any regulatory framework for landfill methane capture and control (include an estimate of the date which the landfill will meet or exceed the 50 megagrams per year threshold of calculated NMOC emissions per NSPS/EG regulations and the type of testing that justifies the estimate (i.e. Tier 1 or Tier 2 NMOC emission rate estimates)):

2013. Tier 2 NMOC. Tier 2 testing conducted by Kleinfelder.

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16. Description of local and state air and water quality, explosive gas, or other regulations pertinent to the project:

Title V, Tier 2, HAP, NON-HAP and NH<sub>3</sub>, UPDES, Health department, Permit to Operate, Utah Solid Waste Permit.

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17. Is this project required by any local, state, or federal regulation?    Yes    ☐    No    ☒

Comments (if any):

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18. When did the project first commence operation, or when is the project expected to commence operation?

Flaring of LFG: June 2005.    Electrical generation: ~ December 2008

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19. Description of waste picker and recycling activities:

Voluntary greenwaste diversion drop off at landfill. Curbside recycling in all municipal areas that use the landfill. Curbside recycling currently at 9.58% diversion rate.

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20. Has a detailed monitoring plan been developed for this project? If not, what date will a monitoring plan be in place?

A flare and well only monitoring plan is currently in practice. An updated monitoring plan will be in place prior to completion of the construction of the Granger Electric South Jordan Electric Generating Station.

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21. What Version or publication date of the Landfill Project Reporting Protocol is the project documentation based upon? Version 1

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22. Have any vintage reduction tons from the project ever been registered with or claimed by another registry or program, or sold to another third party prior to registering with the Reserve?

No.

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If the answer is yes, you must complete and return a "*Project Transfer*" form.



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### 22. Waste Characteristics Table

| <i>Waste Types</i>    | <b>Estimated Percent of Waste Stream</b> |
|-----------------------|------------------------------------------|
| Food Waste            | 12.4                                     |
| Garden and park waste | 12.9                                     |
| Wood                  | 5.5                                      |
| Paper and textiles    | 41.2                                     |
| Plastics              | 11.7                                     |
| Concrete              | N/A                                      |
| Metal                 | 7.6                                      |
| Other Inert waste     | 3.3                                      |

Explain basis of estimates (i.e. site specific information, regional or national studies, etc.):

Based on EPA guidelines.

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## Landfill Project Submittal

### **Form 2: Pre existing landfill gas control system information**

1. Type of existing landfill gas collection and control system in place, if any (e.g., flare, energy recovery etc.):

Flare.

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- i. If Landfill gas collection system is in place, is the system actively collecting or passively venting gas?  
actively collecting gas
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- ii. If flare or energy project is in place, what is the landfill gas flow rate (in scfm) and methane content?  
1300 scfm. 55% methane
- 

- iii. Supply a copy of the as built drawings for the existing system. (Attach as a separate PDF file titled: Existing LFG System Diagram)

- iv. Name of system designer, address and other contact information.

IGES  
Brett Micklesen, Project Engineer  
4153 Commerce Drive  
Salt Lake City, UT 84107

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2. When was this control system installed and operational?

June 2005

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3. Provide a summary of the permits obtained to build and operate this Landfill Gas Control System).

NOI from state Air quality.

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## Landfill Project Submittal

### **Form 3: Landfill gas utilization information for project activity**

1. Landfill gas utilization (e.g., flared, generation of electricity, use on-site as a boiler or furnace fuel, or sale to a third party):

Currently flared only, late 2008 generation of electricity.

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2. When was this combustion/LFG utilization system installed and operational, or when is it expected to be installed and operational?

Flare: June 2005. Generation of electricity: late 2008.

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3. If designed to generate electricity:

- a. Type of engine-generator set (e.g., internal combustion engine, micro turbine or fuel cell with the name of the manufacturer, model, power output rating (kW or MJ) for biogas, and nominal voltage :

TBD

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- b. Pretreatment of landfill gas (e.g., none, condensate trap, dryer, hydrogen sulfide removal, etc. with the names of manufacturers, models, etc.):

TBD

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- c. Exhaust gas emission control (e.g., none, catalytic converter, etc.):

TBD

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- d. If interconnected with an electric utility:

- Name of the utility: \_\_\_\_\_
- Type of utility contract (e.g., sell all/buy all, surplus sale, or net metering):

TBD

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e. If engine-generator set waste heat utilization:

- Heat source (e.g., cooling system or exhaust gas or both) and heat recovery capacity (Btu or kJ/hr):

NA

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- Waste heat utilization (e.g., water heating, space heating, etc.):

NA

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4. If designed to use on-site as a boiler or furnace fuel, a description of the boiler or furnace including manufacturer, model, and rated capacity (Btu or kJ/hr):

NA

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5. If designed for biogas sale to a third party, a description of the methods of processing, transport, and end use:

N/A

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- a. Pretreatment of Biogas (e.g., none, condensate trap, dryer, hydrogen sulfide removal, etc.) include names of manufacturer, model etc.:

N/A

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- b. Exhaust gas emission controls from gas processing step:

N/A

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6. Provide a summary of the permits obtained to build and operate this Landfill Gas Utilization System).

N/A

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