



CLIMATE
ACTION
RESERVE

Landfill Project Submittal
Version 2.5
July 2009

Landfill Gas Capture/Combustion Project Submittal Form

Instructions: Please complete all fields as thoroughly as possible. If the project in question is still in the planning/ development phase, all fields must be completed using best available data and estimates based on the proposed system design. This is an interactive Word form. Upon completion, please save this form as a PDF prior to uploading it to the Reserve. This will lock your answers and protect the document from any further changes. All fields must be completed, even if the answer is also provided elsewhere; if a field is not applicable insert N/A in the space provided.

Section 1: Project Contact Information

Project Name: **Stones Throw Landfill**

Project Developer: **Sustainable Energy Solutions LLC**

Facility Owner: **Stones Throw Landfill LLC, a subsidiary of Advanced Disposal Services**

Technical Consultants: **Hodges Harbin Newberry and Tribble - landfill engineers; Carlson Environmental Consultants - landfill gas engineers; SCS Engineers - Monitoring Plans**

Other Parties with a Material Interest: **Advanced Disposal Services LLC**

Date of Form Completion: **January 25, 2010**

Form Completed By (name, organization): **William R. Gibbes, Sustainable Energy Solutions LLC**

Section 2: General Project Site Information

1. Name of Landfill: **Stones Throw Landfill**
2. Project Description (Please provide one to two paragraphs): **Phase I will involve the voluntary installation and operation of a landfill gas collection system for the purpose of capturing and flaring the LFG to generate CRT's; Phase II will include beneficial utilization of the landfill gas.**
3. Project Site Address (including county and country): **1303 Washington Blvd, Tallassee, AL 36078 in Elmore County, AL, USA**
4. Owner of Landfill (name and organization): **Stones Throw Landfill LLC, Trey Allen - General Manager**
5. Type of landfill (sanitary, controlled, or open dump): **Sanitary**



CLIMATE
ACTION
RESERVE

Landfill Project Submittal
Version 2.5
July 2009

6. Type of waste accepted (MSW, demolition debris, organic, etc.): MSW
7. Average annual quantity of waste accepted at landfill (cubic meters or tonnes): **232,000 TPY**
8. Total waste in place (cubic meters or tonnes): **approx 2.2 million short tons**
9. Designed landfill capacity (cubic meters or tonnes): **6,346,872 tons**
10. Year landfill opened: **2002**
11. Year landfill closed or estimated date of closure: **Estimated 2025**

Section 3: Project Eligibility and Monitoring

12. Project Start Date (Date project became operational; format MM/DD/YYYY): **04/15/2010**
Estimated Start Up
13. Project Reporting Start Date (First date for which reductions will be reported on the Reserve;
format: MM/DD/YYYY): **04/15/2010 Estimated**
14. Have any vintage reduction tonnes 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**

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

15. Is the landfill subject to NSPS Regulation? (greater than 2.5 million tonnes capacity)?

☒ YES ☐ NO

16. If applicable, date of most recent Tier I or Tier II NMOC test (format MM/DD/YYYY)?
12/29/2009

- a. NMOC emissions per year (Mg/year): **7.2 Mg/yr**
- b. Date at which landfill did or is expected to exceed 50 Mg NMOC per year (format
MM/DD/YYYY): **Estimated 2025**



CLIMATE
ACTION
RESERVE

Landfill Project Submittal
Version 2.5
July 2009

17. Description and citation of all local and state air and water quality, explosive gas, or other regulations pertinent to the landfill or project: **Alabama DEM Solid Waste Permit #62-11 dated 12/18/2006; Alabama DEM Title V Permit #205-0015 dated 04/22/2009; and NPDES Industrial permit ALG160159 dated 02/01/2007**

18. Is this project being implemented and maintained as the result of any law, statute, regulation, court order, or other preexisting legally binding mandate?

☐ Yes ☒ No

If yes, please explain.

19. Has a detailed monitoring plan been developed for this project? If not, what date will a monitoring plan be in place? **Monitoring Plan currently being prepared by SCS Engineers and will be in place prior to start up**

20. What version of the Landfill Project Reporting Protocol is the project based upon? **Version 3.0, December 2009**

Section 4: Pre-project Information

21. Did the landfill ever collect and destroy landfill gas using a non-qualifying destruction device (e.g. passive flares)?

☐ YES ☒ NO

If yes:

- a. What date was this system operational (MM/DD/YYYY):
- b. Please describe (number of wells, destruction devices, etc.):
- c. What deduction will be taken to account for this pre-project destruction?
- d. What is the landfill gas flow rate (in scfm) and methane content?



CLIMATE
ACTION
RESERVE

Landfill Project Submittal
Version 2.5
July 2009

22. Did the landfill ever collect and destroy landfill gas using a qualifying destruction device (e.g. candlestick flare, engine)?

☐ YES ☒ NO

If yes:

- a. What date was this system operational (MM/DD/YYYY):
- b. Please describe (number of wells, destruction devices, etc.):
- c. What deduction will be taken to account for this pre-project destruction?
- d. What is the landfill gas flow rate (in scfm) and methane content?

Section 5: Landfill Gas Utilization Information for Project Activity

23. Landfill gas utilization (e.g., open-flared, enclosed flare, generation of electricity, use on-site as a boiler or furnace fuel, or sale to a third party): **Open flare only initially; Beneficial utilization of the LFG under study**

24. 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 : **n/a**
- b. Pretreatment of landfill gas (e.g., none, condensate trap, dryer, hydrogen sulfide removal, etc. with the names of manufacturers, models, etc.):
- c. Exhaust gas emission control (e.g., none, catalytic converter, etc.):
- d. If interconnected with an electric utility:



CLIMATE
ACTION
RESERVE

Landfill Project Submittal
Version 2.5
July 2009

- i) Name of the utility:
 - ii) Type of utility contract (e.g., sell all/buy all, surplus sale, or net metering):
 - iii) If engine-generator set waste heat utilization:
 - iv) Heat source (e.g., cooling system or exhaust gas or both) and heat recovery capacity (Btu or kJ/hr): *n/a*
 - v) Waste heat utilization (e.g., water heating, space heating, etc.): *n/a*
25. If designed to use on-site as a boiler or furnace fuel, a description of the boiler or furnace and rated capacity (Btu or kJ/hr): *n/a*
26. If designed for biogas sale to a third party, a description of the methods of processing, transport, and end use: *n/a*
- i) Pretreatment of Biogas (e.g., none, condensate trap, dryer, hydrogen sulfide removal, etc.) include names of manufacturer, model etc.:
 - ii) Exhaust gas emission controls from gas processing step:
27. Provide a summary and citation of the permits obtained to build and operate this Landfill Gas Utilization System): **Minor modification to Alabama DEM Solid Waste Permit #62-11 dated 12/18/06**

Additional information:
