



Site Approval Application Introduction

Dynamis Energy, LLC (Dynamis) is developing and intends to build, own, and operate a renewable energy project in Ada County at the Hidden Springs Landfill. The Ada County WTE Project (the "Project") will be located at 10300 Seaman's Gulch Rd, Ada County, ID, within the existing 2700 acre Ada County Landfill. The proposed Project is subject to 40 CFR Subpart Eb. The proposed project is also subject to the requirements of IDAPA 58.01.06 SOLID WASTE MANAGEMENT RULES. The Project is to be located to the south of the existing Ada County Landfill. The area slated for the proposed facility is an excavated site, which was created by removing earth material used to cap MSW in the landfill. The proposed facility is located at Latitude N43°42.33' and Longitude 116° 16.45'. The Project site will be re-graded to an elevation to accommodate the facility

The Project will consist of a Municipal Solid Waste (MSW) fired steam generator. The heat input of the steam generator is expected to be about 295 million British Thermal Units per hour (MMBtu/hr). The Project will process a maximum of 408 tons per day (tpd) of MSW supplied by Ada County. The Project is designed for a nominal net electrical output of 22 MW for 16 hours per day after supplying steam and electrical power to the facility. The area slated for the proposed facility is on a borrow site within the landfill parcel.

The Project will process MSW, which otherwise would have been deposited in the Ada County landfill. MSW will be diverted from the landfill cell at the landfill gate/scales to the facility and will be placed on tipping floors inside the building. Non-processible waste (primarily bulky appliances and scrap metal) will be returned to Ada for recycling. The nominal, as delivered, higher heating value of MSW is expected to be 5,800 Btu/lb.

Power supplied from the Project will be interconnected with the local 138 kV. The Project will be equipped with a black start generator capable of starting the Project during times when the power grid is out of service. Either this generator or the local grid can be utilized to support operation of the facility if the power plant is out of service.

This Project will not impact the MSW collection activities or recycling programs currently maintained by Ada County, Boise City, Meridian, Etc. Additionally, this Project will not limit recycling activities, goals, or methodology that Ada County, Boise City, Meridian, Star, Eagle, Garden City, and Kuna. may introduce in the future. As such, Dynamis' MSP specifically addresses activities to promote recycling and beneficial re-use of waste once the MSW is delivered to the Project.

The Standards of Performance for Large Municipal Waste Combustors (MWC) for which construction is commenced after September 20, 1994 or for which modification or reconstruction is commenced After June 19, 1996. This New Source Performance Standard (NSPS) applies to "large" MWC units, defined as any MWC unit capable of combusting more than 250 tons per day of municipal solid waste (40 CFR 60.50b(a)).

Pursuant to IDAPA 58.01.06, approval of location restrictions by the Department of Environmental Quality is required of all new non-municipal solid waste management facilities.

This document serves as the Site Approval Application. This document will be made available for public review at the Public Library in Boise and the Public Library in Eagle for a period of at least 30 days after the application is determined complete by DEQ.