PMC-EF2a
(2.04.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: Naknek Electric Association **STATE:** AK

PROJECT TITLE : Southwest Alaska Regional Geothermal Energy Project - Implementation of a Demonstration EGS Project in Naknek, Alaska

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-EE0002956	GFO-09-423-002	0

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

B3.1 Onsite and offsite site characterization and environmental monitoring, including siting, construction (or modification), operation, and dismantlement or closing (abandonment) of characterization and monitoring devices and siting, construction, and associated operation of a small-scale laboratory building or renovation of a room in an existing building for sample analysis. Activities covered include, but are not limited to, site characterization and environmental monitoring under CERCLA and RCRA. Specific activities include, but are not limited to:

DOE/EA-1759 Environmental Assessment Southwest Alaska Regional Geothermal Energy Project (May 2010)

Rational for determination:

Naknek Electric Association, Inc. (NEA) would demonstrate the potential geothermal resource of the existing G-1 well by performing logging and flow tests of the well. This project was previously analyzed in DOE/EA-1759 Southwest Alaska Regional Geothermal Energy Project near Naknek, Alaska. However, an additional task (1.2 logging and flow tests) was added to the project, therefore another NEPA review was needed. Data gathered from the logging and flow tests of G-1 would be used by NEA to characterize the geothermal resource. This analysis is for Task 1.2 only.
Task 1.2) Conduct Post-drilling Logging and Analysis of Previously Collected Geophysical Logging Data – Conduct a series of post-drilling logging runs and flow tests (if warranted) on G-1. Evaluate the suite of logs collected in G-1 during drilling in order to construct a seismic velocity model, estimate rock strength, and determine the magnitude of the vertical stress. If required, run additional geophysical logs to determine fracture characterization, understand formation properties, and deduce the orientation of the stress field.

This proposal comprises activities identified in the Southwest Alaska Regional Geothermal Energy Project (DOE/EA-1759; FONSI signed 5/28/2010). The DOE/EA-1759 analyzes the logging and flow testing of geothermal well G-1in the Cumulative Impacts Section of the EA. Additionally, DOE's CX B3.1 allows onsite characterization such as logging and flow tests.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 6/2/10

NEPA Compliance Officer