PMC-EF2a
(2.04.02)

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

RECIPIENT: University of Arizona **STATE:** AZ

PROJECT TITLE : Halide and Oxy-Halide Eutectic Systems for High Performance High Temperature Heat Transfer Fluids

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-000567	DE-EE0005942	GFO-0005942-001	

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:

B3.6 Small-scale research and development, laboratory operations, and pilot projects	Siting, construction, modification, operation, and decommissioning of facilities for smallscale research and development projects; conventional laboratory operations (such as preparation of chemical standards and sample analysis); and small-scale pilot projects (generally less than 2 years) frequently conducted to verify a concept before demonstration actions, provided that construction or modification would be within or contiguous to a previously disturbed or developed area (where active utilities and currently used roads are readily accessible). Not included in this category are demonstration actions, meaning actions that are undertaken at a scale to show whether a technology would be viable on a larger scale and suitable for commercial deployment.

Rational for determination:

DOE is proposing to provide funding to the University of Arizona to complete a research and development project focused on developing a high temperature heat transfer fluid for use in concentrated solar power applications. The project would involve conventional laboratory activities and protype testing.

All lab work and prototype testing would be conducted in existing laboratories in the Aerospace and Mechanical Engineering Building Arizona Materials Lab (AML). The AML is certified by Univeristy of Arizona Risk Management Services which cooridnates the Universities environmental compliance and occupational health and safety programs. Genetically Modified Organisms (GMOs) would not be used or created in the course of this project.

DOE has determined this project would not have an adverse impact on the human environment and is consistent with CX B3.6: Small-scale research and development projects.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved.

Note to Specialist :

Project Funding:

DOE: $5,500,000
University of Arizona: $600,000

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: Electronically Signed By Kristin Kerwin Date: 9/10/2012
NEPA Compliance Officer