

RECIPIENT:The University of Alabama STATE: AL **PROJECT** Development and Validation of Physics-Based Sub-Models of High Pressure Supercritical Fuel Injection TITLE: at Diesel Conditions Funding Opportunity Announcement Number Procurement Instrument Number NEPA Control Number CID Number DE-FOA0001201 DE-EE0007301 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: **A9 Information** Information gathering (including, but not limited to, literature surveys, inventories, site visits, and gathering, analysis, audits), data analysis (including, but not limited to, computer modeling), document preparation (including, but not limited to, conceptual design, feasibility studies, and analytical energy supply and demand studies), and information dissemination (including, but not limited to, document publication and dissemination and distribution, and classroom training and informational programs), but not including site characterization or environmental monitoring. (See also B3.1 of appendix B to this subpart.) Siting, construction, modification, operation, and decommissioning of facilities for smallscale research **B3.6 Small-scale** 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) research and development, laboratory operations, 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 and pilot projects would be viable on a larger scale and suitable for commercial deployment. Rationale for determination: NEPA PROVISION DOE has made a final NEPA determination for this award Insert the following language in the award: If the Recipient intends to make changes to the scope or objective of this project, the Recipient is required to contact the Project Officer, identified in Block 15 of the Assistance Agreement before proceeding. The Recipient must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved. If the Recipient moves forward with activities that are not authorized for Federal funding by the DOE Contracting Officer in advance of a final NEPA decision, the Recipient is doing so at risk of not receiving Federal funding and such costs may not be recognized as allowable cost share. Note to Specialist: None Given. SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION. Signed By: John R Ganz NEPA Compliance Officer Signature: Date: 10/9/2015 NEPA Compliance Officer FIELD OFFICE MANAGER DETERMINATION ☐ Field Office Manager review required NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON: Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

Field Office Manager

Date: __

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO:

Field Office Manager's Signature: