

accordance with applicable regulations. The project includes plans for a cadmium chloride reclamation process to recover cadmium chloride for reintroduction into the manufacturing process. Abound expects a 95 percent recovery rate, which will reduce hazardous waste production. The facility will be registered as a large quantity hazardous waste generator. The primary hazardous wastes will be heavy metals. The facility has a waste water treatment facility and Abound will implement a water treatment process inside the buildings to extract heavy metals (cadmium and copper). All contaminated production wastewater will be pretreated prior to discharge. Abound will obtain a pretreatment permit for this operation.

The facility will use small quantities of industrial solvents, flammable liquids, and corrosive materials. Permits are being sought to manage use according to applicable regulations. All chemical storage areas will be within the existing structures and the areas in which these materials are to be stored or utilized will have secondary containment to ensure control from unplanned releases. All floor drains in these areas are to be blanked and blinded to ensure that an unplanned release would not migrate to a drain and enter the wastewater treatment facility or be released to the environment. Abound has stated that it will work with the fire marshal of Tipton County to develop a hazardous materials management plan and ensure that it meets or exceeds NFPA hazardous materials storage requirements.

The facility is designed with 810 parking spaces. Although Abound will employ up to 1,000 workers, it plans to operate on a four-shift basis. Traffic associated with Abound's operations are expected to be considerably less than what the facility and traffic authorities contemplated when the facility was initially built.

In view of the information provided by the State and Applicant, that the facility is designed to be environmentally neutral; that plant construction is not expected to affect the physical structure of existing buildings or surrounding; that waste stream generation will comply with State and local permits; and that proper measures are being taken in the design, construction, and operation of the facility to ensure safe operations, I have determined that this project can be classified as Categorical Exclusion B5.1 and B1.31. This Determination has been made in consideration of the full scope of the project.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

According to the Project Officer, funding for this project is \$5,000,000. This NEPA Determination has been coordinated with DOE's Loan Guarantee Office. Unless there is a significant change in the scope of this effort, or in the NEPA Determination of the DOE Loan Guarantee Office, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____
NEPA Compliance Officer

Date: 3/16/10

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.

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

Field Office Manager's Signature: _____
Field Office Manager

Date: _____