

**NASA Michoud Assembly Facility
NEPA Record of Environmental Consideration**

| | | | |
|---|---|----------------------------|---------------|
| Project Name: | RFP 1055 – Demolish Buildings 108, 175 (Partial), 205, 352 (Partial), and 406 | Current Date: | 7/30/2010 |
| Project Contact: | Dale Heintzelman | Project Start Date: | October 2010. |
| Building Number and Location: Bldgs. 108, 175, 205, 352 and 406. | | Telephone Number: | |
| Description of Project: The demolition and removal of out of service/ out of useful lifespan components at the MAF. | | | |

It has been determined that the above action (Check Appropriate Box):

- Is covered under an existing Environmental Assessment (EA) or Environmental Impact Statement (EIS).

Provide EA or EIS Reference which covers this action.

- Qualifies for Categorical Exclusion under 14 CFR 1216.305 and has no special circumstances which would suggest a need for an Environmental Assessment.

- R&D (or SFCDC) activities in space science (e.g., Physics and Astronomy Research and Analysis, Planetary Exploration Mission Operations and Data Analysis) other than specific spacecraft development and flight projects
- R&D activities in space and terrestrial applications (e.g., Resource Observations Applied Research and Data Analysis, Technology Utilization) other than specific spacecraft development and flight projects
- R&D activities in aeronautics and space technology and energy technology applications (e.g., Research and Technology Base, Systems Technology Programs) other than experimental projects.
- R&D (or SFCDC) activities in space transportation systems engineering and scientific and technical support operations, routine transportation operations, and advanced studies.
- R&D (or SFCDC) activities in space tracking and data systems.
- Facility planning and design (funding).
- Minor construction of new facilities including rehabilitation, modification, and repair.
- Continuing operations of a NASA installation at a level of effort, or altered operations, provided the alterations induce only social and/or economic effects but no natural or physical environmental effects.

- Will Require and Environmental Assessment under 12 CFR 1216(a) &(B).
- Will Require and Environmental Impact Statement under 12 CFR 1216(c).

Evaluator Signature: _____

Date of Evaluation: _____

Keith G. Sang
8/5/2010

**NASA Michoud Assembly Facility
NEPA Environmental Checklist (Facilities Projects)**

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|---|---|----------------------------|---------------|
| Project Name: | RFP 1055 – Demolish Buildings 108, 175 (Partial), 205, 352 (Partial), and 406 | Current Date: | 7/30/2010 |
| Project Contact: | Dale Heintzelman | Project Start Date: | October 2010. |
| Building Number and Location: Bldgs. 108, 175, 205, 352 and 406. | | Telephone Number: | |
| Description of Project: | | | |
| The demolition and removal of out of service/ out of useful lifespan components at the MAF. The demolition/removal includes: | | | |
| Bldg 108: Currently used for storage of oil for equipment and machinery. | | | |
| Bldg 175: Includes removal of out of service boilers and associated steam handling equipment. Structure to remain. Adjacent corrugated metal shed to be removed. | | | |
| Bldg. 205: Includes 2 cleaned 25,000 gal tanks and associated piping. Tanks were previously used for diesel fuel but have been emptied and cleaned for removal. Includes minor asbestos insulation removal from piping. | | | |
| Building 352: Includes out of service water chiller for HVAC System. | | | |
| Bldg. 406: Metal self contained shed/building for removal. | | | |

Environmental Impacts:

"Yes" responses may require the project to prepare an Environmental Assessment or conduct additional studies.

| A. | Geologic: | Yes | Maybe | No |
|--|--|------------|--------------|-----------|
| | a. Greater than 10 % change in topography or ground surface relief features? | | | X |
| | b. Any increase in wind or water erosion of soils, either on or off site? | | | X |
| | c. Changes in deposition, siltation, or erosion that may modify the wetlands or bay? | | | X |
| Explain all "yes" and "maybe" answers: | | | | |
| | | | | |
| B. | Air: | Yes | Maybe | No |
| | a. Substantial air emissions or deterioration of ambient air quality?..... | | | X |
| | b. The creation of objectionable odors? | | | X |
| | c. Alteration of air movement, moisture, temperature, or any changes in climate, either locally or regionally? | | | X |
| Explain all "yes" and "maybe" answers: | | | | |

| C. Water: | | Yes | Maybe | No |
|------------------|--|------------|--------------|-----------|
| a. | Disturbance of groundwater?..... | | | X |
| b. | Greater than 10% changes in absorption rates, drainage patterns, or the rate and amount of surface runoff?..... | | | X |
| c. | Alter the course or flow of flood waters?..... | | | X |
| d. | Alteration of the direction or rate of ground waters?..... | | | X |
| e. | Change in the quantity of ground waters, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations? | | | X |
| f. | Activities resulting in changes of greater than 10 percent of Center total potable water use (more than 35,100,000 gallons/year)?..... | | | X |
| g. | Any construction or other activity in a floodplain or wetland?..... | | | X |

Explain all "yes" and "maybe" answers:

| D. Cultural Resources: | | Yes | Maybe | No |
|-------------------------------|---|------------|--------------|-----------|
| a. | Is the project located in an historic district or effects an existing landmark? | | | X |
| b. | Will the project alter a building that is 50 years or older? | X | | |
| c. | Is the project located in an area of suspected archaeological resources?. | | | X |

Explain all "yes" and "maybe" answers:

The MAF HPO was notified of the project. The HPO stated that the building had been reviewed and judged as not eligible as significant under Historical Preservation Act.

| E. Biological Resources: | | Yes | Maybe | No |
|---------------------------------|--|------------|--------------|-----------|
| a. | Construction/grading/filling within or adjacent to designated wetlands?. | | | X |
| b. | Reduction of the numbers of any rare, or endangered species?. | | | X |
| c. | Construction/grading/filling within open space or grasslands areas? | | | X |
| d. | Introduction of new species or plants into an area, or impacts the normal replenishment of existing species? | | | X |
| e. | Proposed construction activities in burrowing owl habitat?. | | | X |
| f. | Propose new landscaping or modify existing landscaping?..... | | | X |

Explain all "yes" and "maybe" answers:

| F. Noise: | | Yes | Maybe | No |
|------------------|---|------------|--------------|-----------|
| a. | A noise increase greater than 10% from an existing operation? | | | X |
| b. | Exposure of people to severe noise levels (above 80 dBA)? | | | X |

| | | | | |
|----|---|--|--|---|
| c. | Increase existing CNEL noise contours surrounding the airfield or Ames? | | | X |
|----|---|--|--|---|

Explain all "yes" and "maybe" answers:

| G. | Land Use: | Yes | Maybe | No |
|----|---|-----|-------|----|
| a. | Substantial alteration of the present or planned land use? | | | X |
| b. | Increase in the rate of use of any natural resource? | | | X |
| c. | Activities resulting in changes of greater than 10 percent of Center energy consumption (15,000,000 kWh of office electricity, 15,000,000 kWh wind tunnel electricity, or 382,000 therms of natural gas)? | | | X |
| d. | Activities resulting in a change in total employment levels greater than 10 percent (More than 620 people)? | | | X |

Explain all "yes" and "maybe" answers:

| H. | Health and Safety: | Yes | Maybe | No |
|----|--|-----|-------|----|
| a. | Generation of ionizing or nonionizing radiation? | | | X |
| b. | Generate any air emissions? | X | | |
| c. | Use of pesticides, including insecticides, herbicides, fungicides or rodenticides? | | | X |
| d. | Confined space entry? | | X | |
| e. | Risk of exposure to asbestos or lead containing materials? | | X | |
| f. | Result in the exposure or disturbance of contaminated soil or ground water? | | | X |
| g. | Generate industrial waste water or storm water discharge? | | | X |
| h. | Use of Class I ozone depleting substances (CFCs, TCA, halons)? | | | X |
| i. | Acquisition, use, or storage of any toxic or hazardous substance? | | | X |
| j. | Generation of medical (biohazard), hazardous, toxic, or radiological wastes? | | | X |
| k. | Use, disturbance or disposal of PCBs? | | | X |
| l. | Use of toxic gas? | | | X |

Explain all "yes" and "maybe" answers:

Air emissions consistent with construction and demolition projects will be generated. The emissions are considered insignificant by the LDEQ. Dust suppression measures will be utilized during demolition to minimize impacts. Asbestos containing piping insulations will be removed in from the piping associated with the Bldg. 205 tanks prior to demolition/removal. The asbestos has been identified and the contract requires that a licensed and accredited contractor abate and dispose of the asbestos materials in accordance with EPA, LDEQ and OSHA requirements prior to demolition. Proper notification will be made to the LDEQ as required by LA state regulations.

| I. | Transportation/Circulation: | Yes | Maybe | No |
|----|---|-----|-------|----|
| a. | Generation of substantial vehicle trips (over 620 per day)? | | | X |

| | | | | |
|----|--|--|--|---|
| b. | Affect existing parking facilities or demand for new parking? | | | X |
| c. | Substantial impact upon existing transportation systems? | | | X |
| d. | Increase in traffic hazards to motor vehicles, bicyclists, or pedestrians? | | | X |

Explain all "yes" and "maybe" answers:

| | | | | |
|--|--|--|--|--|
| | | | | |
|--|--|--|--|--|

| J. | | Services: | Yes | Maybe | No |
|-----------|--|---|------------|--------------|-----------|
| a. | | Affect or result in need for new or altered government-provided fire protection services? | | | X |
| b. | | Affect or result in need for new or altered government-provided security services? | | | X |

Explain all "yes" and "maybe" answers:

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

| K. | | Environmental Justice: | Yes | Maybe | No |
|-----------|--|--|------------|--------------|-----------|
| a. | | Does the project have the potential to disproportionately affect low income populations or minority populations? | | | X |

Explain all "yes" and "maybe" answers:

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|