

National Aeronautics and
Space Administration
George C. Marshall Space Flight Center
Marshall Space Flight Center, AL 35812



October 4, 2002

Reply to Attn of:

AD10(122-03)

TO: NASA Headquarters/JE/Olga Dominguez
FROM: AD10/Allen Elliott
SUBJECT: Categorical Exclusion Determination for Four FY03 C of F Projects

Enclosed are Four requests for approval of Categorical Exclusion determination of these C of F Projects. The supporting documentation indicates that these projects will not result in any significant environmental impacts. The MSFC Environmental Engineering Department and Chief Council have reviewed and concurs with the recommendation of categorical exclusion.

A handwritten signature in cursive script that reads "Allen Elliott".

Allen Elliott
Deputy Manager Environmental Engineering

(4) Enclosures

cc:

AD10/Mike Reynolds
LS01/Lou Durnya

4 Enclosures

1. Building 110 Chilled Water System Project request.
2. Remedial Activities at MAF.
3. Buildings 101/102 Roof Replacement Project.
4. FY01 Environmental Project Remediation Activities at MAF.

National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Michoud Assembly Facility
P.O. Box 29300
New Orleans, LA 70189



Reply to Attn of:

MP31(642-02)

September 4, 2002

To: NASA Headquarters
Attention: JX/Ms. Olga Dominguez ✓

Thru: MP31/Mr. Jerry Smelser
Thru: AD01/Mr. James A. Elliott

Subject: Request for Concurrence with a Categorical Exclusion Determination for the
FY05 CoF Project – Replace Roofs 101/102

Enclosures: (1) Record of Environmental Consideration
(2) Environmental Evaluation Checklist
(3) Synopsis of CoF Project

1. We are submitting this letter in accordance with the document, NASA Procedures and Guidelines (NPG) 8580.1, Implementing the National Environmental Policy Act and Executive Order 12114. This letter specifically addresses NEPA requirements as they relate to the FY05 CoF Project – Replace Roofs 101/102. Per the referenced NASA requirement, we request a review and signature from the Marshall Space Flight Center attorney (as required by NASA Headquarters Code JE) on the Enclosure (1) Record of Environmental Consideration document. We also request support in obtaining the signature required by NASA Code JE on the Enclosure (1) document after approval by the Marshall Space Flight Center attorney.

2. This CoF project involves removing the built-up roofing system down to wood decking and repairing and replacing the deteriorated roof deck and ancillary roof equipment as required. This project would normally be considered an action that is categorically excluded and only require approval by the local Environmental Management Office; however additional approval is needed, in light of an electronic transmittal received from Dr. Ann Hooker that states "...If the project costs >\$1.5 million, and you want to treat it as minor to catex it, you must also obtain written concurrence of the Center's attorney and HQ (Code JE) that there are no extraordinary circumstances, no cumulative effects, no public controversy, and the site is not a Greenfield..."

3. We believe that this CoF project does not result in any extraordinary circumstances, no cumulative effects, no public controversy, and the site is not a Greenfield. A Record of Environmental Consideration (REC) is included as Enclosure (1) for your signature/approval as required by NPG.8580.1. This determination is furthermore documented in the Enclosure

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Sponsoring Entity: Office of Space Flight, Code M

Project Title: FY05 CoF Project - Replace Roofs 101/102

Brief Description of the Project:

This CoF project involves removing the built-up roofing system down to wood decking and repairing and replacing deteriorated roof deck and ancillary roof equipment as required.

Anticipated Start Date and Duration: December 2004 – December 2006

Evaluation: This project is considered a modification of an existing facility that is minor in nature and does not have individually or cumulatively a significant impact on the environment. This project meets the criteria for consideration as a categorically excluded action in Section 4.2 (d) of NPG 8580.1.

Special Considerations: None

Determination:

This action is categorically exempt from further environmental assessment based on the information provided in the project description. If there are changes to the siting or other aspects of the project then this document is invalidated and the action will be reassessed.

Allen Elliott
Marshall Space Flight Center
Deputy Mgr, Env. Engr. Dept.

CONCUR

NONCONCUR

10-4-02
Date

CONCUR

NONCONCUR

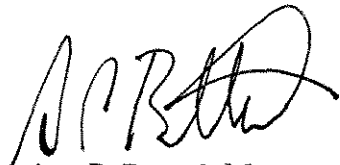
Date

NASA Headquarters Code JE

NASA Headquarters
Ms Olga Dominguez

Refer to: MP31(642-02)
Page 2 of 2

- (2) Environmental Evaluation Checklist. A brief synopsis of the project is included as Enclosure (3).
4. Please return a copy of the Enclosure (1) document with signatures as indicated so that these records can be maintained with other NEPA compliance documentation. If you have any questions regarding this submittal, please contact Mr. Francis Celino at (504) 257-2629.



Stephen P. Brettel, Manager
Michoud Assembly Facility

(E1553-0822)

cc:
MP31/Jerry Smelser
AD10/J. Elliott

EG.22 - Environmental Evaluation Checklist for MAF

Project Title: FY05 CoF Replace Roofs 101/102
GR

Date: 8/08/02

Initials:

	<u>Yes</u>	<u>No</u>
1) Addition or modification of any air pollutant emissions sources such as vent hoods, exhaust booths and exhaust stacks; stationary combustion sources including engines, boilers, furnaces, thermal oxidizers; air emissions control devices such as carbon absorbers, baghouses, scrubbers, and exhaust system filters.	X	
2) Addition or modification of any process involving paints, coating, surface cleaning or preparation, aqueous chemicals, curing or open storage of chemicals.		X
3) Addition or modification of any groundwater monitoring or recovery wells.		X
4) Addition or modification of any stormwater facilities including swales, ditches, culverts, ponds, or the borrow canal.		X
5) Discharge of any water, wastewater, or chemical substances onto or into the ground, groundwater, chemical sewer, sanitary sewer, or storm sewer.		X
6) Addition or modification of any wastewater treatment or storage unit or process.		X
7) Construction, demolition or operation involving use or storage of acids, caustics, solvents, paints, petroleum products, PCBs, CFCs, HCFCs, Halons, radioactive substances, hazardous/toxic chemicals or other regulated substances.	X	
8) Addition or modification of any existing system or process which uses, treats or stores any acids, caustics, solvents, paints, petroleum products, asbestos, PCBs, CFCs, HCFCs, Halons, radioactive substances, hazardous/toxic chemicals or other regulated substances.	X	
9) Any transportation of any hazardous waste off MAF property.	X	
10) Any electrical equipment being taken out of service including pole or pad mounted transformers, large capacitors or light ballast.		X
11) Any construction, demolition, or renovation involving Asbestos Containing Material (ACM) including floor tile, transite siding/ductwork/partitions, roofing material, or pipe, tank, chiller or boiler insulation.	X	
12) Any soils or sediments to be disturbed including digging, ditching, excavating, drilling, scraping, clearing, grubbing, pile driving, or dredging. Note: An MAF Dig Permit is required for these activities.		X
13) Any construction activities outside the MAF levee systems.		X
14) Any below ground tanks, storm, chemical or sanitary sewers to be removed or built over.		X
15) Will this project result in on-going generation of solid waste in quantities greater than 400 cu. yds. per month, medical or radiological wastes, waste requiring special handling (including: solvents, oils, cryogenes, refrigerants, halons, acids, caustics, PCBs, and any other wastes).		X
16) Use of fertilizers, insecticides, herbicides, rodenticides, biocides, or fungicides.		X
17) Activities generating noise of high levels (above 90 dBA) for prolonged times (greater than one hour).		X
18) Changes in land use patterns resulting in loss of more than 5 acres of currently undeveloped areas.		X

- | | |
|---|---|
| 19) Any activities affecting public recreation, esthetics, or public services (change of 10% or more in overall site energy consumption, increase in potable water use greater than 1000 gpd, increases in sewage amounts greater than 500 gpd, significant impacts to local transportation infrastructures, changes of 10% or more in site employment levels). | X |
| 20) Modification or replacement of any existing system which will result in a reduction of chemical releases or emissions, other pollution prevention or waste minimization. | X |
| 21) Will this project incorporate energy efficient equipment or systems or impact the current energy demand. | X |
| 22) Will this project affect structures greater than 50 years old or Buildings 110, 420, or 480? | X |
| 23) Will this project affect flood plains or wetlands? | X |
| 24) Will this project affect the health and safety of children? | X |
| 25) Will this project have disproportionately high and adverse human health and environmental effects on minority and low-income populations? | X |
| 26) Will this project effect any protected species or protected areas? | X |

Note: Any Item marked "yes" requires assessment by Environmental Management

Record of Environmental Consideration

Based upon Environmental Management Assessment, this project:

- (a) X is **categorically excluded** from the requirement for either an Environmental Assessment (EA) or Environmental Impact Statement (EIS) per 14 CFR 1216.305(d) and 14CFR 1216.305(e) and is not considered a major Federal action significantly affecting the quality of the human environment. This conclusion is based upon the determination that the effects of this project:
- Are not controversial, uncertain, and do not involve unique or unknown risks.
 - Do not include impacts to public health and safety, unique geographic resources, historic or cultural resources, endangered or threatened species, or other features having recognized value.
 - Do not include a threat of violation of federal, state, or local environmental laws.
- (b) _____ will require an EA per 14CFR 1216.305(a) and 14CFR 1216.305(b).
- (c) _____ will require an EIS per 14CFR 1216.305(c).

Assessor: M. Lisa Alexis 8/9/02

Environmental Management Review Data Sheet

Project Title: EY05 CoF Replace Roofs 101/102

Prepared by: M. Lisa Alexis Date: 8/09/02

I. Based on Environmental Management's review the following permits must be modified and approved prior to the start of project construction.

<u>Permit</u>	<u>Estimated Date Permit Approved</u>
<u>None Required</u>	

II. Based on Environmental Management's review the following permits must be modified and approved prior to the start of operations.

<u>Permit</u>	<u>Estimated Date Permit Approved</u>
<u>None Required</u>	

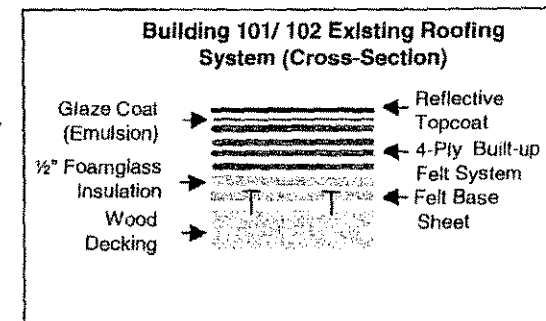
No permits required.
ADVF may be required.
All asbestos and lead based paint will be handled in accordance with LDEQ regulations.

MSFC/MAF Replace Roofs (101/102)

\$2,000,000

Description

- Building 101 is an Administrative and Engineering building supporting the External Tank and Advanced Programs
 - Included within this building :
 - MAF Entrance Lobby, Credit Union, and Project Information Center (PIC)
 - Mission Support Rooms (MSR) - communications room between MAF, MSFC, and KSC during launches
- Building 102 is an Engineering building providing office space for ET engineering/production support personnel, such as Technical Operations , Production, Tooling, Product Assurance and Facilities
- Building 101/ 102 Passageways connect the two buildings while providing protection from the weather
- This project provides for the replacement of the roofing structures of Buildings 101 and 102, as well as the Buildings 101/102 Passageways
- The project involves:
 - Removing built-up roof system down to wood decking (Building 101 ~41,854 ft² , Building 102 ~ 57,275 ft² & Buildings 101/ 102 Passageways ~ 1,214 ft²)
 - Repairing/ replacing deteriorated roof deck as necessary
 - Installing new built-up, sloping roofing structure for Buildings 101, 102, and Passageways to accommodate drainage
 - Replacing all metal flashings and copings
 - Replacing all deteriorated drains and vents at roof penetrations, as necessary
 - Replacing all fan house roofs
 - Installing lightning protection system
 - Removing and disposing all construction debris



MSFC/MAF Replace Roofs (101/102)

\$2,000,000

Building 101: 41,854 ft²
Building 101/102 Passageways: 1,214 ft²
Building 102: 57,275 ft²

