

Refurbishment and
Museum Installation

for the

LUNAR EXCURSION MODULE SIMULATOR

NATIONAL HISTORIC LANDMARK

National Aeronautics and Space Administration
Langley Research Center
Hampton, Virginia

DESCRIPTION OF
UNDERTAKING ALTERNATIVES

Attachment D
2 Pages

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DESCRIPTION OF UNDERTAKING ALTERNATIVES

1. NO ACTION. The remains of the LEMS had been parked on a concrete pad with its own security fencing in the vicinity of Lunar Lander gantry. Over the years, and prior to NHL status nomination, the reusable components had been salvaged and pressed into service for ongoing research. Since the enclosure is not in the way of current activities, to take "no action" was an option; however, this would have resulted in serious deterioration and eventual destruction of the Landmark. Also, it would have continued to be inaccessible to the public. Neither of these effects are acceptable to LaRC, nor are they in keeping with the intent of Federal legislation.
2. DISPOSAL. The LEMS has totally satisfied its purpose: that of preparing astronauts for for the last 150' of Lunar landing. It would have been routine to dispose of or totally recycle the apparatus upon completion of its use. Long before NHL status was established, LaRC wisely saved the bulk of the craft. LaRC would not then nor now discard it and lose such a historic resource.