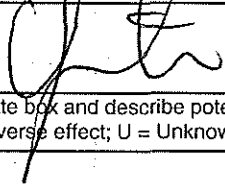



DFRC REQUEST FOR ENVIRONMENTAL IMPACT ANALYSIS		DFRC CONTROL NUMBER 03-04			
INSTRUCTIONS: Section I to be completed by Proponent. Sections II and III to be completed by the Safety, Health & Environmental Office. Continue in Block 19 or attach additional sheets as necessary and reference appropriate item number(s).					
<b>SECTION I - PROPONENT INFORMATION</b>					
1. TO: Safety, Health, & Environmental Office Code SH		2. FROM: (Proponent organization and functional address symbol) Airborne Sciences - Code Y			
		2a. TELEPHONE NO. 2482			
3. TITLE OF PROPOSED ACTION/START DATE NASA DC-8 Airborne Laser Terrain Mapper (ALTM) Mission		7/16/2003			
4. PURPOSE AND NEED FOR ACTION ( Describe why you need to take this action.) This action would collect data in support of scientific projects serving the NASA , federal, state, and academic scientific communities. The mission is required to collect high-resolution range measurements for the purpose of sensing obstacle locations and heights below the flight path.					
5. DESCRIPTION OF PROPOSED ACTION AND ALTERNATIVES (DOPAA)(Provide sufficient details for evaluation of the total action.) This action will use the ALTM and a X-band weather radar. The equipment would be brought to Building 1623 from NASA Largely on July 16, 2003, and would be installed directly on the DC-8. After installation, the DC-8 would do a local shakedown flight then several flights around the Reno, Nevada area. The flight period should be completed no later than August 4. Upon completion of the mission the ALTM and X-band weather radar would then be removed from the plane. The ALTM utilizes a class 4 laser. There would be no ground emissions, and airborne emissions will be mitigated by altitude and by separation from other aircraft. <i>(continued in sep 19)</i>					
6. PROPONENT Chris Miller		6a. SIGNATURE 			
		6b. DATE 5/1/2003			
<b>SECTION II - PRELIMINARY ENVIRONMENTAL ANALYSIS</b> (Check appropriate box and describe potential environmental effects and mitigations.) ( + = positive effect; 0 = no effect; - = adverse effect; U = Unknown effect )					
7. NOISE (Source, intensity, duration, etc.)		+	0	-	U
8. AIR QUALITY (Emmissions, attainment status, state implementation plan, etc.)				X	
9. WATER RESOURCES (Quality, quantity, source, etc.)			X		
10. SAFETY & OCCUPATIONAL HEALTH (Asbestos/radiation/chemical exposure, explosives safe quantity-distance, etc.)				X	
11. HAZARDOUS MATERIALS/WASTE (Use, storage, generation, solid waste, etc.)				X	
12. BIOLOGICAL RESOURCES (Wetlands, floodplains, flora, fauna, etc.)			X		
13. CULTURAL RESOURCES (Native American burial sites, archeological, historical, etc.)			X		
14. GEOLOGY & SOILS (Topography, minerals, geothermal, Superfund Program, seismicity, etc.)			X		
15. SOCIOECONOMIC (Employment/population projections, school and local fiscal impacts, etc.)		X			
16. OTHER (Potential impacts not addressed above) None					
<b>SECTION III - ENVIRONMENTAL ANALYSIS DETERMINATAION</b>					
17. <input checked="" type="checkbox"/> PROPOSED ACTION QUALIFIES FOR CATEGORICAL EXCLUSION (CATEX) # 4.2(2) ; OR <input type="checkbox"/> PROPOSED ACTION DOES NOT QUALIFY FOR A CATEX; FURTHER ENVIRONMENTAL ANALYSIS IS REQUIRED.					
18. SHE OFFICE CERTIFICATION Dan Morgan		18a. SIGNATURE 		18b. DATE 5-16-03	

