



Neil A. Armstrong Flight Research Center

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Aviation Safety Intern (Code 700)

University of Michigan
School of Public Health

MPH Candidate
Industrial Hygiene/Exposure Science

Agenda

- Emergency Aircraft Data Books
- Job Hazard Analysis
- Hydrazine Response Procedures

Emergency Aircraft Data Books



- Provide relevant information to first responders
- Worked with Crew Chief, Photographer, Life Support and Graphics
- Provided storyboard to graphics department (next slide)
- They made finished product easy to understand (2 slides ahead)

F-18 NASA 846 REGISTRATION: N846NA

CREW EXTRACTION

Pull communication and oxygen quick disconnects



Release leg restraints:
Push button and lift
**MANUAL
OVERRIDE**
handle



Release lap belt fitting



Release survival kit
1 fitting each side



Release shoulder harness
1 fitting each side



Pull G-Suit quick disconnect
from console



Note to Graphics: This is just a draft and is very busy. Please use your judgment for making it look proper

POWER SHUTDOWN



Both Condition Levers
to FUEL CUT OFF



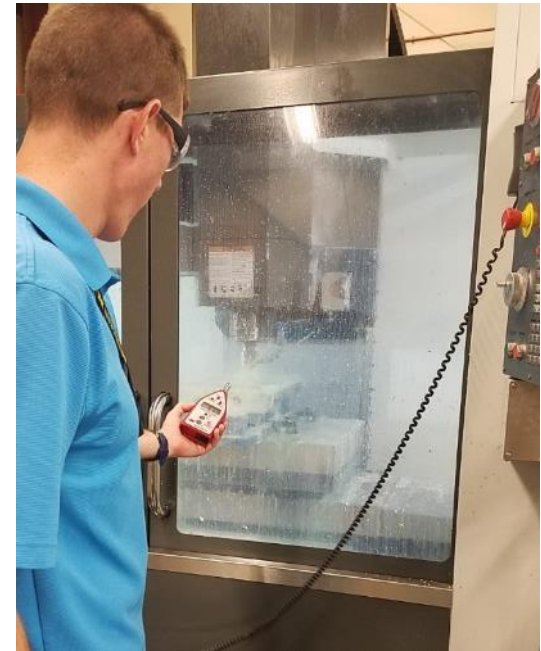
Battery and generators to OFF
(Behind Left Yoke)



Job Hazard Analysis

Job Hazard Analysis			
JHA Number	Job/Activity	Performed by/Date	Reviewed by/Date
Location/Shops/Code	List PPE & training Requirements		
Job Process Steps	Hazard/Health Risks	Consequences	Controls
Additional Comments/Concerns			

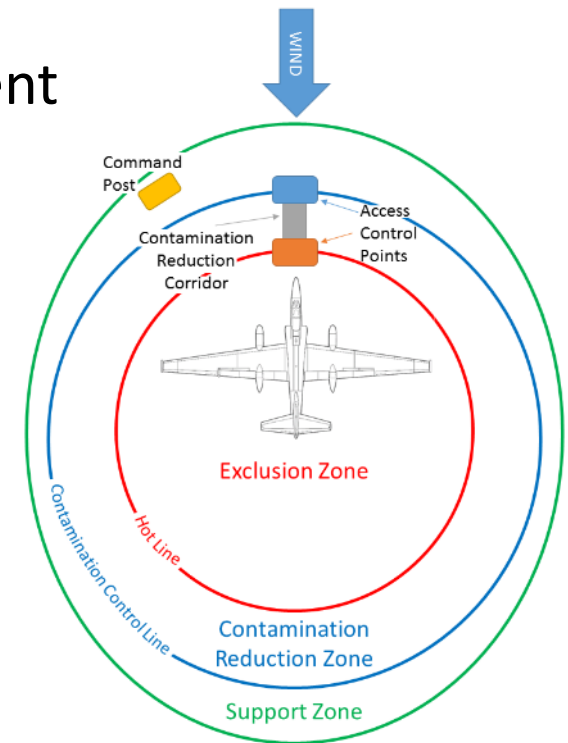
- Formalized program for conducting Job Hazard Analysis
- Coordinated with other NASA centers for “best practices”
- Developed local JHA sheet for recording information
- Worked with multiple shops to identify and mitigate workplace hazards



Hydrazine Response Procedures Review



- Reviewed current center directive and equipment
- Coordinated with other NASA centers for “best practices”
- Integrated Decontamination Plan
- Identified additional equipment to purchase



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F-1	 YELLOW JACKET Y71 Direct Delivery 14 days shipped ARO Qty 2 \$1,242.70 EA [reduce price] \$2,485.40 Mfr: BIG ASS FANS	☐
Sub Total: \$2,485.40		
Notes	ANDAX INDUSTRIES, L.L.C. (GS-07F-5489P)	Get a Quote (eBuy)
F-2	 CHEM-TRAP - W/ HD BASE CTT-065 HD Direct Delivery 30 days delivered ARO Qty 3 \$162.72 EA [reduce price] \$488.16 Mfr: ANDAX INDUSTRIES	☐
Sub Total: \$488.16		
Notes	ROEBUCK PRECISION MACHINE, INC. (GS-21F-0074W)	Get a Quote (eBuy)
	 COVERALLS SL122B-2XL Direct Delivery 7 days delivered ARO Qty 1 \$213.33 CA [reduce price] \$213.33 Mfr: DUPONT	☐
Sub Total: \$213.33		

Cart Summary

Total: \$3,214.87

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STEP

LEVEL 1



Any Questions?