

# GFE DUTIES AND RESPONSIBILITIES

## LT 7.2



NICKOLA SAATCHI PARTNER

NICKOLA  
SAATCHI PARTNER



CONCRETE CONCRETE

# REFERENCES / ENABLING OBJECTIVES



29 CFR 1910.1000, OSHA PEL

NTTP 3-20.31 SURFACE SHIP SURVIVABILITY

OPNAVINST 5100.19 (series) NAVOSH SAFETY MANUAL

GFE/GFEPO Enlisted Course K-495-0051

Describe GFE, GFEA, GFEPO:

- Training & Qualification Requirements
- Duties and Responsibilities
- Recertification Requirements
- Authority to Certify Spaces
- Annual Audit of GFE Program



# Gas Free Requirements, Training and Quals



GFE



GFEA



GFPEO



# GFE

- 1 per Ship
- **E-7 or Above**
- CO's Designation Letter
- Valid CPR Quals
- Formal School
- 40 Hours Practical Work U/I  
(waiverable)



# \* **GAS FREE ENGINEER WAIVER**

**C.O. May Waive Requirement  
for 40 Hours of Practical  
Training in Writing if:**

**✦ Candidate Has Graduated  
from Approved Training  
Within Past 36 Months**

**AND**

**✦ Unit Does Not Have Qualified  
GFE Onboard**



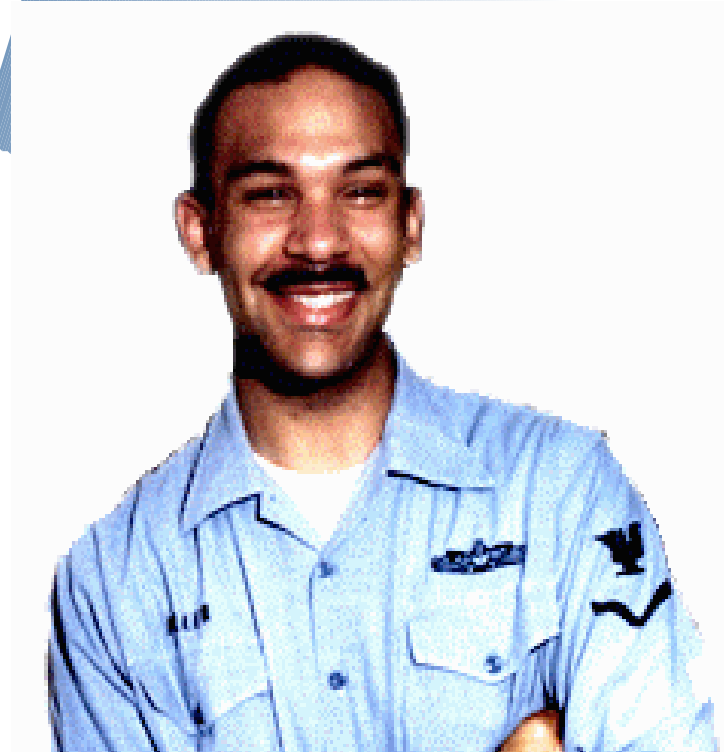
# GFEA

- 1 per Ship
- **E-6 or Above**
- CO's Designation Letter
- Valid CPR Quals
- Formal School



# GFPEPO

- 1 per IET (minimum)
- E-4 or above
- CO's Designation Letter
- Valid CPR Quals
- Formal School



# Who Can Certify What For Initial Entry

- **Confined Spaces with Toxins & Flammables**
- **IDLH Spaces**
- **Tank Cleaning**
- **Confined Space Painting**
- **Inerting / Pressing Up**



**GFE**





# Who Can Certify What For Initial Entry



- **Same as the GFE**
- **Must be specified in Designation Letter**



**GFEA**



# Who Can Certify What For Initial Entry



- **No Spaces With Toxics or Flammables**
- **No CHT, Fuel or Otherwise IDLH Spaces**
- **No Tank Cleaning**
- **No Inerting / Pressing Up**



# Hot Work Inspections, Tests and Certificates



- **Spaces with Flammables**
- **Machinery / Engine Room, Catapults, Bilges**
- **Pressurized Systems, Pipes, Coils, Pumps**
- **Hollow Drums, Stanchions**



# Hot Work Inspections, Tests and Certificates



- Same as the GFE
- Must be specified in Designation Letter



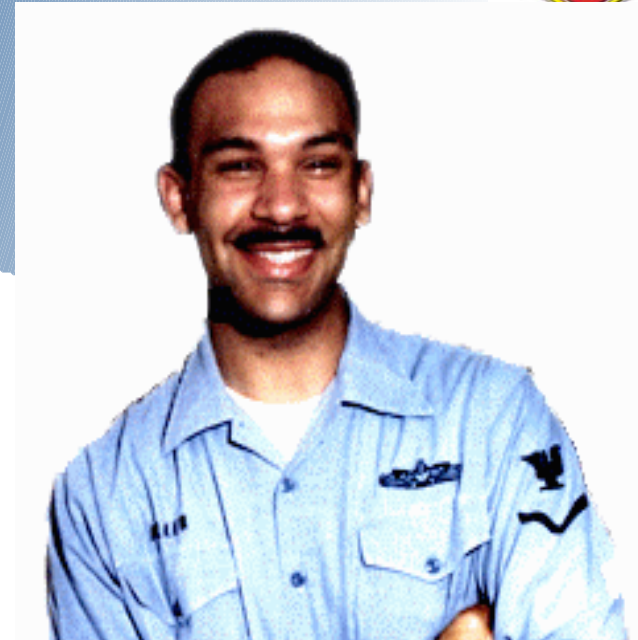
**GFEA**



# Hot Work Inspections, Tests and Certificates



- **No Spaces With or Near Flammable Boundaries**
- **No Machinery / Engine Rooms, Catapults, Bilges**
- **No Pressurized Systems**
- **No Pipes, Coils, Pumps, Hollow Drums, Bits, Stanchions...**



# Gas Free Program Administration

## GFE



**GF Program Manager**

**Establish Requirements in Gas Free Instruction**

**Establish Emergency Rescue & Medical Treatment**

**Maintain GF Log**

**Ensure Proper Equipment / PPE**

**APPENDIX C: NSTM 074v3**

**p. C-1 : SAMPLE GAS FREE NOTEBOOK**

**p. C-2: SAMPLE GAS FREE INSTRUCTION**

**p. C-18 - 20: SAMPLE DESIGNATION LETTERS**

**p. C-28: EMERGENCY CHECKLIST**

**APPENDIX B: SAMPLE TRAINING OUTLINE**



# Safety Supervision



**GFE**



**GFEA**

- **Enforce Proper Procedures**
- **Ensure Personnel Do Not Work Alone**
- **Stop Work if Unsafe**



**GFPEO**



# RECERTIFICATION PROCEDURES



1. Annual Verification of CPR & Emergency Rescue Procedures Drill

2. Engaged in GFE During the Year, Issued 10 Certificates

- a.) If Above **Has Not Been Satisfied, Complete 5 Gas Free Evolutions Under Supervision of a Certified GFE**
- b.) If Above **Is Not Possible, Complete an Oral/Written Exam and a Practical Exercise**





# ANNUAL AUDIT PROCEDURES



- Ship's Safety Officer Shall Annually Audit GFE Program (NSTM 074 v3)
- Auditor will Follow the Checklist for GFE  
<http://www.dcfp.navy.mil/>
- Evaluates the GFE Service Personnel for Recertification
- Document Crew Training Upon Reporting & Prior to and Annually
- GFE Personnel Letter of Designation and Qualifications Shall be Recorded in Individual's Service Record





**WELCOME!**

NAVSEA 05P4's site is dedicated to the damage control organization. Make this the first stop to find information needed to be more knowledgeable performing your job. The content offered here helps improve damage control readiness for training cycles, equipment and professional skill sets.

[Contact us](#) if you don't find something, need assistance or have a suggestion to improve this site.

**Damage Control Central**

*Learning from the Past  
Training for the Future*  
 The 2005 DC/FF/CBRD Working Group Conference  
[www.dcffwg.navy.mil](http://www.dcffwg.navy.mil)



**Looking for a Tip?**



Provide [feedback](#) on DCTV.

**132,225**  
Visitors Since 22APR04

Last Updated 14 MAR 06  
 How to Use This Site  
 E-mail Webmaster

USN ♦ USMC ♦ USCG ♦ USMM  
 NAVSEA ♦ NAVAIR ♦ Navy Jobs

**WHAT'S HOT**

[171646Z FEB 06 DCRA 2006-03 For Dry Filter Unit \(DFU\) Hand Held Assembly \(HHA\) Conical Tube](#)

[ACH 1/A to HSTM 555v1r11 - Clarification of Guidance for LPD-17 Class Ships and Use of Sprinklers for Fire Boundaries](#)

[230104Z JAN 06 DCRA 2006-02 Main and Secondary Drainage Systems](#)

[131536Z JAN 06 DCRA 2006-01 Annual Review of Damage Control Readiness Advisories \(DCRAS\)](#)

[Afloat-Self Assessment \(ASA\) Administration Check Sheets](#)

[Material Condition Assessment Check Sheets updated 20DEC05](#)

[CBR-D Portable Detection Equipment AEL Update](#)

See also [What's New](#)

Site Search  
  
 Go

- Home
- About Us
- Site Map
- Contact Us
- DC Community
- What's New
- Rapid Plotting**
- FAQ
- DC Central**
- Equipment & Systems
- R&D New Technologies
- Software
- Training
- Library
- Media Center
- Links
- CBR-D
- Safety-NDI
- GFE / FM
- ASA Admin. Check Sheets
- Material Condition Assess. Check Sheets
- Magazine Sprinkler Systems

# SUMMARY



❖ We described the training and qualifications for Gas Free Engineering Program

❖ We described the duties and responsibilities of the Gas Free Engineer / Gas Free Engineering Petty Officer

❖ We described the recertification requirement of the Gas Free Engineer

❖ We described the requirement for the annual audit and authority of the Gas Free Engineer



# ANY QUESTIONS?

- REVIEW QUESTION #1: **How Often is the Gas Free Program Audited?  
Who is the Inspector?**
- **Annually**
- **Safety Officer**

# **REVIEW QUESTION #2: Describe the Recertification Procedures for all GF Personnel**

- **Valid CPR Quals**
- **Annual Emergency Rescue**
- **Issue 10 Certificates**
  - **If Not Feasible, Perform 5 GFE Evolutions Under GFE Supervision**
  - **Or Oral/Written and Practical Exam**

# REVIEW QUESTION #3:

Can a GFPEO do an INITIAL Certification for Hot Work to be conducted in Aux 1?

**No.**

**Why Not?**

