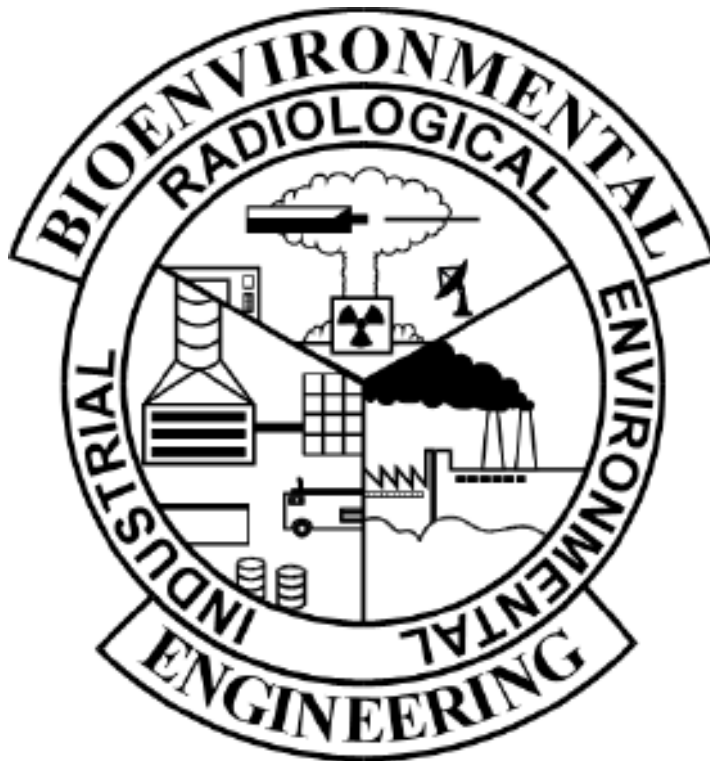


AIR FORCE SPECIALTY CODE 4B071 BIOENVIRONMENTAL ENGINEERING

OEH Process Assessment



QUALIFICATION TRAINING PACKAGE

Accessibility: *Publications and forms are available on the e-publishing website at <http://www.e-publishing.af.mil> for downloading or ordering.*

Releasability: *There are no releasability restrictions on this publication.*

Table of Contents

STS Line Item 4.2.2.1: Review routine assessments 1

 TRAINER GUIDANCE..... 1

 TASK STEPS 2

 TRAINEE REVIEW QUESTIONS 3

 PERFORMANCE CHECKLIST..... 4

 ANSWERS 5

STS Line Item 4.2.3: Prioritize special assessments..... 6

 TRAINER GUIDANCE..... 6

 TASK STEPS 7

 TRAINEE REVIEW QUESTIONS 8

 PERFORMANCE CHECKLIST..... 10

 ANSWERS 11

STS Line Item 4.2.2.1: Review routine assessments

TRAINER GUIDANCE

| | |
|--|---|
| Proficiency Code: | 3c |
| PC Definition: | Can do all parts of the task. Needs only a spot check of completed work. Can identify why and when the task must be done and why each step is needed. |
| Prerequisites: | None |
| Training References: | Air Force Manual (AFMAN 48-146), <i>Occupational and Environmental Health Program Management</i> , 9 Oct 12, Chapter 2 and Attachments 2 and 3. Air Force Instruction (AFI) 48-145, <i>Occupational and Environmental Health Program</i> , 15 Sep 11. Air Force Manual (AFMAN) 48-154, <i>Occupational and Environmental Health Site Assessment</i> , Certified Current 22 Mar 10, Chapter 3. |
| Additional Supporting References: | Department of Defense Instruction (DoDI) 6055.05, Enclosure 3, 11 Nov 08. Bioenvironmental Engineering Field Manual, Section 1.0, 30 Apr 2009. |
| CDC Reference: | 4B051 |
| Training Support Material: | Activity assessment data for specified work center. |
| Specific Techniques: | Conduct hands-on training and evaluation. |
| Criterion Objective: | Given an industrial work center routine assessment to perform, successfully complete all checklist items with NO trainer assistance. |
| Notes: | |

TASK STEPS

1. Review previous OEH assessment data to include reviewing occupational health outcome data (i.e. occupational illness trends).
2. Review compliance assessment data checklists of applicable occupational health programs (GARRISON ONLY).¹
3. Ensure routine assessment data has been updated in DOEHRS.²
4. Ensure/Validate risk assessment/determination for each hazard identified considering data available in DOEHRS.
5. Review survey report.³
6. Review Occupational and Environmental Health Exposure Document (OEHEd).

LOCAL REQUIREMENTS:

NOTES:

1. Occupational health programs to be evaluated (i.e.: Respiratory Protection, Confined Space, etc.) and review compliance inspection results in DOEHRS.
2. Administrative data, processes performed by the shop, changes in processes from previous evaluations, hazards associated with each process, controls associated with each process, similar exposure groups (SEG), personnel in correct SEG(s).
3. Recommended content for routine OEH assessment reports includes:
 - Cover letter.
 - Summary of health risks and list of current processes which exceed action levels, or exposure pathways with unacceptable exposure.
 - Summary of all RACs assigned to the shop/processes
 - Recommendations and required follow-up actions, including suspense dates and request to notify BE of completion in writing.
 - Direct the workplace supervisor (or equivalent) to make the report and attachments available to all employees IAW AFI 91-202, paragraph 1.5.20.10.
 - Attachments:
 1. Identified health risk controls linked to specific process(es) and SEG(s), or exposure pathways and PAR(s).
 2. Certified PPE list (mandatory).

TRAINEE REVIEW QUESTIONS

STS Line Item 4.2.2.1: Review routine assessments

- | |
|--|
| 1. What is the aim of a routine assessment? |
| 2. SrA Johnson has completed his routine assessment of the Aircraft Structural maintenance Shop. He has provided the following information to you: a cover letter, process listing with associated risks and exposure levels for those risks, recommendations and follow-up actions. What routine OEH assessment report items are missing? |
| 3. Before conducting the opening conference, what must you do to gain a working knowledge of the shop activities, compliance requirements, and health risks? |

PERFORMANCE CHECKLIST

STS Line Item 4.2.2.1: Review routine assessments

| | |
|--------------------------|---|
| Proficiency Code: | 3c |
| PC Definition: | Can do all parts of the task. Needs only a spot check of completed work. Can identify why and when the task must be done and why each step is needed. |

| DID THE TRAINEE... | | YES | NO |
|--|--|-----|----|
| 1. Review previous OEH assessment data to include reviewing occupational health outcome data (i.e. occupational illness trends)? | | | |
| 2. Review compliance assessment data checklists of applicable occupational health programs? (GARRISON) | | | |
| 3. Ensure routine assessment data has been updated in DOEHS? | | | |
| 4. Ensure/validate risk assessment/determination for each hazard identified considering data available in DOEHS? | | | |
| 5. Review survey report? | | | |
| 6. Review the Occupational and Environmental Health Exposure Document (OEHD)? | | | |
| Did the trainee successfully complete the task? | | | |

TRAINEE NAME (PRINT)

TRAINER NAME (PRINT)

ANSWERS

1. What is the aim of a routine assessment?

A: Routine assessments are designed to be short-duration, and identify/prioritize the need for a more in-depth (special) assessment. The information collected during a routine assessment is used to focus limited resources in a prioritized manner

(Source: AFI 48-145, *Occupational and Environmental Health Program*)

2. SrA Johnson has completed his routine assessment of the Aircraft Structural maintenance Shop. He has provided the following information to you: a cover letter, process listing with associated risks and exposure levels for those risks, recommendations and follow-up actions. What routine OEH assessment report items are missing?

A: Suspense dates and request to notify BE of completion in writing for follow-up actions. Inform the workplace supervisor (or equivalent) to make the report and attachments available to all employees IAW AFI 91-202, paragraph 1.5.20.10. Identified health risk controls linked to specific process(es) and SEG(s), or exposure pathways and PAR(s). Certified PPE list (mandatory).

(Source: AFMAN 48-146, *Occupational and Environmental Health Program Management*)

3. Before conducting the opening conference, what must you do to gain a working knowledge of the shop activities, compliance requirements, and health risks?

A: Review previous assessments

(Source: 48-145, *Occupational and Environmental Health Program*)

STS Line Item 4.2.3: Prioritize special assessments

TRAINER GUIDANCE

| | |
|--|--|
| Proficiency Code: | 3c |
| PC Definition: | Can do all parts of the task. Needs only a spot check of completed work. Can identify why and when the task must be done and why each step is needed. |
| Prerequisites: | None |
| Training References: | AFMAN 48-146, <i>Occupational & Environmental Health Program Management</i> , 9 Oct 12, Chapters 3 and Attachment 2 and 3 |
| Additional Supporting References: | AFI 48-145, <i>Occupational Health Program</i> |
| CDC Reference: | 4B051 |
| Training Support Material: | Occupational health surveillance data or scenario <i>TVLs® and BEIs® Based on the Documentation of the Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices</i> , ACGIH, latest edition |
| Specific Techniques: | Conduct hands-on training and evaluation. Training should be performed in conjunction with AFI 48-146. |
| Criterion Objective: | Given occupational health surveillance data or scenario, prioritize special activity-based surveys successfully completing all checklist items with NO trainer assistance. |
| Notes: | |

TASK STEPS

1. Gather/Review risk assessment factors identified during the routine assessment.¹
2. Determine the Exposure Assessment Priority.²
3. Document the prioritization score in OEHMIS (DOEHRS or equivalent).³

LOCAL REQUIREMENTS:**NOTES:**

1. Pay attention to confidence in hazard characterization, confidence in controls, exposure rating, and health hazard rating factors for each project.
2. Using the EAP model in 48-146 para 2.4, plug in all the ratings gathered from step 2 above.
3. The EAP can also be calculated in DOEHRS and then the trainee should determine where the special assessment should fall in the overall BEF assessment schedule.

TRAINEE REVIEW QUESTIONS

STS Line Item 4.2.3: Prioritize special assessments

- | |
|---|
| 1. How are OEH special assessments prioritized? |
| 2. Your Airman is out doing a vent survey at the Blast/Paint shop. The ventilation system has not met criteria for the third quarter in a row. What is the next plan of action for this system? |
| 4. What is the uncertainty rating for a hazard where the confidence characterization is “Low” and confidence in controls is “Medium”? |

5. The Aircraft Corrosion Control shop at Regnault AFB has reported that airmen there are exhibiting symptoms of intoxication and have requested a special assessment. When you arrive to determine a possible source, you observe five airmen cleaning aircraft parts with a solvent. The five airman who are actively cleaning while you are observing are wearing rubber gloves, goggles (which you recognize as splash proof), and water resistant boots. You obtain a 15-minute breathing zone air sample from each of them and determine that one of them is inhaling 1050 ppm of trichloroethylene which is still a component of the solvent used at this shop, while the others' results show only 960 ppm of the same chemical. What is the EAP for this cleaning process?

PERFORMANCE CHECKLIST

STS Line Item 4.2.3: Prioritize special assessments

| | |
|--------------------------|---|
| Proficiency Code: | 3c |
| PC Definition: | Can do all parts of the task. Needs only a spot check of completed work. Can identify why and when the task must be done and why each step is needed. |

| DID THE TRAINEE... | | YES | NO |
|--|--|-----|----|
| 1. Gather/Review risk assessment factors identified during the routine assessment? | | | |
| 2. Determine the Exposure Assessment Priority (EAP)? | | | |
| 3. Document the prioritization score in OEHMIS (DOEHRS or equivalent)? | | | |
| Did the trainee successfully complete the task? | | | |

 TRAINEE NAME (PRINT)

 TRAINER NAME (PRINT)

ANSWERS

1. How are OEH special assessments prioritized?

A: Special assessments will be actively managed, scheduled, completed or deferred using the priority established in **Table 2.5**.

(Source: AFMAN 48-146, *Occupational and Environmental Health Program Management*)

2. Your Airman is out doing a vent survey at the Blast/Paint shop. The ventilation system has not met criteria for the third quarter in a row. What is the next plan of action for this system?

A: In situations where a special assessment has identified a health hazard that requires action by a non-BE entity, a Risk Assessment Code (RAC) should be assigned.

(Source: AFMAN 48-146, *Occupational and Environmental Health Program Management*)

6. What is the uncertainty rating for a hazard where the confidence characterization is “Low” and confidence in controls is “Medium”?

A: 4

(Source: AFMAN 48-146, *Occupational and Environmental Health Program Management*)