

## International Union of Operating Engineers Snapshot:

<b>DOE TRAINING:</b>
<b>Principal Investigator:</b>
<ul style="list-style-type: none"> <li>Barbara McCabe</li> </ul>
<b>Evaluator(s):</b>
<ul style="list-style-type: none"> <li>ATL International, Inc – provided a peer review</li> </ul>
<b>Grant Number:</b>
<ul style="list-style-type: none"> <li>U45ES09763</li> </ul>
<b>Goal(s) of Evaluation:</b>
<ul style="list-style-type: none"> <li>Determine specific impacts of training and record workplace exposures</li> <li>Assess whether the training meets the needs of the workers both to work safely on the job and to be employable</li> </ul>
<b>Evaluation tools:</b>
<ul style="list-style-type: none"> <li>Use of a revised standardized paper survey of the Experience and Exposure Profile (EEP) to record experiences and workplace exposures.</li> <li>Online trainee follow-up survey six months after training, asks about specific impacts of training.</li> <li>Written tests, hands-on exercises, scenarios, and competency based evaluation methods are provided to local unions and DOE sites.</li> <li>Quality Control program assessment incorporates course evaluations and trainee feedback that supplement the program review by management.</li> <li>Impact evaluations (measuring worker behavior change on the job and employability) are conducted.</li> <li>Anecdotal feedback is collected.</li> </ul>
<b>Population Served:</b>
<ul style="list-style-type: none"> <li>Heavy equipment operators and stationary engineers at DOE sites</li> <li>A cadre of peer trainers from this group</li> </ul>
<b>Types of Courses/ Training Curricula Offered:</b>
<ul style="list-style-type: none"> <li>Trainer courses such as HAZWOPER Train-the-Trainer, Teaching Techniques, OSHA 521 Industrial Hygiene/Monitoring</li> <li>Other trainings such as HAZWOPER Basic Superfund Site Worker, Rigging &amp; Signaling, Excavation Competent Person, Radiation Worker, etc.</li> </ul>
<b>Trainers:</b>
<ul style="list-style-type: none"> <li>Peer trainers</li> <li>Consortium aims to improve instructors' credentials by helping them obtain OSHA Master Trainer Status authorization</li> <li>Additional technical experts are recruited to facilitate specialized courses and development</li> </ul>
<b>Proof of effectiveness/value?</b>
<ul style="list-style-type: none"> <li>The program was recommended to and subsequently contacted by Babcox &amp; Wilcox, the contractor at the DOE Pantex Plant site in Amarillo, Texas.</li> <li>In the 2012 report, when asked about 21 different types of health and safety related decision-making situations, 86% of respondents cited their training as either Very Important or the Main Reason they were enabled to follow the proper course of action.</li> <li>94 % of the students responding to the 2012 trainee follow up survey indicated that they had</li> </ul>

intervened for a co-worker's safety as a result of their training.

**Most beneficial aspects/well received methods:**

- Train-the-trainer peer model
- High levels of hands-on training in courses
- Use of Blackboard, a comprehensive learning management content system.
- Having staff instructors and access to hundreds of local union instructors and DOE site trainers allows the NTF to respond quickly to training needs
- Online proposal form and tracking system improves efficiency and reduces costs

**HDPT TRAINING:**

**Principal Investigator:**

- Barbara McCabe

**Evaluator(s):**

- ATL International, Inc – provided a peer review

**Grant Number:**

- U45ES06182

**Goal(s) of Evaluation:**

- Determine specific impacts of training and record workplace exposures
- Assess whether the training meets the needs of the workers both to work safely on the job and to be employable

**Evaluation tools:**

- Use of a revised standardized paper survey of the Experience and Exposure Profile (EEP) to record experiences and workplace exposures.
- Anecdotal feedback is collected.
- Online trainee follow-up survey six months after training, asks about specific impacts of training.
- Written tests, hands-on exercises, scenarios, and competency based evaluation methods are provided to local unions.
- Quality Control program assessment incorporates course evaluations and trainee feedback that supplement the program review by management.
- Impact evaluations (measuring worker behavior change on the job and employability) are conducted.

**Population Served:**

- Heavy equipment operators and stationary engineers at DOE sites
- A cadre of peer trainers from this group

**Types of Courses/ Training Curricula Offered:**

- Include Train-the-Trainer courses, Adult CPR/First Aid/AED, OSHA DSW courses

**Trainers:**

- Peer Trainers
- Additional technical experts are recruited to facilitate specialized courses and development

**Proof of effectiveness/value?**

- 94 % of the students responding to the 2012 trainee follow up survey indicated that they had intervened for a co-worker's safety as a result of their training
- In February 2012, Mr. Bob Breaux (Local Technical Assistance Program Office Manager)

requested and received Hurricane Booklets to use during training

**Most beneficial aspects/well received methods:**

- Train-the-trainer model
- Use of Blackboard, a comprehensive learning management content system
- Online proposal form and tracking system improves efficiency and reduces costs
- Equipment for training are provided to or loaned to local union training programs for use during training free of charge (other than shipping costs)

***HWWT TRAINING:***

**Principal Investigator:**

- Barbara McCabe

**Evaluator(s):**

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**Grant Number:**

- U45ES06182

**Goal(s) of Evaluation:**

- Determine specific impacts of training and record workplace exposures
- Assess whether the training meets the needs of the workers both to work safely on the job and to be employable

**Evaluation tools:**

- Use of a revised standardized paper survey of the Experience and Exposure Profile (EEP) to record experiences and workplace exposures.
- Impact evaluations (measuring worker behavior change on the job and employability) are conducted.
- Online trainee follow-up survey six months after training, asks about specific impacts of training.
- Quality Control program assessment incorporates course evaluations and trainee feedback that supplement the program review by management.
- Written tests, hands-on exercises, scenarios, and competency based evaluation methods are provided to the local unions.
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- Anecdotal feedback is collected.

**Population Served:**

- Heavy equipment operators and stationary engineers at DOE sites
- A cadre of peer trainers from this group

**Types of Courses/ Training Curricula Offered:**

- Include HAZWOPER Site Worker, MSHA New Miner, General Industry Outreach, Construction Industry Outreach, Green Chemistry/ Awareness

**Trainers:**

- Peer Trainers

- Consortium aims to improve instructors' credentials by helping them obtain OSHA Master Trainer Status authorization

**Proof of effectiveness/value?**

- In 2012, Training helped 12% of respondents to find employment, 48% to maintain employment and 4% to be promoted.
- 94% of the students responding to the 2012 trainee follow up survey indicated that they had intervened for a co-worker's safety as a result of their training.

**Most beneficial aspects/well received methods:**

- Train-the-trainer model
- Use of Blackboard, a comprehensive learning management content system
- Online proposal form and tracking system improves efficiency and reduces costs
- Equipment for training are provided to or loaned to local union training programs for use during training free of charge (other than shipping costs)