

NE529 – Risk assessment  
Project 3 – Preliminary Hazards Analysis

Name

University of Idaho • Idaho Falls Center for Higher Education  
Nuclear Engineering and Industrial Management Department

email

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# 1 PHA

(100)

Conduct a formalized PHA from the topic selected in Homework Project 1, problem 1. Or pick a new topic. Tables 6.1 and 6.2 in the book are a good place to start, but feel free to work in whatever way is most comfortable. Apply some type of visual ranking tool, whether a risk matrix, from Chapter 3 slides, generalized Farmer's chart, something else that is out there. Suggest design criteria. Also, identify what agency would be involved for relevant regulations.

## 2 Assessing the workplace

(100)

Conduct a similar PHA for your own workspace and a common area. (*Take pics!*). Evaluate the workspace and how potential hazards can be mitigated.

### **3 Assessing PHA**

**(50)**

Can system risk be properly evaluated by means of a PHA? (Short essay).

## 4 North Dakota oil fields

(50)

Watch the piece about [Why North Dakota's oil fields are so deadly for workers](#). Please discuss this topic in the same manner as the Oklahoma fracking piece. [John Oliver](#) also put together a similar piece, for further interest (*NSFW*).

## Tables

## Figures

## **Appendix I   Acronyms**

**PHA** Preliminary Hazards Analysis.