# ENVH 557 Exposure controls Winter 2008

# Case Study description and guidelines

### **Description:**

The four case study exercises will consist of an in class presentation and follow-up discussion led student groups. The presentation and discussion should last about 1 hour. The groups will choose a current topic of interest that demonstrates the application of one or more types of exposure controls presented in class. The case study can be focused on either a workplace or community setting. The case study groups will select a topic and arrange to meet with the course instructor. The discussion will be accompanied by a written information handout which describes the problem, the regulations which apply, and summarizes the types of controls which commonly are used. In addition, the handout should describe any current research issues relevant to the topic and cite additional reading materials as needed. An outline of the information handout is provided below.

# Information handout outline, (~5 to max of 10 pages):

- 1. Introduction and problem statement
- 2. Relevant regulations and standards
- 3. Relevant literature and research topics
- 4. Description of typical control methods
- 5. Discussion of strengths and drawbacks in control strategy
- 6. Recommendations for current 'State of the Art' controls
- 7. Bibliography and references

### **Grading:**

The case study exercise will be a substitute for the final exam in the course. Grading for each group will be evaluated by the instructor based on three elements: the quality and content of the presentation, the discussion participation, and the quality and content of the handout. Individual contributions to the group project will be based on peer evaluations from within the group.

### Some suggested topics:

Laboratory safety management Emission controls for reducing community PM exposures (wood stoves) Control of pesticide exposures Control of biohazards and health care settings Control of laser radiation and optical hazards Control of dust or fume emissions in a workplace Exposure controls for confined spaces