**EnvSE 408 – Contaminant Hydrology**

**Group Presentation – Planning Document**

**Identify your topic:**

1. Biological methods
2. Electrolytic methods
3. Containment and ground modification methods
4. Soil washing methods (liquid) (in situ)
5. Air stripping (gas) methods (in situ)
6. Thermal methods

**Identify a coordinator/team-leader, if relevant:**

**Identify group member(s) responsible for:**

1. **Physical Mechanisms [20%]** Describe the principal/crucial physical mechanism by which the remediation method works. Use simple illustrations of the physical principles.

1. **Influencing Factors [10%]** Describe the physical characteristics of the contaminant/aquifer/aquiclude that either limit the applicability of the method or which make the method particularly useful.

1. **Field Implementation [20%]** Describe the techniques and equipment setup that allow the technique to be used.

1. **Demonstration Level [20%]** Describe some case studies where the method has been used and highlight successes or failures to illustrate points #1 and #2 above.

1. **Applicability and Limitations [20%]** Describe characteristics that limit the use of the method or make it particularly useful, viz. #2 above.

1. **Cost and Availability [10%]** Describe estimated costs for implementation of the method standardized on some manner as $/mass or $/volume.