Introduction to technical reading

By Lien, H.L. 2003/4/22

Appendix: How to make a formal oral presentation in English?

- Material preparation:
  - Transparency or power point files→ Overhead or power point projector.
  - Using pictures, Figures, Tables, and lesser words.
  - Be organized, smooth flow, highlight the point, proper background.
- Understand all the materials that you prepared.
- Practice, practice, practice.

※Mid-term examination: Oral Presentation

Require: ~10 min/person; using transparencies or power point; prepare for a page of self-introduction (1 min to introduce yourself).

Topics: Materials related to our class will be acceptable.

e.g., 1). Analyze an article using 5W and H.

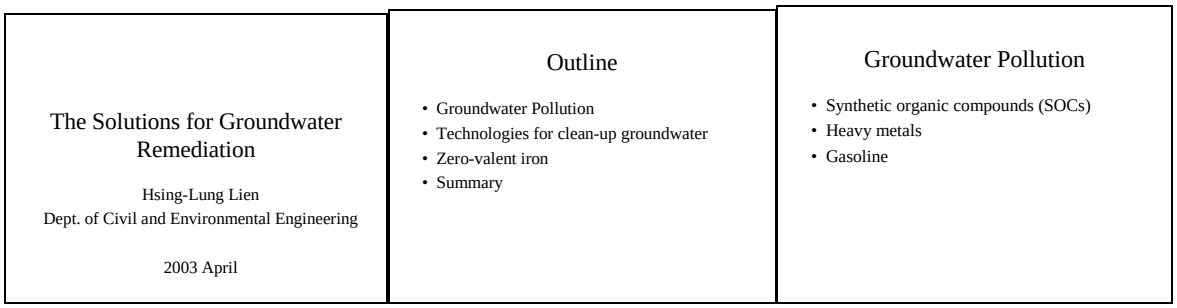
2). Using the "problem-solution" to introduce the introduction section.

3). Identify the connection between Figures and text.

Tips:

1. Repeat your title.
2. Give an outline.
3. No abstract.
4. Take a note.
5. Past tense.
6. Well-prepared (Time control).

Poor Example:



Cleanup Technology

- Pump-and-treat
- Biological treatment: Bacteria
- Chemical treatment: zero-valent iron
- Physical treatment: heating, activated carbon

Zero-valent iron

- Degradation of synthetic organic compounds: C_2Cl_4
- Removal of heavy metals: Arsenic, zinc
- Combination with permeable reactive barriers

Summary

- Groundwater pollutants: SOCs, heavy metals., gasoline.
- Treatment technologies: biological, physical, and chemical processes.
- Zero-valent iron can effectively treat SOCs and heavy metals.

Good Example:

The Solutions for Groundwater Remediation

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2003 April

Outline

- Groundwater Pollution
- Technologies for clean-up groundwater
- Zero-valent iron
- Summary

Groundwater Pollution

- Synthetic organic compounds (SOCs)
- Heavy metals
- Gasoline

Cleanup Technology

- Pump-and-treat
- Biological treatment: Bacteria
- Chemical treatment: zero-valent iron
- Physical treatment: heating, activated carbon

Zero-valent iron

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Summary

- Groundwater pollutants: SOCs, heavy metals., gasoline.
- Treatment technologies: biological, physical, and chemical processes.
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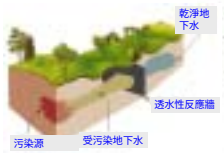
Good:

Zero-valent iron

- Degradation of synthetic organic compounds: C_2Cl_4
- Removal of heavy metals: Arsenic, zinc
- Combination with permeable reactive barriers



Poor:

Outline

- Groundwater Pollution

  --Due to leaks, spills, and releases from industrial sources, pollutants inevitably contaminate groundwater.
- Technologies for clean-up groundwater
- Zero-valent iron
- Summary

Wordy, take a note.