

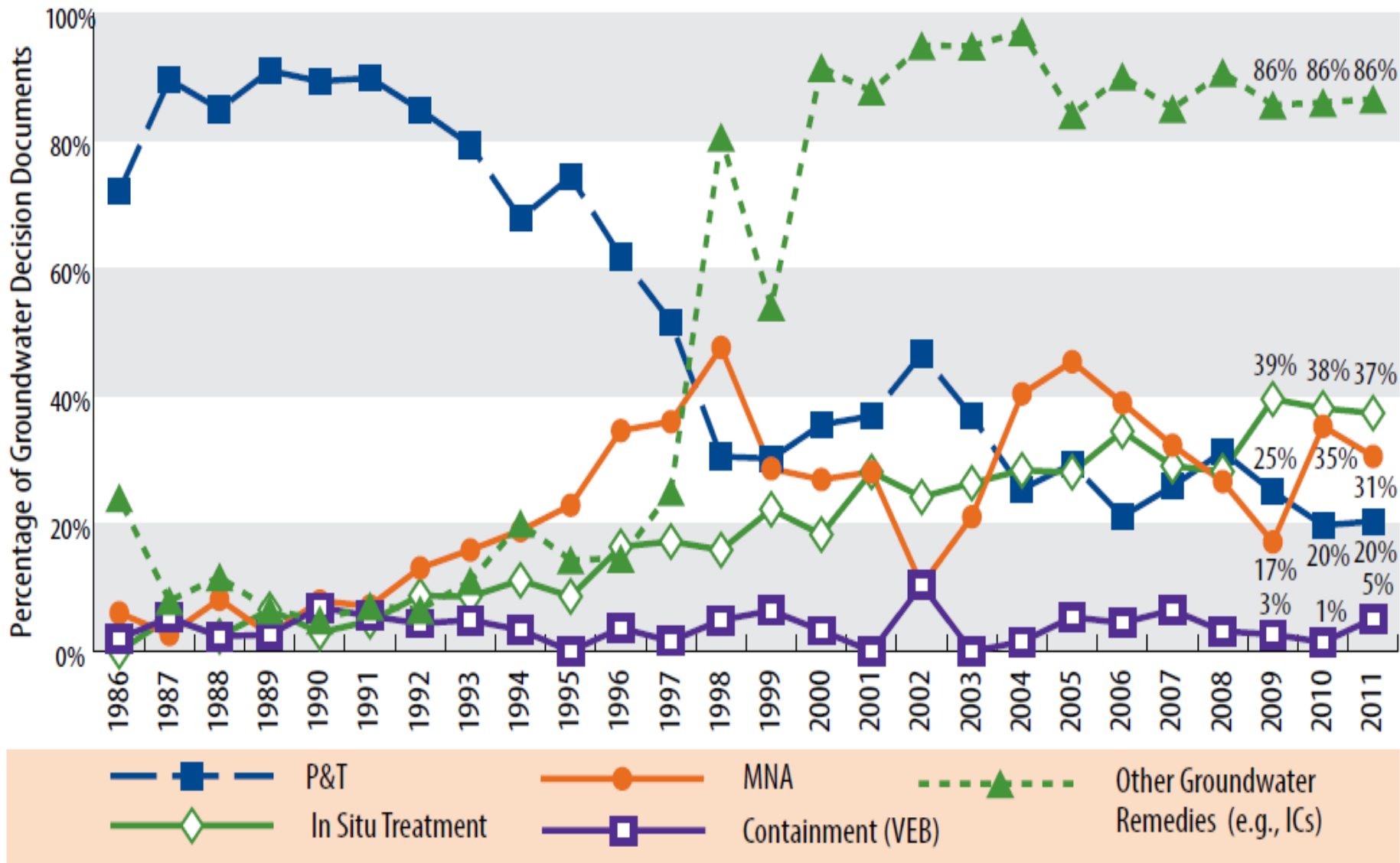
2014 MGWA Fall Conference

Industry Sector Perspectives: Examples and Observations

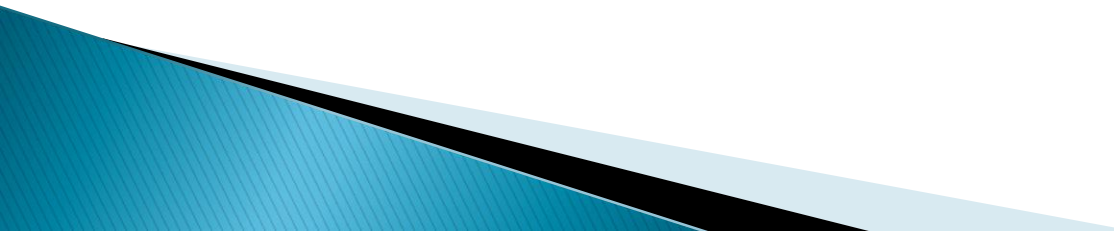
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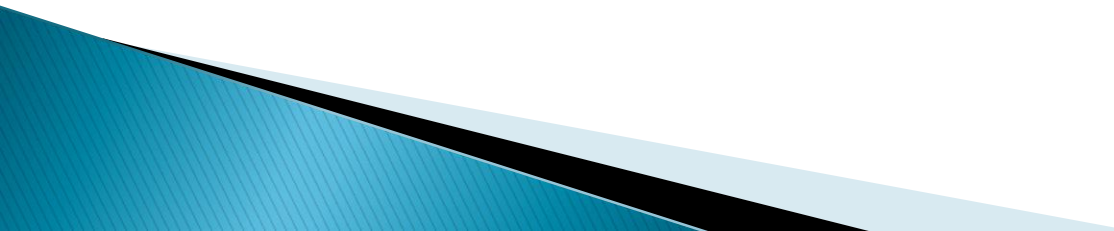
Figure 11: Selection Trends for Groundwater Remedies (FY 1986-2011)



Lessons Learned – Groundwater Remediation at Superfund Sites (1980s – present)

- ▶ Sites are complex and site conceptual models often over-simplify the situation.
 - ▶ Regulatory clean-up levels continue to go lower, making site closure even more difficult.
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Lessons Learned (cont.)

- ▶ New contaminants are sometimes identified, requiring new studies and possible changes in remedial action objectives and remedial strategies.
 - ▶ Contaminant concentrations can decrease significantly over many years with pump & treat, but returning groundwater to drinking water quality may not be feasible at many sites.
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Lessons Learned (cont.)

- ▶ Pump & treat has disadvantages as a clean-up strategy, but so do other technologies.

**Superfund sites never seem to go away –
always new issues.**