

Case Study #3

Western Processing Superfund Site

- **Central hazardous waste processing for Boeing in the Seattle Area**
- **Pump & treat for containment of contaminant plume**
- **80 gpm, 25-30 ppm Fe, 400-500 ppm hardness**
- **Initially constructed hydroxide precipitation system for removal of inorganic foulants**
- **Precipitation system constituted the majority of the treatment system costs**

Case Study #3 (cont'd)

- **After several years of operations, alternatives to precipitation were sought as part of a remedial process optimization (RPO)**
- **An alternatives comparison supported further investigation of deposit control agents**
- **Pilot work was completed on both traditional and new, blended agents**
- **Responsible party chose to mothball precipitation system in favor of blended deposit control chemical.**