



TOTAL CCP MANAGEMENT SOLUTIONS



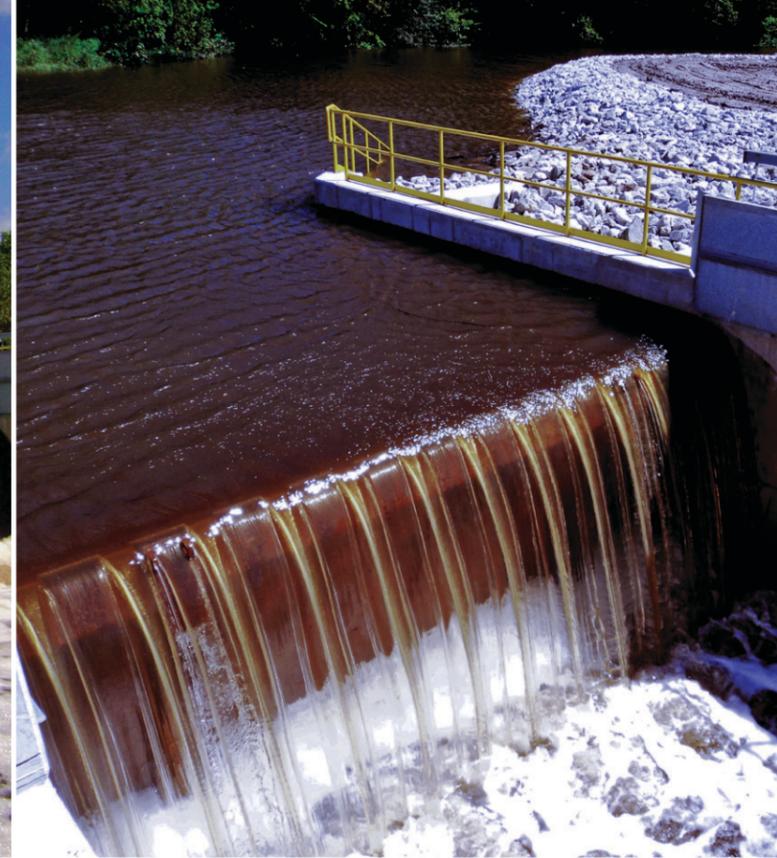
Hanson Professional Services Inc.

Hanson has extensive, specialized experience with projects involving the management of coal combustion products (CCP) from power-generating facilities. These projects include site evaluation and alternatives analyses, design, permitting, construction and monitoring of dry landfills, CCP impoundments and associated structures, as well as beneficial reuse projects. Projects also include design, permitting and construction-phase services for the closure of existing impoundments and other ash-disposal facilities involving environmental and hydrogeologic impact studies, closure plans and implementation, and long-term monitoring.

Since the issuance of the USEPA's rules regulating utility-generated CCP in 2015 and subsequent amendments, existing impoundments and landfills have faced intense scrutiny regarding dam safety and stability, as well as floodplain and groundwater impacts. Hanson has the experience and skills to work with our clients to solve problems and overcome the associated challenges.

Effluent limitation guidelines support

- Anti-degradation analyses/ environmental assessments of discharges
- Waste and process water management strategies/ hydrologic and hydraulic studies
- NPDES permitting
- Water/effluent sampling and analyses
- Storm and process water design services

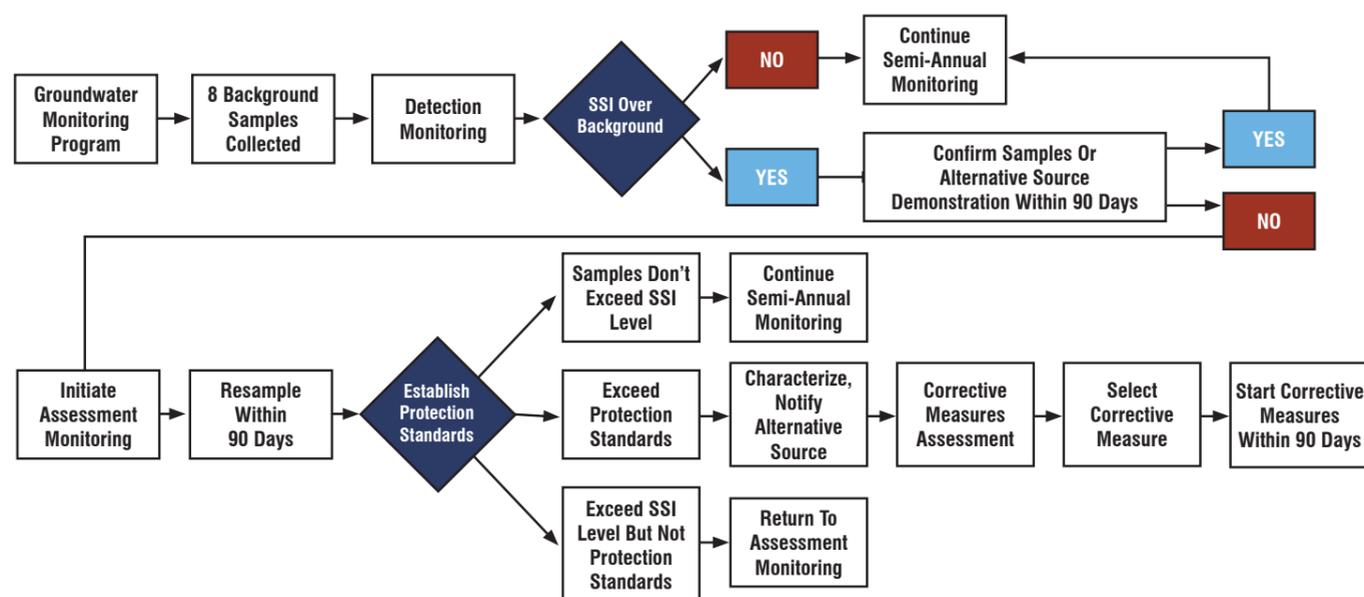


Dam safety

- FEMA LOMR support
- Structural stability analyses
- Hydrologic/hydraulics
- Hazard assessments
- Inspections/monitoring
- GIS-based inundation mapping
- Emergency action plans
- Design and permitting
 - › New dams
 - › Modifications/improvements
- Local, state and federal regulatory issues



Groundwater Monitoring and Corrective Action CFR 257.90 - 257.98



Groundwater

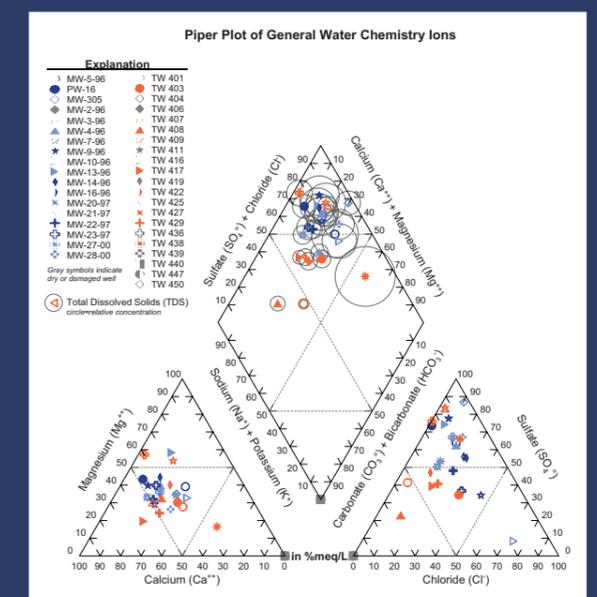
- Assessments
- Impact studies
- Modeling
- Remediation
- Monitoring

Environmental concerns

- Background Studies
- Wetlands/NEPA studies

Strategic planning

- Waste
 - › Beneficial use
 - › Disposal
 - › Operation
 - › Closure
 - › Alternatives
- Water supplies
- New facilities
- Recordkeeping
- Public information – websites



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With offices nationwide, we've successfully completed multiple projects in all 50 states, and we provide international consulting. We've provided engineering services in more than 50 countries, on all seven continents.

Our employee-owners are ready to put their experience and know-how to work for clients worldwide. We specialize in serving the following market sectors:

- Power
- Industry
- Infrastructure
- Railway
- Aviation
- Government



Progress requires more than experience. You need a trusted adviser on your team, one who looks out for you and anticipates your needs.

Your challenges demand innovative solutions. Hanson isn't just responsive — we're dedicated to solving problems and building a better world.

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