



Atlas Inspection Technologies Case Study

Case Study: Drain Line Inspections at Dam

Company: Dam Operator

Location: Earthen Hydro Dam on major US river: Multiple locations

Scope of Project: Inspect 13,000 linear feet of drain pipe for structural and maintenance defects. Pipes range from 6" to 36" internal diameter and located along embankment, toe, and abutments of dam.

Key Points:

- Project completed without safety or environmental incident
- Project completed on budget and ahead of schedule
- Involved three Atlas Inspection Technologies personnel on-site

Special Considerations/Challenges:

- Confined Space Entry required for some inspections in order to gain access
- Some of the assets were 60 years old and had never been cleaned or inspected before
- Some manholes extremely deep (over 45' deep) and necessitated off-road driving to access
- Significant settled deposits of clay and silt were discovered, creating some traction and deployment issues for remote equipment
- Over 2,500 still pictures and over 24 hours of DVD video captured. Data was organized into graphical and tabular reports with pictures/images for easy analysis

Equipment Used: IBAK KRA65 Pipe Crawler, Orion Camera, BK Controller, KT180 Cable drum

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