

RESUME

Myron B. Petrovsky, P.E.

Associate

Senior Dam Safety Engineer

Education: M.S. Civil Engineering - Polytechnic Institute, St. Petersburg (Russia)
Ph.D. Candidate Dam Engineering – National Hydraulic Institute, St. Petersburg (Russia)

Experience: 30 years of broad experience and knowledge in dam, water resources, and hydroelectric engineering for power generation, water supply, flood control, irrigation, navigation and recreational projects. Areas of expertise include:

- Dam Inspection/Operations/Maintenance – state and FERC Part 12 inspections, annual, maintenance, special and emergency inspections, PFMA, supporting technical information documents, monitoring instrumentation programs, operation and maintenance manuals, and emergency action plans.
- Geotechnical Engineering - site assessment, subsurface investigations, materials testing, earth embankments, geo-synthetics, roller compacted concrete, soil/rock pre-stressed anchors, monitoring instrumentation.
- Hydrology and Hydraulics - river and watershed hydrology, inflow design flood and dam failure analysis, inundation mapping, spillway hydraulics and adequacy, outlets, conduits and stilling basins.
- Structural Engineering – stability analysis of concrete, masonry, and timbercrib dams, structural design of spillways, retaining walls, gates, trashracks, fishways, flashboards and stoplogs.
- Rehabilitation Engineering – modification, stabilization, and replacement of existing facilities, dam crest raising, overlays, embankment protective covers, spillway expansion, fuse plugs, seepage control, drainage systems, and gates.
- Design – conceptual, preliminary and final designs, alternatives studies, project layout, sizing, spillway and gate studies, design drawings, specifications, contract documents and permitting.
- Construction Management – river diversion, cofferdams, excavation, dewatering, review of vendor's and contractor's submittals, revision of design plans, change order review, QA/QC, design and specification compliance, construction monitoring and supervision, progress reports, and requisition review.