



APPLIED ANALYSIS CORP.

AST EXPERIENCE

Full AST Implementation Project Experience

Plant	Type	Accidents Analyzed	χ /Q Analysis	Pool pH Analysis	Notes	NRC Approval
Duane Arnold	BWR	LOCA, MSLB, CRDA, FHA	Yes, PAVAN & ARCON96	Yes	Developed in conjunction with Extended Power Uprate	Yes
Brunswick	BWR	LOCA, MSLB, CRDA, FHA	Yes, PAVAN & ARCON96	Yes	Developed in conjunction with Extended Power Uprate	Yes
River Bend	BWR	MSLB, CRDA, FHA	No	Yes	Also review of client's LOCA analysis.	Yes
H B Robinson	PWR	LOCA, MSLB, SGTR, Locked Rotor, RCCA Withdrawal, WGDTRupture, FHA	Yes, ARCON96	N/A	Developed in conjunction with Appendix K Power Uprate. Also LOCA updates and pH calculations for sump buffer modification project.	Yes
Monticello	BWR	LOCA, MSLB, CRDA, FHA	Yes, PAVAN & ARCON96	Yes	Developed in conjunction with Extended Power Uprate	Yes

Additional AST Project Experience

Plant	Type	Accidents Analyzed	χ /Q Analysis	Pool pH Analysis	Notes
Korea Power Engineering Co.	PWR	AST Analysis Consulting	N/A	N/A	Provided consulting in the preparation of PWR AST analysis calculations
Fermi 2	BWR	LOCA	Yes, PAVAN & ARCON96	No	Third party review of AST LOCA analyses.
Susquehanna	BWR	LOCA, MSLB, CRDA, FHA	No	No	Preliminary calculations
Cooper	BWR	LOCA	No	No	Provided Condenser Iodine Removal Models

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