

SEQUOYAH 1 & 2

ITS Conversion and Implementation

Case Study

Client (Plant)	Period of Performance	Brief Description of Project
Sequoyah ITS 1/2	2012-2016	Full scope conversion and implementation of Improved Technical Specifications (ITS)
Problem/Issue		Action Taken
License has Technical Specifications that do not align with the safety analysts and do not provide the greatest level of operational flexibility and performance while providing for the focus on safety.		EXCEL developed an Action Plan for the development, licensing and implementation of the Improved Technical Specifications (ITS)
Solution		
EXCEL developed the Project Plan and managed the project, researched the licensing and design basis and wrote the plant specific ITS, took the ITS through plant technical discipline review and approval, submitted documents to NRC and provided for response and revision to enable regulatory review, approval and safety evaluation, developed all programs and procedures and too them site review and approval, and developed and delivered training for the operations to ensure they could understand and implement the changes and pass all NRC exams, oral and simulator and developed and managed the successful implementation site wide		
Benefits to the Client		
The results included:		
<ol style="list-style-type: none"> 1. Improved understanding by site and NRC regional, resident and headquarters personnel 2. Extended Completion Times 3. Extended Surveillance Intervals 4. Allowed more operational flexibility 5. Relocated non-safety related requirements and information 6. Improved capacity factor significantly 7. Improved breaker to breaker runs 		
Lessons that might apply to other clients		
All clients that have implemented ITS can benefit from ITS Upgrades that allow for one License Amendment Request (LAR) to adopt all improvements not included in the initial ITS Conversion and for the clients that have not performed ITS Conversion, all the above benefits of ITS can be attained by ITS Conversion		
Feedback from Client		
The Client advised the project was immensely successful and the entire cost of the ITS Conversion was recovered within 2 years of implementation		