



# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO.: 20-01620-004 <sup>01402.591</sup> ~~004~~ 8/14/02 REPORT NO.: 2002-12 PAGE 1 OF 1

**SURVEILLANCE SCOPE:** Surveillance Activities on Container Life and Source Term Technical Assistance

**REFERENCE DOCUMENTS:** Quality Assurance Procedure QAP-002, Review of CNWRA Documents, Reports, and Papers; Quality Assurance Procedure QAP-004, Surveillance Control; Quality Assurance Procedure QAP-013, Quality Planning

**STARTING DATE:** May 1, 2002 **ENDING DATE:** May 23, 2002  
**QA REPRESENTATIVE:** Mark R. Ehnstrom *(Signature)*

**PERSONS CONDUCTING TEST/EXAM/ACTIVITY:** Gustavo Cragnolino, V.J. Jain, Sean Brossia, and Darrel Dunn

**SATISFACTORY FINDINGS:**  
Discussions were held on May 1-2, 2002, and on May 15, 2002 with Drs. Cragnolino, Brossia, and Mr. Dunn concerning activities related to the Container Life and Source Term (CLST) Key Technical Issue (KTI). The Quality Requirements Application Matrix was reviewed prior to the surveillance. Software used in CLST activities included OLI Software ESP Version 6.5 and CSP Version 2.2. Each of these programs is under quality program controls. During the time of this surveillance the validation test plan for both ESP and CSP was going through the review process. CLST personnel are not utilizing the services of any consultants or subcontractors. They are, however, using personnel from another Southwest Research Institute™ (SwRI) division. V. Atron and J. Sievert are being used to perform corrosion testing in support of CLST Professional Personnel Qualification files were reviewed for these two individuals with no comment. No quality affecting outside purchases the have been made. Material currently under test had been purchased in preceding years, had been verified with confirmatory analysis, and had been reviewed as part of the surveillance program in the past. A set of metal samples were received from the Department of Energy and the receiving inspection for these samples is contained on Surveillance Report No. 2002-02. No equipment has been purchased requiring any type or form of specialized calibrations. Calibration of the load cell is performed by SwRI Division 18 employees. Two abstracts titled, Lifetime Prediction of High-Level Radioactive Waste Containers Affected by Corrosion (Q20011026003) and Life Prediction of Container Materials for High-Level Nuclear Waste Repository (Q200204080024) were reviewed for compliance to the quality document review system. Both were easily retrievable from the Quality Records Room and had received the proper reviews.

**UNSATISFACTORY FINDINGS:** None  
**NONCONFORMANCE REPORT NO.:** None

**ATTACHMENTS:** None

**RECOMMENDATIONS/ACTIONS:** None

**APPROVED:** *(Signature)*  
CENTER DIRECTOR OF QUALITY ASSURANCE  
**DATE:** 5/30/2002

**DISTRIBUTION:**  
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