



**Southwest Research Institute®
Surveillance Report**



IDENTIFICATION		
Submitted By: Hawkins, Frederick W	Date: 23-APR-10	Report Number: 2010-SR-0115
Division: 20 – GEOSCIENCES & ENGINEERING 01.50: CORR. SCI. & PROC. ENGR.		Project Number: 14002.01.021
Quality Program: GED (20) QAM		
Associated Report: N/A		
Surveillance Scope: Materials laboratory activities for projects managed by the Corrosion Science and Process Engineering (CSPE) group.		
References: QAP-001, Scientific Notebook Control QAP-019, Control of Measuring and Test Equipment		
Starting Date: 15-APR-10		Ending Date: 23-APR-10
Person(s) Conducting Test/Exam/Procedure: Hundal Jung		
Satisfactory Findings: One laboratory activity was being conducted by the CSPE group in the Building 57 materials laboratory at the time of this surveillance and served as the focus of this review: Corrosion testing of Alloy 22 under dripping water conditions for Project 20.14002.01.351. Scientific Notebook Control: The scientific notebook being used for this activity, # 899, met the requirements of QAP-001, including initial and in-process entries, signatures, and formatting for hard-copy notebooks. Control of Measuring and Test Equipment: The calibration label on the balance used for this lab activity, Serial Number 12809099, as well as labels on additional pieces of M&TE stationed within the same lab, were reviewed and found to be up-to-date.		
Unsatisfactory Findings: A Gordon thermocouple, SN A472E16, AN 015138, was found with an over-due calibration sticker (Cal. Due 10/31/09) in Lab Room L113 of Building 57. The thermocouple was subsequently sent to the SwRI Calibration Lab for calibration. It could not be found when recalled for its scheduled calibration.		
Recommendations/Actions: A recommendation was made that the ASTM testing method employed during this activity (ASTM G-103, Standard Practice for Preparing, Cleaning, and Evaluating Corrosion Test Specimens) be referenced in an appropriate location within the scientific notebook. This recommendation was completed during the surveillance by the PI.		
Equipment Calibration: See Satisfactory and Unsatisfactory Findings.		
SwRI cc: Axler, Keith M (20), Bannon, Donald R. (20), Brient, Robert D. (20), Chiang, Kuang-Tsan K (20), He, Xihua (20), Mohanty, Sitakanta (20), Patrick, Wesley C. (20), Sagar, Budhi (20)		
APPROVALS		
Management Approval: Axler, Keith M	Date: 23-APR-10	
QA Approval: Brient, Robert D.	Date: 23-APR-10	