



**GEOSCIENCES AND ENGINEERING DIVISION
QUALITY ASSURANCE
SURVEILLANCE REPORT**

PROJECT NOs: 06002.01.332,
334, 342

REPORT No.: 2006-23

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SURVEILLANCE SCOPE:

MGFE Activities, including Preclosure Safety (PS) and
Mechanical Disruption of Engineered Barriers (MDEB)

REFERENCE DOCUMENTS: None

START DATE: 11/27/06

END DATE: 11/29/06

QA REPRESENTATIVE:
Mike Simpson

PERSONS CONDUCTING ACTIVITY (persons contacted):

A. Chowdhury (Manager) and Principal Investigators (PIs) J. Stamatakos, B. Dasgupta, T. Wilt,
G. Adams, A. Simpkins, and L. Ibarra

SATISFACTORY FINDINGS (overall discussion):

MGFE work is at a significant scheduling juncture. A round of major deliverables, meetings, and reporting activities has recently been concluded. The only current work from the previous cycle is the incorporation of NRC comments (and further refinement) into three previously submitted MDEB reports. The next round of work is just now getting underway, with no documentation or other results yet available for review. Literature review and other information gathering is the main activity. A Software Development Plan and Software Requirements Description for the next version of the PCSA Tool are being prepared. The recent Operations Plan development (including updated and approved QRAMs) and NRC Annual Program Review presentations provided detailed and up-to-date descriptions of all recently concluded MGFE work and planned upcoming work. All documented and presented information is still current at this time.

Discussions with most MGFE PIs were held. Again, no details beyond those in the Ops Plan and NRC Review presentations were offered. No new personnel have been assigned to MGFE work since the last surveillance (although some recruitment for new staff is underway) so a review of qualifications, training, and conflict of interest (COI) was not necessary. No scientific notebooks, software, measuring and test equipment (M&TE), samples, or chemical reagents are currently in use. No new calculations have been recently performed.

Regarding the Recommendation in the previous MGFE surveillance report; ANSYS, v10.0 and LS-Dyna 970 are now under TOP-18 control.

Based on these discussions and given the current state of work in this area, this surveillance concludes that MGFE activities are fully satisfactory.

UNSATISFACTORY FINDINGS: None

NCR NO.: None

CAR NO.: None

ATTACHMENTS: None

RECOMMENDATIONS/ACTIONS: None

APPROVED: PO/Smith

DATE: 11/29/2004

DISTRIBUTION:
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