

# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

## NONCONFORMANCE REPORT

Project No. 20.06002.111

NCR No. 2003-12

### PART 1: DESCRIPTION OF NONCONFORMANCE

The GENII code was identified by the developer as having several errors (i.e., bugs) in certain portions of the code. GENII is used (partially) in TPA, so errors in GENII could adversely affect TPA results.

Initiated by: R. Brient *R.B.*

Date: June 23, 2003

### PART 2: PROPOSED DISPOSITION AND CORRECTIVE ACTION

To: Pat LaPlante

Disposition: Accept as is

**Basis of Disposition:** The GENII code contains about 5 executable pieces of software. We have included 2 of them in TPA. The way we have implemented these executables in TPA it would be difficult (tho not impossible) for a user to exercise the portion of the code that contains the "bug" however such tinkering is outside the intended use. We have not included these portions of the GENII code in a manner (nor did we ever intend to) so that all the various "features/options" will work in TPA...we only implement and test those functions that we are using for the YM calculations (a very limited subset of what GENII can do)...and again, those calculations do not involve that limited combination of features that contain the bug (i.e., acute smoke stack releases with export of crops etc).

**Action to Correct Nonconformance:** None is necessary.

Target date for completion: June 23, 2003

Proposed by: Pat LaPlante

Date: Jun 23, 2003

### PART 3: APPROVAL

Element Manager: *Andon Wilhite* Date: *6/23/2003*

Director of QA: *Spencer Malabris* Date: *6/23/2003*  
Comments/Instructions:

### PART 4: CLOSE OUT

Comments:

*No verification needed*

Verified by: *R. Brient*

Date: *6/23/03*

Distribution:

QA Records Room Copy

Element Managers

B. Sagar, ~~H. Garcia~~ *P. Macaris*

M. Ehnstrom/30

B. Mabrito

*R. Brient*

*OK - 6/23/2003*