



CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO: 20-1402-171	REPORT NO: 2002-01	PAGE _1_ OF _1_
SURVEILLANCE SCOPE: Development	and control of software	•
REFERENCE DOCUMENTS: TOP-018,	Development and Control of Scientific and E	ingineering Software
STARTING DATE: December 17, 2001	Many Feel ENDING	3 DATE: January 18, 2002
QA REPRESENTATIVE: R. Folck/B. Ma	•	
PERSONS CONDUCTING TEST/EXA Lozano, D. Stead, B. Winfrey, D. Farrell, C. Ma		
SATISFACTORY FINDINGS:		
Reviewed to varying degree, development and/ CNWRA codes:	or testing activities and associated document	ation for the following acquired or developed
Crystal Ball 2000, Version 5.1	Olympus, Version 1.0	
TPA Version 4.1.j Abaques, Version 6.1	PCSA Tools, Version 1.0,Pest, Version アカン 気	- 1/A /zone
Earth Vision 5.1	• Child.X, Version 780	Ben 1/18/200
NRC-WVDP-GIS, Version 1.0		7
Documentation and activities reviewed were for	and to comply with TOP-018 requirements.	
UNSATISFACTORY FINDINGS:		
One discrepancy corrected during the course of performed without a Software Development Plant		
NONCONFORMANCE REPORT NO:	None	
ATTACHMENTS: None		
RECOMMENDATIONS/ACTIONS: • For the PCSA Tool consider updating SVTP and SVTR	the Software Development Plan to address	Beta2, risk issues, and development of

- Consider performing an audit of the software development organization for acquired software if the organization has a quality assurance program and the cost of the audit is determined to be less expensive than doing software validation in-house.
- Maintain interim changes to the Software Development Plan in software development files until a sufficient number of changes are accumulated to warrant a change to the Software Development Plan.

APPROVE	Sum Malas
	CENTER DIRECTOR OF QUALITY ASSURANCE
DATE:	1/18/2002

DISTRIBUTION:

ORIGINAL -

CENTER QA DIRECTOR / QA Records ORIGINATOR - R. Folck PRINCIPAL INVESTIGATORS (above) **ELEMENT MANAGERS** B. Sagar, H. Garcia, M. Ehnstrom