
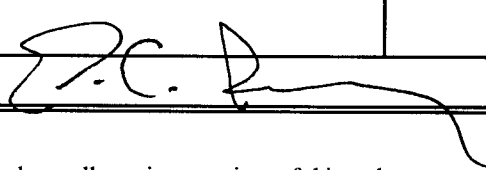


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SOFTWARE RELEASE NOTICE

01. SRN Number: GHGC-SRN-176		
02. Project Title: Uranium Recovery		Project No.: 20-1402-041
03. SRN Title: PORFLOW VERSION 4.0		
04. Originator/Requestor: A. Armstrong		Date: 11/25/98
05. Summary of Actions		
<input checked="" type="checkbox"/> Release of new software <input type="checkbox"/> Release of modified software: <input type="checkbox"/> Enhancements made <input type="checkbox"/> Corrections made <input type="checkbox"/> Change of access software <input checked="" type="checkbox"/> Software Retirement		
 12/5/2001		
06. Persons Authorized Access		
Name	Read Only/Read-Write	A/C/D
A. Armstrong	RO	A
R. Fedors	RO	A
P. Mackin	RO	A
B. Sagar	RO	A
07. Element Manager Approval: 		Date: 11/25/98
08. Remarks: PORFLOW Version 4.0 replaces all previous versions of this code.  NOTE: This is acquired software.		

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SOFTWARE SUMMARY FORM

01. Summary Date: 09/25/98		02. Summary prepared by (Name and phone): Amit Armstrong (210) 522-5182		03. Summary Action: NEW	
04. Software Date: 09/25/98		05. Short Title: PORFLOW			
06. Software Title: PORFLOW Version 4.0				07. Internal Software ID: NONE	
08. Software Type: <input type="checkbox"/> Automated Data System <input checked="" type="checkbox"/> Computer Program <input type="checkbox"/> Subroutine/Module		09. Processing Mode: <input type="checkbox"/> Interactive <input type="checkbox"/> Batch <input checked="" type="checkbox"/> Combination		10. Application Area: a. General: <input checked="" type="checkbox"/> Scientific/Engineering <input type="checkbox"/> Auxiliary Analyses <input type="checkbox"/> Total System PA <input type="checkbox"/> Subsystem PA <input type="checkbox"/> Other b. Specific:	
11. Submitting Organization and Address:  CNWRA/SwRI 6220 Culebra Road San Antonio, TX 78228			12. Technical Contact(s) and Phone:  Amit Armstrong (210) 522-5182		
13. Software Application:					
14. Computer Platform: PC		15. Computer Operating System: Win/NT		16. Programming Language(s): FORTRAN	
17. Number of Source Program Statements: N/A		18. Computer Memory Requirements: Problem Dependent		19. Tape Drives: N/A	
20. Disk Units: 10Mb		21. Graphics: SVGA/Win NT			
22. Other Operational Requirements: NONE					
23. Software Availability: <input checked="" type="checkbox"/> Available <input type="checkbox"/> Limited <input type="checkbox"/> In-House ONLY			24. Documentation Availability: <input checked="" type="checkbox"/> Available <input type="checkbox"/> Preliminary <input type="checkbox"/> In-House ONLY		
25. <i>Developer: Not developed at The CNWRA; acquired code. See 11/25/98</i>					
Software Custodian:			Date:		

*CNWRA: Susan Mahoney  
11/25/98*

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**Date:** 11/25/98  
**Sender:** Amit Armstrong  
**To:** Bruce Mabrito, English Percy, David Farrell  
**Priority:** Urgent  
Receipt requested  
**Subject:** PORFLOW/GMS Installation Testing and SRN

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**From the Desk of Amit Armstrong**

Bruce:

Purchasing just informed me that we finally have the license for the PORFLOW now. Therefore, I am sending you the results of installation testing and SRN form for your approval. The technical report using this software will go in review on Monday. Also, David Farrell has finished the installation testing and SRN stuff for the GMS (which includes the MODFLOW and MT3D codes). These codes are also used in this report. David or I will provide you this information later today.

I will be coming in late, as I am still not feeling well. Please arrange with English to sign off on the SRN so that it is all kosher before the report goes out for review.

I will appreciate your immediate attention to this.

Thanks,

Amit Armstrong  
Research Engineer  
Geohydrology and Geochemistry Element  
Center for Nuclear Waste Regulatory Analyses  
Southwest Research Institute  
6220 Culebra Road  
San Antonio, TX 78238  
Phone: (210) 522-5182  
Fax: (210) 522-5155  
e-mail: aarmstrong@swri.org

# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

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## MEMORANDUM

September 25, 1998

TO: Bruce Mabrito, Director, Quality Assurance  
FROM: Amit Armstrong *Aa*  
SUBJECT: Installation of PORFLOW Version 4.0

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The PORFLOW software was received via email from ACRI. The PORFLOW version 4.0 is installed on hydra.cnwra.swri.edu in d:/porflow directory. This software is designed to run on a PC with Windows NT operating system. The installation was successfully completed.

An installation test was performed using installation testing dataset provided by ACRI. The results of the test problem were similar to the one distributed with the software. A description of test problem is provided in the d:/porflow/pordemo.dat file. The results from two selected test problems are attached with this memo for your records. The output of complete test case run is located in d:/porflow/pordemol.out file. I am also providing you a copy of these files on a diskette for your records.

A sample copy of the user manual describing the general nature of the software is also being provided for your records alongwith an electronic copy of the complete manual on a diskette. Also a copy of the original zip files, as received from the ACRI, is also provided for your records. The zip files are password protected (armstrong).

If I can provide you any additional information. please do not hesitate to contact me at ext. 5182.

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