



EARTH SCIENCES  
NUCLEAR WASTE

FILE

---

To: Greg Carlisle, M&O YMP Software Configuration Secretariat  
Cc: Steven Splawn and Betty Hodgson, M&O YMP Software Configuration Management; Nancy Aden-Gleason, and Randy Hedegaard, YMP-LBNL; Jean Younker, YMP-M&O  
From: Bo Bodvarsson, YMP-LBNL Project Manager  
Date: 14 July, 2000  
Subject: Submission of Media with Known Proprietary/Copyright Issues

---

Lawrence Berkeley National Lab (LBNL) is submitting the accompanying Software Media to the M&O Office of Software Configuration Management (SCM) with the understanding that the software will be archived only and will not be used, copied or distributed without written consent of the owners of the proprietary software. The attached "Proprietary Restrictions Spreadsheet" provides the specific details concerning the proprietary restrictions and individuals or agencies that must be contacted prior to use. This approach is based on the guidance provided by the M&O Software Configuration Management in their June 13, 2000 memorandum to LBNL (see attached).

Included are CDROMs containing media for baselining activities (see table below for enclosures). The CDROMs have been labeled with the name and version number of the software, the software media number (SMN), the computer platform and operating system, license issues, and LBNL as the primary developing organization.

A list of files included on each CDROM is also attached which lists each file name, size, date and time. Please verify the integrity of the transferred files and notify LBNL of the results. Please note the method(s) of verification: A) File Opens; B) Visual check of file format; C) Random checks of data content; D) Checksums; or E) Use of other utilities for file verification.

If there are any questions, please call Randy Hedegaard, (510) 486-6517, YMP-LBNL.

Sincerely,

Bo Bodvarsson  
YMP-LBNL Project Manager

**PRELIMINARY DRAFT  
INFORMATION ONLY**

Encl.

1. Proprietary Restrictions Spreadsheet
2. 13 June, 2000 proprietary software guidance memorandum from M&O SCM to LBNL
3. File listings for all enclosed CDROMs
4. CDROMs and Software Documentation as applicable (see table below for contents)

**Media and Documentation included in this package:**

	<b>Name/Version</b>	<b>STN</b>	<b>Platform</b>	<b>Enclosed</b>
1	TOUGH2 V1.11MEOS9NTV1.0	10065-1.11MEOS9NTV1.0-00	MAC, PC and SUN/DEC	<b>Initial Documentation and Media</b>
2	TOUGHREACT V2.2	10154-2.2-00	SUN, DEC	<b>Initial Documentation and Media</b>



TRW Environmental  
Safety Systems Inc.

1211 Town Center Drive  
Las Vegas, NV 89144  
702.295.5400

June 13, 2000

Berkeley National Laboratory  
Yucca Mountain Project

Subject: Software Controlled by YMP Software Configuration  
Management

To: G. S. Bodvarsson, N. Aden-Gleason

The M&O Office of Software Configuration Management (SCM) acknowledges that proprietary or licensed software codes are submitted to SCM, for records purposes, in accordance with the QARD and AP-SI.1Q. To prevent the unauthorized release of software code, a memo must accompany the software media when the software is released to SCM. The memo must describe specific details concerning the proprietary restrictions and individuals or agencies that must be contacted.

SCM assures the prevention of unauthorized use of software code by coordinating the release with the identified personnel or agency, as described in the memo accompanying the software.

Steve Splawn, Manager  
M&O Software Configuration Management

bh/SBS  
cc: SCM file

# ToughReact 2.2

file-list.txt

```
total 1
drwxrwxr-x 2 randyh      512 May  4 12:23 SUN-&-DEC
-r      -r-- 1 randyh      0 Jun  1 17:52 file-list.txt

SUN  x-DEC:
t:      10107
-r.  _wxr-x 1 randyh      2134 May  4 12:23 readme.txt
-rwxrwxr-x 1 randyh 10331656 Mar 31 13:00 treat22.tar.gz
```

to LV SCM on 7/14/00  
RFH

Proprietary Restrictions Spreadsheet

Name/Version	STN	Nuclear Waste Fund (NWF) or other source of funding	Proprietary Notes	Proprietary Issue*	Proprietary Contact (as applicable)
AMESH V1.0	10045-1.0-00	NWF	PERMITTED: YMP-CS Use Permitted under Gvt Use License	1	NA
CART V1.0	10046-1.0-00	non-NWF (preexisting software developed at LBNL)	PERMITTED: YMP-CS Use Permitted under Gvt Use License	1	NA
DCPT V1.0	10078-1.0-00	NWF	PERMITTED: YMP-CS Use Permitted under Gvt Use License	1	NA
EARTHVISION-2 V4.0	30035-2 V4.0	NWF	RESTRICTED: YMP-CS Use Prohibited unless YMP-CS acquires a license from vendor (license agreement attached)	3	Betty Romine, Legal Dept. Dynamic Graphics, Inc. 1015 Atlantic AV, Alameda, CA 94501 (510) 522-0700
EXT V1.0	10047-1.0-00	NWF	PERMITTED: YMP-CS Use Permitted under Gvt Use License	1	NA
EXT V1.0_MEOS9	10227-1.0MEOS9-00	"	"	"	"
EXT V1.1	10005-1.1-00	"	"	"	"
FOCUS3D V4.1	10051-4.1-00	non-NWF (preexisting software acquired by ESD/CCS)	RESTRICTED: YMP-CS Use Prohibited unless YMP-CS acquires a license from vendor (one seat hardware-keyed license)	3	Paradigm Geophysical (formerly CogniSeis) 1200 Smith ST, STE. 2100, Houston, TX 77002 (800) 888-3273;(713) 393-4800 Fax: (713) 393-4801 Email: info@paradimgeo.com
FRACTL V1.0	10191-1.0-00	NWF	PERMITTED: YMP-CS Use Permitted under Gvt Use License	1	NA
GRAV V1.0	10048-1.0-00	non-NWF (preexisting software developed at UCB under NSF funding & LBNL)	PERMITTED: YMP-CS Use Permitted under Gvt Use License	1	NA
GSLIB V1.0MGAMV2V1.201	10087-1.0MGAMV2V1.201-00	non-NWF (preexisting proprietary software)	PERMITTED: YMP-CS Use Permitted under Gslib License (license agreement attached)	2	NA
GSLIB V1.0MLUSIMV1.201	10123-1.0MLUSIMV1.201-00	"	"	"	"
GSLIB V1.0MSISIMV1.203	10001-1.0MSISIMV1.203-00	"	"	"	"
GSLIB V2.0MLUSIMV2.0	10052-2.0MLUSIMV2.0-00	"	"	"	"

Proprietary Restrictions Spreadsheet

Name/Version	STN	Nuclear Waste Fund (NWF) or other source of funding	Proprietary Notes	Proprietary Issue*	Proprietary Contact (as applicable)
GSLIB V2.0MSISIMV2.0	10098-2.0MSISIMV2.0-00	"	"	"	"
INFIL2GRID V1.6	10077-1.6-00	NWF	PERMITTED: YMP-CS Use Permitted under Gvt Use License	1	NA
ITOUGH2 V3.2	10054-3.2-00	NWF + DOE Renewables + Swiss NAGRA (National Cooperative for the Disposal of Radioactive Waste) (+41 56 437 1111 or +41 56 437 1289; Dr. Stratis Vomvoris)	RESTRICTED: YMP-CS Use Prohibited unless YMP-CS acquires a license from vendor. Uses proprietary Harwell subroutine MA28, a linear equation solver (license agreement attached)	4	DOE ESTSC (as part of TOUGH) or The Harwell Subroutine Library Liaison Officer Building 8.9, Harwell Laboratory Didcot, Oxon OX11 0RA, United Kingdom Telephone: +44 (0)1235 463797 Facsimile: +44 (0)1235 463649 Email: hsl@aeat.co.uk
ITOUGH2 V3.2_DRIFT	10055-3.2_DRIFT-00	"	"	"	"
ITOUGH2 V4.0	10003-4.0-00	"	"	"	"
SEISLINK V3.2	10056-3.2-00	non-NWF (preexisting software acquired by ESD/CCS)	RESTRICTED: YMP-CS Use Prohibited unless YMP-CS acquires a license from vendor.	3	Western Atlas Logging Services 10201 Westheimer Houston, Texas 77042 (713) 972-6936; Fax: (713)972-4808
SOLVEQ/CHILLER V1.0	10057-1.0-00	non-NWF (preexisting software associated with co-author in ESD)	RESTRICTED: YMP-CS Use Prohibited unless YMP-CS acquires a license from vendor. License holder at U of Oregon. (no license agreement available)	4	Prof. Mark H. Reed Department of Geological Sciences 1272 University of Oregon Eugene, OR 97403-1272 (541) 346-5587 mhreed@oregon.uoregon.edu
SUPCRT92 V1.0	10058-1.0-00	non-NWF (preexisting software at ESD from UCB)	RESTRICTED: YMP-CS Use Prohibited unless YMP-CS acquires a license from vendor. Code was developed at UCB and code author at LLNL must be contacted prior to use (no license agreement available)	4	James W. Johnson, MS L-219 Lawrence Livermore National Laboratory 7000 East Avenue Livermore, California 94550-9234 (925) 423-7352
T2R3D V1.4	10006-1.4-00	NWF	RESTRICTED: YMP-CS Use Prohibited unless YMP-CS acquires a license from vendor. Uses proprietary Waterloo subroutine WATSIT (license agreement attached)	4	Professor Peter A. Forsyth Department of Computer Science University of Waterloo Waterloo, Ontario, Canada N2L 3G1 (519) 885-1211 ext. 4415
THEMM V1.0	10049-1.0-00	non-NWF (DOE WIPP)	PERMITTED: YMP-CS Use Permitted under Gvt Use License	1	NA

Proprietary Restrictions Spreadsheet

Name/Version	STN	Nuclear Waste Fund (NWF) or other source of funding	Proprietary Notes	Proprietary Issue*	Proprietary Contact (as applicable)
TOUGH2 V1.11MEOS1.2.3.4.5	10059- 1.11MEOS1.2.3.4. 5-00	non-NWF (DOE--several programs, maintained at DOE software center at ESTSC)	RESTRICTED: YMP-CS Use Prohibited unless YMP-CS acquires a license from vendor. Uses proprietary Harwell subroutine MA28 (license agreement attached)	4	DOE ESTSC (as part of TOUGH) or The Harwell Subroutine Library Liaison Officer Building 8.9, Harwell Laboratory Didcot, Oxon OX11 0RA, United Kingdom Telephone: +44 (0)1235 463797 Facsimile: +44 (0)1235 463649 Email: hsl@aeat.co.uk
TOUGH2 V1.11MEOS7RV0.3R	10064- 1.11MEOS7RV0.3 R-00	"	"	"	"
TOUGH2 V1.11MEOS7V0.12	10063- 1.11MEOS7V0.12- 00	"	"	"	"
TOUGH2 V1.11MEOS9NTV1.0	10065- 1.11MEOS9NTV1. 0-00	"	"	"	"
TOUGH2 V1.3	10061-1.3-00	NWF	RESTRICTED: YMP-CS Use Prohibited unless YMP-CS acquires a license from vendor. Uses proprietary Waterloo subroutine WATSIT (license agreement attached)	4	Professor Peter A. Forsyth Department of Computer Science University of Waterloo Waterloo, Ontario, Canada N2L 3G1 (519) 885-1211 ext. 4415
TOUGH2 V1.3MEOS4V1.0	10062- 1.3MEOS4V1.0-00	"	"	"	"
TOUGH2 V1.4	10007-1.4-01	"	"	"	"
TOUGHREACT V1.0	10067-1.0-00	NWF	RESTRICTED: YMP-CS Use Prohibited unless YMP-CS acquires a license from vendor. Uses proprietary Harwell subroutine MA28 (license agreement attached)	4	DOE ESTSC (as part of TOUGH) or The Harwell Subroutine Library Liaison Officer Building 8.9, Harwell Laboratory Didcot, Oxon OX11 0RA, United Kingdom Telephone: +44 (0)1235 463797 Facsimile: +44 (0)1235 463649 Email: hsl@aeat.co.uk
TOUGHREACT V2.1	10042-2.1-00	"	"	"	"
TOUGHREACT V2.2	10154-2.2-00	"	"	"	"
TOUGHREACTE9 V1.0	10153-1.0-00	"	"	"	"
WINGRIDDER V1.0	10024-1.0-00	NWF	PERMITTED: YMP-CS Use Permitted under Gvt Use License	1	NA

Proprietary Restrictions Spreadsheet

Name/Version	STN	Nuclear Waste Fund (NWF) or other source of funding	Proprietary Notes	Proprietary Issue*	Proprietary Contact (as applicable)
--------------	-----	---	-------------------	--------------------	-------------------------------------

**\*Resolution Strategy of Proprietary Issues:**

1. LV-SCM use and distribution to others for purposes of YMP project permitted under US Government Use License under Department of Energy Contract No. DE-AC03-76SF00098, CLAUSE 7.2(e)(1)(iii)(E):

**NOTICE: The Government is granted for itself and others acting on its behalf a paid-up, nonexclusive, irrevocable, worldwide license in this data to reproduce, prepare derivative works, and perform publicly and display publicly. Beginning five (5) years after the date permission to assert copyright was obtained and subject to any subsequent five (5) year renewals, the Government is granted for itself and others acting on its behalf a paid-up, nonexclusive, irrevocable, worldwide license in this data to reproduce, prepare derivative works, distribute copies to the public, perform publicly and display publicly, and to permit others to do so. NEITHER THE UNITED STATES NOR THE UNITED STATES DEPARTMENT OF ENERGY, NOR ANY OF THEIR EMPLOYEES, MAKES ANY WARRANTY, EXPRESS OR IMPLIED, OR ASSUMES ANY LEGAL LIABILITY OR RESPONSIBILITY FOR THE ACCURACY, COMPLETENESS, OR USEFULNESS OF ANY INFORMATION, APPARATUS, PRODUCT, OR PROCESS DISCLOSED, OR REPRESENTS THAT ITS USE WOULD NOT INFRINGE PRIVATELY OWNED RIGHTS.**

2. LV-SCM use and distribution to others permitted under Gslib License (Gslib, Oxford Univ. Press, p326)

3. LV-SCM use and distribution to others restricted because this is proprietary software. License keys restrict LBNL's ability to copy or provide to LV-SCM. LV-SCM may contact the developers directly to obtain a copy of such codes and to acquire appropriate license rights permitting use or distribution.

4. LV-SCM use and distribution to others restricted because there are proprietary solvers embedded into LBNL-developed code. LV-SCM may contact the software vendor or developer directly to acquire appropriate license rights permitting use or distribution.