

PACKAGE ID - 000748IBMPC00 HARPHRQ

KWIC TITLE - A Geochemical Speciation Program Based on
PHREEQE

AUTHORS - Brown, P.L.
Harwell Laboratory, Didcot (United Kingdom)

Haworth, A.
Harwell Laboratory, Didcot (United Kingdom)

Sharland, S.M.
Harwell Laboratory, Didcot (United Kingdom)

Tweed, C.J
Harwell Laboratory, Didcot (United Kingdom)

LIMITATION CODE -UNL **AUDIENCE CODE** - UNL

COMPLETION DATE - 02/18/1992 **PUBLICATION DATE** - 02/18/1992

DESCRIPTION - HARPHRQ is a geochemical speciation program developed at
Harwell and based on the U.S. Geological Survey code Phreeqe.

PACKAGE CONTENTS - Media Directory; Software Abstract; User's Guide;
Media Includes Source, Executables, Libraries;

SOURCE CODE INCLUDED? - Yes

MEDIA QUANTITY - 1 3.5 Diskette

METHOD OF SOLUTION - HARPHRQ maintains all the capabilities of the
original PHREEQE, and in addition provides the following: An
option of a truncated Davies method of ionic strength correction,
the ability to fix the pH of a solution at a given value throughout
a simulation, and finite materials accounting.

COMPUTER - IBM PC

OPERATING SYSTEMS - Machine dependent

PROGRAMMING LANGUAGES - FORTRAN

SOURCE CODE AVAILABLE (Y/N) - Y

REFERENCES - P.L. Brown, A. Haworth, S.M. Sharland, and C.J. Tweed,
HARPHRQ: A Geochemical Speciation Program Based on PHREEQE -
User's Guide, February 1992.

ABSTRACT STATUS - Released screened 5/2/95.

SUBJECT CLASS CODE - RU

E S T S C
ENERGY SCIENCE & TECHNOLOGY SOFTWARE CENTER
SOFTWARE ABSTRACT

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KEYWORDS -

COMPUTER PROGRAM DOCUMENTATION
H CODES
GEOCHEMICAL SURVEYS
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WATER CHEMISTRY

EDB SUBJECT CATEGORIES -

990200 580000

SPONSOR - NEA

PACKAGE TYPE - SCREENED