

PACKAGE ID - 001099IB38600 ASDT

KWIC TITLE - Air Sparging Decision Tool

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

COMPLETION DATE - 03/27/1996 **PUBLICATION DATE** - 03/01/1996

DESCRIPTION - The Air Sparging Decision Tool is a computer decision aid to help environmental managers and field practitioners in evaluating the applicability of air sparging to a wide range of sites and for refining the operation of air sparging systems. The program provides tools for the practitioner to develop the conceptual design for an air sparging system suitable for the identified site. The Tool provides a model of the decision making process, not a detailed design of air sparging systems. The Tool will quickly and cost effectively assist the practitioner in screening for applicability of the technology at a proposed site.

PACKAGE CONTENTS - Media Directory; Software Abstract; User's Manual; Media Includes Executable Modules, Auxiliary Material;

SOURCE CODE INCLUDED? - No

MEDIA QUANTITY - 2 3.5 Diskettes

METHOD OF SOLUTION - The Air Sparging Decision Tool is a Microsoft Windows based decision tool. The software provides many help screens to assist the user. A user Tutorial is provided in the program to assist user's in its use.

COMPUTER - IBM PC 386

OPERATING SYSTEMS - Windows 31., Windows 3.11, Windows 95, or Windows NT

PROGRAMMING LANGUAGES - Microsoft C++ with Microsoft Foundation Class. Microsoft Help Compiler

SOURCE CODE AVAILABLE (Y/N) - N

UNIQUE FEATURES - This software provides extensive information on air sparging with illustrated examples of site contamination.

OTHER PROG/OPER SYS INFO - Site remediation data files are given an .spg extension. The system will install into it's own directory with a default name of sparge. Help files have a .hlp extension.

HARDWARE REQS - 386 processor with 2 megabytes of memory (4 recommended), 3.5 inch floppy drive, 10 megabytes of free hard

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HARDWARE REQS - (CONT) drive space, a mouse and 640x480 pixel display with 256 colors. Windows NT requires 12 megabytes of memory (16 recommended). Windows 95 requires 4 megabytes of memory (8 recommended). Windows compatible printer.

TIME REQUIREMENTS - A Windows literate user should be able to complete one site-specific Conceptual Geologic Model in about 2 hours.

REFERENCES - Parsons Engineering Science Inc., User's Manual for the Air Sparging Decision Tool Version 1.0, March 1996.

ABSTRACT STATUS - Submitted 6/18/96. Released screened 9/20/96

SUBJECT CLASS CODE - R

KEYWORDS -

COMPUTER PROGRAM DOCUMENTATION
A CODES
DESIGN
DECISION MAKING
COMPUTER ARCHITECTURE
FLOW RATE
HYDRAULIC CONDUCTIVITY
FLUID MECHANICS
DECONTAMINATION
SOILS
SPARGERS

EDB SUBJECT CATEGORIES -
990200 540230

SPONSOR - DOE/ER

PACKAGE TYPE - SCREENED